

Iowa EMS Patient Registry

Data Dictionary

Prepared by:



Iowa EMS Patient Registry

Table of Content

History of IEMSPR:	6
NEMESIS Explanation:	6
Data Dictionary Format:	7
NEMESIS Common Null Values:	9
EMS Dataset	10
1. Lithocode (Patient Care Report Number)	11
2. Incident Number	12
3. EMS Agency Number	13
4. EMS Unit Call Sign (EMS Unit Number)	14
5. Type of Service Requested (Dispatch Type)	15
6. Primary Role of Unit	17
7. Incident / Patient Disposition	19
8. Patient's First Name	22
9. Patient's Last Name	23
10. Date of Birth	24
11. Age	25
12. Age Units	26
13. Gender	27
14. Patient Street Address	28
15. Patient's City of Residence	29
16. Patient's State of Residence	30
17. Zip Code of Patient's Residence	31
18. Social Security Number	32
19. Race	33
20. Ethnicity	35
21. Crewmember Certification Type	36
22. Crewmember Certification Number	38
23. Crewmember Role	40
24. PSAP Call Date/Time	42
25. Unit Notified by Dispatch Date/Time	43
26. Unit Enroute Date/Time	44
27. Unit Arrived on Scene Date/Time (Arrive Scene)	45
28. Arrived at Patient Date/Time (Arrive Patient)	46
29. Unit Left Scene Date/Time (Depart Scene)	47
30. Time Arrival at Facility/Destination Date/Time (Arrive Destination)	48
31. Unit Back In Service Date/Time (Available)	49
32. Unit Back at Home Location	50
33. Incident or Onset Date / Time	51
34. Type of Dispatch Delay	52

- 35. Type of Response Delay 53
- 36. Type of Scene Delay 54
- 37. Type of Transport Delay 55
- 38. Type of Turn-around Delay 56
- 39. Response Mode to Scene (Lights or Sirens to Scene) 57
- 40. Transport Mode From Scene (Lights or sirens used from scene) 58
- 41. Incident Address 59
- 42. Incident City/County FIPS..... 60
- 43. Incident Zip Code 62
- 44. Incident GPS Location..... 63
- 45. Location Type 64
- 46. Destination Transferred To Code (Receiving Agency) 66
- 47. Destination Zip Code 68
- 48. Destination Type..... 69
- 49. Destination Determination 71
- 50. CMS Service Level (Nature of Incident) 72
- 51. Prior Aid..... 73
- 52. Prior Aid Performed By 74
- 53. Outcome of Prior Aid..... 75
- 54. Vital Signs Date/Time..... 76
- 55. Pulse Rate..... 77
- 56. Respiratory Rate..... 79
- 57. Systolic Blood Pressure 81
- 58. Diastolic Blood Pressure..... 83
- 59. Blood Pressure Method..... 85
- 60. Skin Assessment 86
- 61. Glasgow Eye Opening Component..... 87
- 62. Glasgow Verbal Component..... 89
- 63. Glasgow Motor Component..... 91
- 64. Initial Cardiac Rhythm..... 93
- 65. Final Cardiac Rhythm (at Destination) 95
- 66. Cardiac Arrest 97
- 67. Cardiac Arrest Etiology 98
- 68. Resuscitation Attempted 99
- 69. Witnessed Cardiac Arrest 100
- 70. Estimated Time of Arrest Prior to EMS Arrival 101
- 71. Time/Date Resuscitation Discontinued..... 102
- 72. Any Return of Spontaneous Circulation 103
- 73. Possible Injury (Injury Present) 104
- 74. Cause of Injury..... 106
- 75. Height of Fall 108
- 76. Intent of Injury 109
- 77. Number of Patient at Scene..... 110
- 78. Mass Casualty Incident..... 111
- 79. EMD Performed..... 112

80.	Complaint Reported by Dispatch.....	113
81.	Primary Symptom	115
82.	Other Associated Symptoms.....	117
83.	Provider Impression	119
84.	Providers Secondary Impression.....	121
85.	Chief Complaint Organ System.....	123
86.	Alcohol / Drug Use Indicators	125
87.	Injury Matrix External / Skin.....	127
88.	Injury Matrix Head	129
89.	Injury Matrix Face	130
90.	Injury Matrix Neck	131
91.	Injury Matrix Thorax	132
92.	Injury Matrix Abdomen	133
93.	Injury Matrix Spine.....	134
94.	Injury Matrix Upper Extremities	135
95.	Injury Matrix Pelvis	136
96.	Injury Matrix Lower Extremities.....	137
97.	Injury Matrix Unspecified.....	138
98.	Safety Devices	139
99.	Airbag Deployment.....	141
100.	Motor Vehicle Impact.....	142
101.	Injury Indicators	143
102.	Seat Row Location of Patient in Vehicle.....	144
103.	Position of Patient in the Seat of the Vehicle	145
104.	Procedure – Date/Time Performed.....	146
105.	Procedure – Crewmember Certification Number.....	147
106.	Procedure or Treatment Name.....	148
107.	Procedure Successful.....	151
108.	Number of Procedure Attempts.....	152
109.	Procedure Complications.....	153
110.	Procedure Authorization	155
111.	Medication – Date/Time Administered	156
112.	Medication – Crewmember Certification Number	157
113.	Medication Name	158
114.	Medication Complications.....	160
115.	Medication Authorization	162
116.	Primary Method of Payment.....	163
117.	Condition Code Number.....	164
118.	Emergency Department Disposition.....	167
119.	Hospital Disposition	168
120.	Software Creator.....	169
121.	Software Name	170
122.	Software Version.....	171
	Demographic Dataset	172

123.	EMS Agency Number	173
124.	EMS Agency State.....	174
125.	EMS Agency County.....	175
126.	Level of Service.....	176
127.	Organizational Type	177
128.	Organizational Status.....	178
129.	Statistical Year.....	179
130.	Total Service Size Area	180
131.	Total Service Area Population.....	181
132.	911 Call Volume Per Year.....	182
133.	EMS Dispatch Volume Per Year.....	183
134.	EMS Transport Volume Per Year	184
135.	EMS Patient Contact Volume Per Year	185
136.	EMS Agency Time Zone.....	186
137.	National Provider Identifier.....	187
138.	Agency Contact Zip Code	188
Appendixes		189
Appendix A		190
	EMS Agency List.....	190
Appendix B		200
	Health Facility List.....	200
Appendix C		217
	Iowa City/County FIPS	217
Appendix D		277
	Medication List	277
Appendix E		280
	Iowa County FIPS Codes	280
Appendix F		283
	State FIPS Codes	283

Iowa Electronic EMS Reporting

History of IEMSPR:

An Iowa Department of Public Health, Bureau of EMS (IDPH) data committee consisting of representatives from the IDPH, the trauma registry, and field providers created the IEMSPR dataset in 2003. Originally consisting of 97-elements the IEMSPR dataset provided data collection to the IDPH for 3 years. The IDPH early on was committed to participation in NEMSIS and developed their system during the very early years of NEMSIS conception. There was no way the IDPH could fully anticipate the final NEMSIS process as it matured over the past years. This version 2 of the IEMSPR data dictionary incorporates the NEMSIS national data elements along with some of the original data elements that the IDPH requires to provide adequate monitoring and reporting of Emergency Medical Services (EMS) activity in the State of Iowa.

NEMSIS Explanation:

In 2001 the National Association of EMS Directors in conjunction with the National Highway Traffic Safety Administration (NHTSA) and the Trauma/EMS systems program of Health Resources and Services Administration (HRSA) agreed to develop a national EMS database. From this agreement the NEMSIS project was grown. In 2003 the member states initiated a memorandum of understanding stating that they “recognized the need for EMS data collection at the national level” and agreed to abide by the assignment of “specific definitions to a set of data elements identified as desirable to be collected on a national level”. Between 2003 and 2005 the NEMSIS project developed an EMS and demographic dataset compiling them into a databook with a defined Extended Markup Language (XML) schema to facilitate transport of the data between systems. The databook consists of two datasets; the first is referred to as the demographic dataset. This dataset collects information on the submitting agency, their vehicles, personnel, stations, medical equipment, protocols and medical direction. The second is referred to as the EMS dataset and collects information on the event or patient encounter. The elements can be used to build an extensive patient care report for medical reporting purposes as well as data collection. The current databook includes over 400 data elements that are recommended to be included in an EMS data collection system and are also referred to as the Gold set. Knowing the difficulty in collecting this many elements from end users, NEMSIS has created a subset of the data elements known as “National Data Elements” also referred as the Silver set. The Silver subset consists of a total of 83 elements, 67 elements (13 mandatory) in the EMS dataset and 16 elements (8 mandatory) in the demographic dataset. NEMSIS and NHTSA require that states at minimum must collect the “National Data Elements” for submission to the national EMS database. In April of 2006 the final release of the NEMSIS databook was published and software vendor compliance testing initiated. NEMSIS and NHTSA are now requesting states to submit their data to the national EMS database.

NEMSIS is attempting to remove the difficulty for EMS software vendors in conducting business in multiple regions or states. The movement to an accepted standardized data dictionary and XML with a standardized format removes the complaints of software vendors in modifying their software between customers in different regions or states. NEMSIS offers free compliance tools and certification process for vendors to become NEMSIS compliant. These

benefits assist to eliminate the noncompliance of EMS agencies in submitting data to the IEMSPR system.

Data Dictionary Format:

Each data element is presented using the following template. The Consensus Panel considered it important to provide sufficient detail about each data element to justify its inclusion in the uniform data set, as well as to assist agencies, which seek to implement a data collection system. When a data element requires specific categories, these are listed in the data item specification ("Field Values"). The Panel recognizes that the lists, which are included in this dictionary are imperfect, but definitions of these lists have been debated for many years without resolution.

This data dictionary is not designed to provide all information and explanation of the NHTSA 2 (NEMSIS 2.2.1) datasets, XML and XSD structure. Persons interested in learning more about NEMSIS or development for NEMSIS compliance should contact NEMSIS at www.nemesis.org

This document is to be used by software developers and EMS agencies to understand the request for a data element, reference acceptable values for data elements, reference the corresponding NEMSIS data dictionary identifier number, identify the business rules associated with an element's submission, denote any variations from the original NEMSIS structure deemed necessary by the IDPH. Submitting agencies are required to be using NEMSIS Gold or Silver compliance certified software with the XSD modifications noted in this document.

Submitted XML record sets will be processed against the IEMSPR XSD for submission compliance. Submitted records with elements that fail the submission screening and are noted as 'record will be rejected' will fail that complete record's entry into the IEMSPR database. Submitted records with elements that fail the submission screening and are noted as 'will be marked as non-compliant' will allow that record's entry into the IEMSPR database. Non-compliance marking is to alert the EMS agency, the software vendor, and the IDPH of a submission that does not conform to the IDPH expected completeness or standard of an EMS record. The label of "non-compliant" is not a negative term in isolated occurrences. It is a concern when this occurs on the same element frequently or an agency has a high number of non-compliance markings. It is really meant to provide a quality assurance means to improve data collection by the end user and vendors. There is no way a system can be built that will be 100% fool proof to ensure the best data and still allow edge cases to be entered. Drawing attention to the occurrence allows all parties to evaluate the cause of the non-compliance. This will allow either the agency or software vendor to correct misconceptions on the collection of the data or the IDPH to identify that the element business rules is not valid. The IDPH will provide an XSD file for testing using the free testing software available from NEMSIS.

Definition of the Priority items:

Mandatory: These are elements that are required on all incidents. Failure to provide the mandatory element will flag the record of the incident to NOT be accepted into the IEMSPR database. Correction of the deficiency is required to properly submit the incident.

Essential: These are elements that are to be completed on incidents where they pertain as identified in the Business Rules section for the particular element. If they are missing or are

invalid the, the record will NOT be accepted by the IEMSPR database. When they do not pertain the vendor should follow XSD structure rules.

Desirable: These are elements that are strongly requested but may not be possible to collect on all incidents. If the item could have been collected based on the incident then the field would be marked 'Non-Complaint'.

#Element Number

Name of Data Element:	Name
Priority:	Mandatory or Essential or Desirable
Definition:	Short definition of data element
National Element:	Identifies if this element is part of the NEMESIS National Element (Silver) list. If noted 'modified' then Iowa has made changes to the element to provide better data collection.
NHTSA 2:	Length of data element
XML:	Specifies the NEMESIS XML format and the XSD definitions.
Field Values:	Defined data elements - alternative descriptions of the data element values or attributes.

Content: Detailed discussion of definition and content.

Discussion and Justification: Provide further details and justify the data element.

Business Rules: Provide information on the requirements for and to a data element to enforce data integrity and submission compliance.

Technical Comments: Additional information which may be of use to individuals setting up a data collection system.

NEMESIS Common Null Values:

These values are to be used in each of the Demographic and EMS Data Elements described in this document, which have been defined to accept the E00 Null Values. For any collection of data to be of value and reliably represent what was intended, a strong commitment must be made to ensure the correct documentation of incomplete data. The described data integrity method must be followed with the IEMSPR dataset. For data elements being electronically stored in a database or moved from one database to another using XML, the indicated values should be applied when a data element is empty or contains a null value.

Not Applicable: (Code -25) = At the time of an EMS patient care report documentation, information requested was “Not Applicable” to the EMS or patient event. This indicates that it is unnecessary to document mechanism or injury related information on a patient who was not traumatized

Not Available: (Code -5) = At the time of an EMS patient care report documentation, information was “Not Available” to EMS personnel. This documents that needed information did exist but the EMS personnel was unsuccessful in their attempt to obtain it.

Not Known: (Code -10) = At the time of an EMS patient care report documentation, information was “Not Known” to patient, family, and EMS personnel. This documents that there was an attempt to obtain information but it was unknown by all parties involved

Not Recorded: (Code -20) = If an EMS documentation or information system has an empty field or nothing is recorded in any data element of the NHTSA dataset, code “-20” should be inserted into the database and/or XML for that data element indicating that the EMS Patient Care Report did not have a value for that specific data element when the EMS event or patient encounter was documented.

Not Reporting: (Code -15) = If an EMS documentation or information system is not using any of the "National" data elements of the NHTSA dataset, code “-15” should be inserted into the database and/or XML for that data element.

EMS Dataset

IEMSPR Element Dictionary

1. Lithocode (Patient Care Report Number)

Name of Data Element:	Lithocode (Patient Care Report Number)
Priority:	Mandatory
Definition:	The unique number automatically assigned by the EMS agency for each patient care report (PCR). This is a unique number to the EMS agency for all of time.
National Element:	YES
NHTSA 2:	E01_01
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>PatientCareReportNumber</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 8 Maximum Constraint: 32

Content: Unique 8 digit number from series assigned to a Iowa Department of Public Health, Bureau of EMS (IDPH) approved software product from commercial vendor or in-house from EMS agency. The IDPH may approve the use of a 32 character globally unique identifier (GUID).

Discussion and Justification: The unique number automatically assigned by the EMS agency via software for each patient care report (PCR). **This is a unique number to the EMS agency for all of time.** This number must be unique within the state. Provides a specific key to a specific record. This record number will fulfill all the requirements for linkage, which have been described under incident number.

Business Rules: All records submitted must have a unique lithocode in the series assigned to the software vendor. Vendors may be granted an exception to submit a GUID in place of a lithocode series. Not Nullable. A unique value must be provided to create a unique record ID within a database. The same unique record ID must be used if the record is amended or updated and resubmitted. Records with duplicate or missing lithocodes will be rejected by the system

Technical Comments: This is the central and most important number in the prehospital portion of the EMS information system. Every incident must have a Lithocode number even if there is no patient. An incident will have multiple Lithocodes if there are multiple patients or multiple responders to single patients.

2. Incident Number

Name of Data Element:	Incident Number
Priority:	Mandatory
Definition:	The incident number assigned by the 911 Dispatch Center or local EMS agency.
National Element:	No
NHTSA 2:	E02_02
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>IncidentNumber</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint: 7 Maximum Constraint: 15

Content: This element consists of a 7-15 position alphanumeric string assigned by a local jurisdiction to each EMS related incident. Zero fill, left justified if number is small (e.g. 0000123). May use the same incident number for different patients involved in the same incident, recommend that the patients be separated by a letter or numeric identifier (i.e. 0000123A, 00001234B).

Discussion and Justification: It should be unique within an agency for a particular agency, and then by combining it with a unique agency number, it will be possible to construct another unique identifying number for the incident.

This number is valuable for linking EMS data files with other files related to the incident, such as emergency department and inpatient hospital files, if those medical files also contain this number. Accurate numbering within all available files may be facilitated by technologies such as bar codes.

Probabilistic linkage methodology is of great value when linking files that do not have numeric fields such as incident number in common. However, linkage is greatly facilitated by the presence of such a number in each of the files to be linked.

Business Rules: All records submitted must have an agency defined Incident Number for local cross-reference. Records with a missing or an invalid entry will be rejected by the system. Duplicates of this field are ignored.

Technical Comments: In some cases incident number, Lithocode number, or PSAP number may be the same.

3. EMS Agency Number

Name of Data Element:	EMS Agency Number
Priority:	Mandatory
Definition:	The state-assigned provider number of the responding agency.
National Element:	Yes
NHTSA 2:	E02_01
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>EMSAgencyNumber</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 7 Maximum Constraint: 7
Field Values:	Refer to Appendix A (EMS Agency List) for Agency Number

Content: This element consists of the State assigned agency number or affiliate number of the responding agency.

Discussion and Justification: The state-assigned provider number of the responding agency. A component of the EMS Medical Record. May be combined with other elements to build a unique identifier. Allows data to be sorted by the EMS Agency. Important for grouping and comparing EMS Agencies in Benchmarking and Quality Management . When linked to D01_02 provides the Agency name on the EMS Medical Record: Patient Care Report

Business Rules: All records submitted must have an EMS Agency Number entered. The Agency number must be from the approved agency list as published by the Iowa Department of Public Health, Bureau of EMS. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: The first 2 digits are the agency's county of origin's numerical identifier, followed by the 5 digits of the agency's IDPH permit number.

4. EMS Unit Call Sign (EMS Unit Number)

Name of Data Element:	EMS Unit Call Sign
Priority:	Mandatory
Definition:	The EMS unit number used to dispatch and communicate with the unit.
National Element:	Yes
NHTSA 2:	E02_12
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>EMSUnitCallSign</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 15

Content: This element consists of the unique number assigned by a local jurisdiction to each vehicle/unit in their fleet.

Discussion and Justification: It should be unique within an agency, and then unique within the State by combining it with the unique EMS Agency Number. Particularly valuable for local reporting, allows the generation of reports for a specific vehicle in a fleet. The unique unit number allows for future software product expansion for vehicle GPS, maintenance and maintenance systems.

Probabilistic linkage methodology is of great value when linking files that do not have numeric fields such as incident number in common. However, linkage is greatly facilitated by the presence of such a number in each of the files to be linked.

Business Rules: All records submitted must have a EMS Unit Call Sign entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: Not Nullable. A unique value must be provided to create a unique record ID within a database.

Submitted data will be verified for accuracy against the Iowa Department of Public Health, EMS Office Registry. The registry is established and maintained by the IDPH. Individual EMS agencies' unit information is regulated by NEMSIS section D04_02 and is stored in the registry.

EMS agencies will be responsible to revise and update their individual agency's NEMSIS demographic section D within the IDPH Registry.

5. Type of Service Requested (Dispatch Type)

Name of Data Element:	Type of Service Requested			
Priority:	Mandatory			
Definition:	The type of service or category of service requested of the EMS service responding for this specific EMS incident.			
National Element:	Yes			
NHTSA 2:	E02_04			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>TypeOfServiceRequested</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes			
Field Values:				
	30	911 Response (Scene)	35	Intercept
	40	Interfacility Transfer	45	Medical Transport
	50	Mutual Aid	55	Standby

Content: This is the type of service or category of service requested of the EMS agency responding for this specific EMS incident.

Discussion and Justification: Used to categorize the types of service, which are required, and allows planning of EMS resource allocation. Dispatch type is important for epidemiologists as well as EMS planners deciding where to allocate EMS resources. Provides descriptive data on EMS call volume and service provided.

Business Rules: All records submitted must have a Dispatch Type entered. Records with missing or an invalid Dispatch Type will be rejected a by the system.

Technical Comments:

30 911 Response

The incident request either originated from a Public Safety Answering Point (PSAP) or a “silent alarm” but would be considered a 911 response (public notifies in station crew of MVA in front of station).

35 Intercept / EMS Rendezvous

The incident request at time of dispatch was to provide a support service to another agency and if the patient condition warranted to assist in the transport of the patient. This would be utilized for

911 Responses as well as non-911 request for a similar service. Examples of this would be an ALS chase vehicle that is simultaneously dispatched or requested later to meet up either at the scene or enroute with a BLS unit.

40 *Interfacility Transfer*

The incident request is a transfer of a patient from one facility to another facility. . Examples include; a scheduled transfer of a patient from one hospital to another or emergent transfer of patient from one facility to another. This code should not be used for transports of the patient from their residence or extended care facility, which are coded separately.

45 *Medical Transport*

The incident request is a transfer of a patient from their residence or extended care facility to a physician, clinic, rehabilitation or other medical center.

50 *Mutual Aid*

The incident request is to lend assistance across jurisdictional boundaries when required; either by an emergency that exceeds local resources or a disaster. Awaiting further definition from NEMSIS.

55 *Standby*

The incident request is for a non-emergent response or for a response not covered in other descriptions. The origin of the dispatch does not dictate type, so PSAP dispatch for a non-emergent sporting standby would be a Support Services type. Other examples would be for a standby at a sporting event, community service for disabled individuals, and so on.

6. Primary Role of Unit

Name of Data Element:	Primary Role of the Unit			
Priority:	Mandatory			
Definition:	The primary role of the EMS service, which was requested for this specific EMS incident.			
National Element:	Yes			
NHTSA 2:	E02_05			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>PrimaryRoleOfTheUnit</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes			
Field Values:				
	60	Non-Transport	65	Rescue
	70	Supervisor	75	Transport

Content: This is a list of the general categories that should match the primary role of this vehicle during this incident.

Discussion and Justification: The primary role of the EMS service, which was requested for this specific EMS incident. Assists in differentiating the roles of several vehicles that respond to the same incident. A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted by the role of the responder. Provides descriptive data on EMS call volume and service provided

Business Rules: All records submitted must have a Primary Role entered. Records with Records with missing or an invalid Primary Role of the Unit will be rejected a by the system.

Technical Comments:

Transport

Refers to direct response to the scene and the role of the unit was for transporting the patient. Does not matter if the incident disposition or outcome did not involve a transport, just that the unit's role was to transport a patient.

Non-Transport

Refers to direct response to the scene or rendezvous where primary care is taken over, but transport is by another EMS entity. Does not matter what the incident disposition or outcome

was.

Supervisor/Assist unit

Refers to direct response to the scene by the unit as a supervisor or provide other assistance, but did not assume primary care.

Rescue

Refers to direct response to the scene by the unit to provide rescue services, but did not assume primary care.

7. Incident / Patient Disposition

Name of Data Element:	Incident / Patient Disposition		
Priority:	Mandatory		
Definition:	Type of disposition treatment and/or transport of the patient.		
National Element:	Yes		
NHTSA 2:	E20_10		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>IncidentPatientDisposition</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes		
Field Values:			
4815	Cancelled	4820	Dead at Scene
4825	No Patient Found	4830	No Treatment Required
4835	Patient Refused Care	4840	Treated and Released
4845	Treated, Transferred Care	4850	Treated, Transported by EMS
4855	Treated, Transported by Law Enforcement	4860	Treated, Transported by Private Vehicle

Content: The final disposition of the EMS responses. Type of disposition of treatment and/or transport of the patient

Discussion and Justification: Allows reports to be generated according to the final disposition of EMS responses. This will provide information about the reasons for which EMS is notified, correlated with the ultimate incident disposition. For instance, it will be of value to know that in certain regions, EMS is frequently activated to see patients who require no treatment or transport. Reports generated from this data element may be of use in coordinating the dispatch and responder functions as well.

Business Rules: All records submitted must have an Incident/Patient Disposition entered. Records with missing or an invalid entry will be rejected by the system. This field is important in that it dictates further required fields based on the selections.

Technical Comments:

Treated and transported by EMS

This code means that the EMS responder providing the data record treated and transported the patient. Transport may be to any valid destination, as defined for the destination data element. If the EMS responder transports a patient to a rendezvous point with another EMS responder (for instance, a ground crew rendezvous with a helicopter based agency), this is the correct code for this data element.

Treated, transferred care

This code means that the EMS responder provided treatment at the scene but the patient was transferred into the care of another service. The EMS responder did not provide transport in this instance. For example, if a BLS provider is at a scene and treats a patient, but a separate ALS responder arrives and takes over, the BLS record would indicate this code. If an EMS responder treats a patient who is then transported by a separate police or fire vehicle, this is the correct code for the EMS responder record.

Cancelled

This code means that the EMS response was cancelled enroute or on scene.

Patient refused care, Against Medical Advice (AMA)

Patient was at scene and refused care, whether injured or not. If the EMS responder knows that there is an injury, but the patient refuses care and is transported by friends or acquaintances, this is still the correct code for this data element

Treated, transported by private vehicle

This code means that the EMS responder provided treatment, but the patient was transported to his or her destination by a private vehicle. This includes instances in which the patient transports himself via private automobile, if the EMS responder understands that the patient is going to seek further medical care, such as at a private doctor's office or the local emergency department.

Treated and released

This code means that the EMS responder provided treatment, and the patient required no further emergency care. This is distinct from the instance in which the patient is known to be in need of further care, but is transported by him self or others to the facility providing further care

No treatment required

This code means that the EMS responder evaluated the patient, and no treatment was required. If the patient refused evaluation, or if the EMS responder did not evaluate a specific patient, this is not the correct code for this data element.

Dead at scene

This code means that the patient was pronounced dead at the scene, whether or not treatment was undertaken. If a patient is given CPR at the scene and transported to the hospital while undergoing CPR, then this is not the correct code. If a patient is given CPR and is then pronounced dead at the scene, this is the correct code.

No patient found

This code is used if a unit arrives on scene, but the responder can find no patient or there is no patient contact.

Treated, Transported by Law Enforcement

This code means that the EMS responder provided treatment, but the patient was transported to his or her destination by a law enforcement vehicle.

8. Patient's First Name

Name of Data Element:	Patient's First Name			
Priority:	Desirable			
Definition:	Patient's First (given) Name.			
National Element:	No			
NHTSA 2:	E06_02			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>FirstName</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: No Minimum Constraint: 1 Maximum Constraint: 20			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant characters

Content: If patient contact is established enter the patient's first name if known. Local policy should dictate how Last Name and First Name should be created if unknown.

Discussion and Justification: Desirable because of its value in probabilistic linkage, both as a linking variable as well as a confirmatory variable to determine appropriate linkage. Allows a patient's information to be stored and retrieved by first name. Key component of an EMS Medical Record. Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc.

It is recognized that this data element requires careful protection from misuse, but it is more appropriate to regulate appropriate use of this field rather than to prevent its collection.

Business Rules: If the patient's first name is unable to be obtained or the call does not involve a patient contact then one of the above field value codes should be entered.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

9. Patient's Last Name

Name of Data Element:	Patient's Last Name			
Priority:	Desirable			
Definition:	Patient's Last (family) Name.			
National Element:	No			
NHTSA 2:	E06_01			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>LastName</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: No Minimum Constraint: 2 Maximum Constraint: 20			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant characters

Content: If patient contact is established enter the patient's first name if known. Local policy should dictate how Last Name and First Name should be created if unknown.

Discussion and Justification: Essential because of its value in probabilistic linkage, both as a linking variable as well as a confirmatory variable to determine appropriate linkage. Allows a patient's information to be stored and retrieved by last name. Key component of an EMS Medical Record. Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc.

It is recognized that this data element requires careful protection from misuse, but it is more appropriate to regulate appropriate use of this field rather than to prevent its collection.

Business Rules: If the patient's last name is unable to be obtained or the call does not involve a patient contact then one of the above field value codes should be entered.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

10. Date of Birth

Name of Data Element:	Date of Birth
Priority:	Essential
Definition:	Patient's date of birth.
National Element:	Yes
NHTSA 2:	E06_16
XML:	XSD Data Type: <i>xs:date</i> XSD Domain (Simple Type): <i>DateOfBirth</i> Multiple Entry Configuration: No Accepts Null Values: Yes, but null value is blank or empty Required in XSD: Yes Minimum Constraint: 1,890 Maximum Constraint: 2,030

Content: Format permits sorting across multiple years, and is recommended for data export purposes. Century digits are mandatory.

Discussion and Justification: Extremely valuable for probabilistic linkage and calculation of accurate age information. Provides much more discriminatory power in probabilistic linkage than the numeric age. Key component of an EMS Medical Record. Provides important information which will allow EMS data to be sorted, grouped and evaluated by age demographics.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Date of Birth value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

11. Age

Name of Data Element:	Age
Priority:	Essential
Definition:	Patient's age or best approximation
National Element:	Yes
NHTSA 2:	E06_14
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>Age</i> Multiple Entry Configuration: No Accepts Null Values: Yes, but null value is blank or empty Required in XSD: Yes Minimum Constraint: 1 Maximum Constraint: 120

Content: Patient's age either calculated from date of birth or best approximation. Requires additional information of Age Units

Discussion and Justification: Valuable in the absence of a date of birth. Age information permits linkage to other files, and is useful for epidemiologists interested in patterns of emergency medical problems in different age groups.

Technical Comments: Age information permits linkage to other files and is useful for epidemiologists interested in patterns of emergency medical problem in different age groups.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Patient's Age submitted. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

12. Age Units

Name of Data Element:	Age Units			
Priority:	Essential			
Definition:	The units which the age is documented in as listed below.			
National Element:	Yes			
NHTSA 2:	E06_15			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>AgeUnits</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	700	Hours
	705	Days	710	Months
	715	Years		

Content: The units which the age is documented in hours, days, months or years. Requires additional information of Age.

Discussion and Justification: Valuable in the absence of a date of birth. Age information permits linkage to other files, and is useful for epidemiologists interested in patterns of emergency medical problems in different age groups. Allows data to be sorted based on age. Allows data to describe the age of the EMS patient population.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have an Age Unit submitted.

Technical Comments: Days are to be used for 1 to 30 days from birth. Months are to be used for 1 to 12 months from birth. Years are to be used for anyone over 12 months from birth.

13. Gender

Name of Data Element:	Gender		
Priority:	Essential		
Definition:	Gender of patient.		
National Element:	Yes		
NHTSA 2:	E06_11		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>Gender</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	650	Male
655	Female		

Content: The gender or sex of the patient.

Discussion and Justification: Valuable for linkage to other files, and permits reporting of epidemiological information by gender. Allows data to be sorted based on gender. Allows data to describe the gender of the EMS patient population.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Patient's Gender entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments:

-10 *Not Known*

This code should be used only when the sex of the patient cannot be accurately determined after patient contact. If no patient was encountered then the appropriate number of spaces should be submitted.

14. Patient Street Address

Name of Data Element:	Patient Street Address			
Priority:	Desirable			
Definition:	Patient's street address.			
National Element:	No			
NHTSA 2:	E06_04			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>StreetAddress</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No Minimum Constraint: 2 Maximum Constraint: 30			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant values

Content: The patient's legal residence's street address should be entered. Local jurisdiction may allow temporary or billing address to be entered.

Discussion and Justification: Essential because of its value in probabilistic linkage, both as a linking variable as well as a confirmatory variable to determine appropriate linkage. It is recognized that this data element requires careful protection from misuse, but it is more appropriate to regulate appropriate use of this field rather than to prevent its collection.

Business Rules: If Patient's Street Address is not reported, this field should be submitted with one of the appropriate field values listed.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

15. Patient's City of Residence

Name of Data Element:	Patient's City of Residence			
Priority:	Desirable			
Definition:	Patient's residence postal city (if applicable)			
National Element:	No			
NHTSA 2:	E06_05			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>City</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No Minimum Constraint: 2 Maximum Constraint: 30			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant values

Content: The patient's city of legal residence. Local jurisdiction may allow temporary or other billing city to be entered.

Discussion and Justification: Essential because of its value in probabilistic linkage, both as a linking variable as well as a confirmatory variable to determine appropriate linkage. It is recognized that this data element requires careful protection from misuse, but it is more appropriate to regulate appropriate use of this field rather than to prevent its collection.

Business Rules: If Patient's City of Residence is not reported, this field should be submitted with one of the appropriate field values listed.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

16. Patient's State of Residence

Name of Data Element:	Patient's State of Residence			
Priority:	Desirable			
Definition:	State of patient's residence (if applicable)			
National Element:	No			
NHTSA 2:	E06_07			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>State</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No Minimum Constraint: 2 Maximum Constraint: 3			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant values

Content: The patient's state of legal residence. Local jurisdiction may allow temporary or other billing state to be entered.

Discussion and Justification: Useful for determining the political entity responsible for potential public health interventions, payment for services, etc.

Business Rules: If Patient's State of Residence is not reported, this field should be submitted with one of the appropriate field values listed.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

17. Zip Code of Patient's Residence

Name of Data Element:	Zip Code of Patient's Residence			
Priority:	Essential			
Definition:	Zip Code of patient's residence			
National Element:	Yes			
NHTSA 2:	E06_08			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>Zip</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 10			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant values

Content: The patient's zip code of legal residence. Local jurisdiction may allow temporary or other billing zip code to be entered.

Discussion and Justification: Useful for determining the political entity responsible for potential public health interventions, payment for services, etc. From Zip Code, county could be derived in software.

Business Rules: If Patient's Zip Code is not reported, this field should be submitted with one of the appropriate field values listed.

Technical Comments: Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

-10 *Not Known*

This code should only be used if submitting the complete address elements and the patient's zip code is unknown. Do not send this code if no patient encountered or not submitting above listed data elements. In such cases submit the appropriate number of spaces.

18. Social Security Number

Name of Data Element:	Social Security Number		
Priority:	Desirable		
Definition:	Patient Social Security number		
National Element:	No		
NHTSA 2:	E06_10		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>SocialSecurityNumber</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No Minimum Constraint: 2 Maximum Constraint: 9		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		Relevant values

Content: The patient's 9-digit social security number

Discussion and Justification: Will provide valuable linkage data element. However, this field is very difficult for field responders to obtain.

Business Rules: If the Patient's Social Security Number is not reported this field should be submitted with one of the appropriate field values listed.

Technical Comments: May be particularly valuable in jurisdictions where driver licenses or other forms of identification have bar coded Social Security numbers. Submission of this data requires HIPAA compliance awareness on part of the agency and the software.

-10 *Not Known*

This code should only be used if submitting patient demographic information and the patient's social security number is unknown. Do not send this code if no patient encountered or not submitting above listed data elements. In such cases submit the appropriate number of spaces.

19. Race

Name of Data Element:	Race		
Priority:	Essential		
Definition:	Patient's ethnic origin.		
National Element:	Yes		
NHTSA 2:	E06_12,		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>Race</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	660	American Indian or Alaska native
665	Asian	670	Black or African American
675	Native Hawaiian or Other Pacific Islander	680	White
685	Other Race		

Content: The provider's impression of the patient's ethnic origin.

Discussion and Justification: The patient's race as defined by the US Office of Management and Budget. Useful for epidemiological studies, and of importance to data systems in order to access certain types of federal or state funds which are directed to specific ethnic groups.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Race submitted. Records with missing or an invalid entry will be rejected by the system. If the data element is not reported this field should be submitted with one of the appropriate field values listed.

Technical Comments:

685 *Other*

This code should be used when race can be determined but is not one of the races specified in the list.

-10 *Not Known*

This code should be used when patient's race cannot be accurately determined due to decomposition, burns, etc. It is not to be used if no patient contact was made.

20. Ethnicity

Name of Data Element:	Ethnicity		
Priority:	Essential		
Definition:	The patient's ethnicity.		
National Element:	Yes		
NHTSA 2:	E06_13		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>Ethnicity</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	690	Hispanic or Latino
695	Not Hispanic or Latino		

Content: The provider's impression of the patient's ethnicity.

Discussion and Justification: The patient's ethnicity as defined by the US Office of Management and Budget. Useful for epidemiological studies, and of importance to data systems in order to access certain types of Federal or state funds which are directed to specific ethnic groups.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Ethnicity submitted. Records with missing or an invalid entry will be rejected by the system. If the data element is not reported this field should be submitted with one of the appropriate field values listed.

Technical Comments:

-10 *Not Known*

This code should be used when patient's ethnicity cannot be accurately determined due to

21. Crewmember Certification Type

Name of Data Element:	Crewmember Certification Type		
Priority:	Mandatory		
Definition:	Personnel certification / license level of crew member		
National Element:	No		
NHTSA 2:	E04_03		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>CrewMemberLevel</i> Multiple Entry Configuration: Yes Accepts Null Values: No Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	635	Student
640	Other Healthcare Provider	645	Other Non-Healthcare Professional
6090	EMT-Basic	6100	EMT-Intermediate
6110	EMT-Paramedic	6111	Nurse
6112	Physician	6120	First Responder

Content: This crewmember's highest, listed held certification/license level.

Discussion and Justification: This data element permits assessing the highest level of care, which was available on the EMS responder team. By combining this information with vehicle type, there is maximum flexibility in describing the type of service, which was provided. For instance, any level of crewmember certification may be present with any type of vehicle. Reports of value may include descriptions of therapies according to level of provider, adherence to protocols which are written differently for various levels of provider, etc.

Business Rules: All records submitted must have at least one Crewmember Certification Type *position entered*. Records with missing or an invalid Crewmember Certification Type will be rejected by the system.

Technical Comments: If the selected Crewmember Certification Type is not listed as 'Other', then a Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data

element (refer to that data element's business rule section).

This element captures the highest certification of the responder as recognized by the Iowa Department of Public Health, Bureau of EMS. Certifications held but not listed must be marked as 'Other'.

A corresponding Crewmember Certification Type, Number, and Role should be submitted for each crewmember on the reported incident

22. Crewmember Certification Number

Name of Data Element:	Crewmember Certification Number		
Priority:	Essential		
Definition:	Personnel certification / license number for first crewmember.		
National Element:	No		
NHTSA 2:	E04_01		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>CrewMemberID</i> Multiple Entry Configuration: Yes Accepts Null Values: No Required in XSD: Yes Minimum Constraint = 2 Maximum Constraint = 15		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		Relevant value

Content: A crewmember's certification/license number, corresponding to the entered certification level.

Discussion and Justification: Necessary to identify specific crewmembers participating in an EMS response. Useful for constructing experience reports, monitoring care rendered by specific providers, planning educational programs.

Business Rules: All records submitted must have at least one Crewmember Certification Number or field value entered. Records with missing or an invalid Crewmember Certification Type will be rejected by the system. This element is the unique, properly formatted certification/license number associated with the corresponding certification level.

Technical Comments: Submission of a Iowa Department of Public Health, Bureau of EMS or other Iowa State regulatory agency (RN/Physician) certification number is required for the corresponding Certification Number data element. If the corresponding Crewmember Certification Type is listed as 'Other' then no certification number should be supplied. Failure to supply a certification number when required will flag the record as non-compliant. If the crewmember position and associated crewmember certification type is not entered then the field must be left blank and filled with the appropriate number of spaces. This element is the unique certification number associated with the highest certification of the responder as assigned by the

Iowa Department of Public Health, Bureau of EMS or Iowa State regulatory agency.

Submitted data will be verified for accuracy against the Iowa Department of Public Health, Bureau of EMS Registry. The registry is established and maintained by the IDPH. Individual EMS agencies' personnel information is regulated by NEMSIS section D07 and is stored in the registry. EMS agencies will be responsible to revise and update their individual agency's NEMSIS demographic section D within the IDPH Registry.

A corresponding Crewmember Certification Type, Number, and Role should be submitted for each crewmember on the reported incident

23. Crewmember Role

Name of Data Element:	Crewmember Role		
Priority:	Mandatory		
Definition:	Crewmember role		
National Element:	No		
NHTSA 2:	E04_02		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>CrewMemberRole</i> Multiple Entry Configuration: Yes Accepts Null Values: No Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	580	Driver
585	Primary Patient Caregiver	590	Secondary Patient Caregiver
595	Third Patient Caregiver	600	Other

Content: A crewmember's role on the reported incident.

Discussion and Justification: Identifies the primary care provider and owner of the PCR in the WebCUR™ system.

Business Rules: All records submitted must have at minimum a Crewmember Role of Primary Patient Care Giver value entered. Additional crewmember added should be assigned their respective role for the reported incident. Records with missing or an invalid Crewmember Role will be rejected by the system.

Technical Comments: The WebCUR™ and EMStat™ systems use this element to define security and ownership of the PCR entered. The person responsible for completion of the patient care report is the person who should be marked as the Crew Chief.

A corresponding Crewmember Certification Type, Number, and Role should be submitted for each crewmember on the reported incident

Driver

Is defined as the driver during the time of patient transport or during the response if there was not

transport required.

Primary Patient Care Giver

Is defined as the individual responsible for the patient care during the transport of the patient, or if no transport, the individual responsible for the assessment and treatment of the patient on scene.

Secondary Patient Care Giver

Is defined as the individual assisting the Primary Patient Care Giver.

Third Patient Care Giver

Is defined as the individual assisting in the Primary and Secondary Patient Care Givers.

24. PSAP Call Date/Time

Name of Data Element:	PSAP Call Date/Time (Time Incident Reported)
Priority:	Mandatory
Definition:	The date/time dispatch was notified by the 911 call taker (if a separate entity).
National Element:	Yes
NHTSA 2:	E05_02
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>Date Time</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes

Content: Time and date call is first received by Public Safety Answering Point (PSAP) or other designated entity

Discussion and Justification: Provides the start point of the EMS response, and allows managers to assess the adequacy of EMS response, identify delays, and plan resources in a manner to provide expeditious EMS response.

Business Rules: All records submitted must have a PSAP Call Date/Time of Call entered. Records with missing or an invalid entry will be rejected by the system. .

Technical Comments: If PSAP Call Date/Time is not collected by the EMS agency, this field may be filled with the same time/date as Dispatched. Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

25. Unit Notified by Dispatch Date/Time

Name of Data Element:	Unit Notified by Dispatch Date/Time (Dispatched)
Priority:	Mandatory
Definition:	The date the responding unit was notified by dispatch.
National Element:	Yes
NHTSA 2:	E05_03
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes

Content: The date and time the unit was notified by dispatch to respond.

Discussion and Justification: Permits measurement of the actual responder response or delays. Assists planning of communication resources for individual responders, and allows identification of system delays following the dispatch component of the EMS system.

Business Rules: All records submitted must have a Dispatched date/time entered. Records with missing or an invalid entry may be rejected and marked as non-compliant by the system.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.OZ.

26. Unit Enroute Date/Time

Name of Data Element:	Unit Enroute Date/Time (Enroute/Responding)
Priority:	Essential
Definition:	The date/time the unit responded; that is, the time the vehicle started moving
National Element:	Yes
NHTSA 2:	E05_05
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>Date Time</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes

Content: The date/time that the response unit begins physical motion.

Discussion and Justification: Permits measurement of delay between notification of EMS responder and the actual mobilization of the response unit. This data element refers to physical motion of the responding EMS vehicle, and does not refer to individual EMTs who may respond directly to the scene when notified by individual radio or telephone. For example, if an EMS incident is reported, one EMT may be at home or at work and be responsible to go to the station, which holds the ambulance. Another EMT may be notified and may drive in a private vehicle directly to the scene. The data element entered should be the time that the ambulance actually leaves the station, not the time at which the other EMT drives to the scene in the private vehicle.

Business Rules: All records submitted must have a Unit Enroute date/time entered. Records with missing or an invalid entry will be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.OZ.

27. Unit Arrived on Scene Date/Time (Arrive Scene)

Name of Data Element:	Unit Arrived on Scene Date/Time (Arrive Scene)
Priority:	Essential
Definition:	Time EMS unit stops physical motion at scene.
National Element:	Yes
NHTSA 2:	E05_06
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes

Content: The time/date the EMS unit stops physical motion at scene, last place that the unit or vehicle stops prior to assessing the patient.

Discussion and Justification: Permits measurement of the time required for the response vehicle to go from the station to the scene. This data element refers to the physical motion of the responding EMS vehicle. If an individual EMT arrives at the scene by private vehicle that is NOT the value to be entered in this field. Otherwise, system delays in having an equipped vehicle at the scene will fail to be identified.

Business Rules: All records submitted must have a Unit Arrived on Scene date/time entered. Records with missing or an invalid entry may be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

28. Arrived at Patient Date/Time (Arrive Patient)

Name of Data Element:	Arrived at Patient Date/Time (Arrive Patient)
Priority:	Essential
Definition:	The date/time the responding unit arrived at the patient's side
National Element:	Yes
NHTSA 2:	E05_07
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes

Content: The date/time response personnel establish direct contact with patient.

Discussion and Justification: Desirable in certain situations in which there may be a significant delay between the time at which a response unit arrives at the scene and the time at which the personnel can access the patient. For example, if the EMTs are prevented because of fire or adverse conditions from approaching the patient, this time will be useful. Search and rescue operations will also note delays between arrival at the overall scene and the actual patient contact.

Business Rules: All records submitted must have a Arrived at Patient date/time entered. Records with missing or an invalid entry may be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

29. Unit Left Scene Date/Time (Depart Scene)

Name of Data Element:	Unit Left Scene Date/Time (Depart Scene)
Priority:	Essential
Definition:	Time when the response unit begins physical motion from scene.
National Element:	Yes
NHTSA 2:	E05_09
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes

Content: The date/time when the response unit begins physical motion from scene.

Discussion and Justification: Permits calculation of scene time by subtracting the time of arrival at scene from the time unit left scene.

Business Rules: All records submitted must have a Unit Left Scene date/time entered. Records with missing or an invalid entry may be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

30. Time Arrival at Facility/Destination Date/Time (Arrive Destination)

Name of Data Element:	Time Arrival at Facility/Destination Date/Time (Arrive Dest.)
Priority:	Essential
Definition:	Time when patient arrives at destination or transfer point.
National Element:	Yes
NHTSA 2:	E05_10
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes

Content: The date/time when patient arrives at destination or transfer point.

Discussion and Justification: Permits calculation of the time required to go from the scene to the destination of the response unit. If the patient is transferred from one EMS responder vehicle to another, then the time of arrival at destination for the first responder is the time of arrival or patient contact (or both) for the second agency.

Business Rules: All records submitted must have a Time Arrival at Facility date/time entered. Records with missing or an invalid entry may be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

31. Unit Back In Service Date/Time (Available)

Name of Data Element:	Unit Back In Service Date/Time (Available)
Priority:	Mandatory
Definition:	Time response unit back in service and available for response.
National Element:	Yes
NHTSA 2:	E05_11
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes

Content: The date/time the unit back was back in service and available for response, finished with call, but not necessarily back in home location.

Discussion and Justification: Allows planning of EMS resources. Permits assessment of the delay between arrival at destination and availability of the response unit.

Business Rules: All records submitted must have a Unit Back in Service date/time entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

32. Unit Back at Home Location

Name of Data Element:	Unit Back at Home Location
Priority:	Mandatory
Definition:	The date/time the responding unit was back in their service area. In agencies who utilized Agency Status Management, home location means the service area as assigned through the agency status management protocol.
National Element:	Yes
NHTSA 2:	E05_13
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes

Content: The date/time the responding unit was back in their service area. In agencies who utilized Agency Status Management, home location means the service area as assigned through the agency status management protocol.

Discussion and Justification: Allows planning of EMS resources. Allows data to be sorted based on EMS agency time. Allows data to describe EMS agency time intervals.

Business Rules: All records submitted must have a Unit Back at Home Location date/time entered. Records with missing or an invalid entry may be rejected and marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

33. Incident or Onset Date / Time

Name of Data Element:	Incident or Onset Date /Time
Priority:	Desired
Definition:	Estimated date / time of injury or onset of medical symptoms either by EMS personnel or reported to EMS personnel by patient or bystander.
National Element:	No
NHTSA 2:	E05_01
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: No

Content: The patient or provider's estimated date/time of injury or symptom onset.

Discussion and Justification: Necessary to measure impact of injury time on treatment provided by EMS staff as well as receiving trauma care facility.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules or not submitted.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

34. Type of Dispatch Delay

Name of Data Element:	Type of Dispatch Delay		
Priority:	Essential		
Definition:	The dispatch delays, if any, associated with the dispatch of the EMS unit to the patient encounter.		
National Element:	Yes		
NHTSA 2:	E02_06		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>TypeOfDispatchDelay</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	80	Caller (Uncooperative)
85	High Call Volume	90	Language Barrier
95	Location (Inability to obtain)	100	No Units Available
105	None	110	Other
115	Scene Safety (Not Secure for EMS)	120	Technical Failure (Computer, Phone, etc.)

Content: The dispatch delays, if any, associated with the dispatch of the EMS unit to the patient encounter.

Discussion and Justification: Allows data to describe the status of Dispatch issues.

Business Rules: All records submitted must have a Type of Dispatch Delay entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments:

-25 Not Applicable

At the time of the report documentation, information requested was “Not Applicable” to the incident. This indicates that it was unnecessary to document a delay if none occurred.

35. Type of Response Delay

Name of Data Element:	Type of Response Delay		
Priority:	Essential		
Definition:	The response delays, if any, of the unit associated with the patient encounter		
National Element:	Yes		
NHTSA 2:	E02_07		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>TypeOfResponseDelay</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	125	Crowd
130	Directions	135	Distance
140	Diversions	145	Hazmat
150	None	155	Other
160	Safety	165	Staff Delay
170	Traffic	175	Vehicle Crash
180	Vehicle Failure	185	

Content: The response delays, if any, of the unit associated with the patient encounter

Discussion and Justification: Allows data describing Vehicle Failures and Vehicle Crashes, Allows data to describe the status of Response issues

Business Rules: All records submitted must have a Type of Response Delay entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments:

-25 Not Applicable

At the time of the report documentation, information requested was “Not Applicable” to the incident. This indicates that it was unnecessary to document a delay if none occurred.

36. Type of Scene Delay

Name of Data Element:	Type of Scene Delay		
Priority:	Essential		
Definition:	The scene delays, if any, of the unit associated with the patient encounter		
National Element:	Yes		
NHTSA 2:	E02_08		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>TypeOfSceneDelay</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	190	Crowd
195	Directions	200	Distance
205	Diversions	210	Extrication > 20 Min.
215	Hazmat	220	Language Barrier
225	None	230	Other
235	Safety	240	Staff Delay
245	Traffic	250	Vehicle Crash
255	Vehicle Failure	260	Weather

Content: The scene delays, if any, of the unit associated with the patient encounter

Discussion and Justification: Allows data describe Vehicle Failures and Vehicle Crashes. Allows data to describe the status of Scene issues

Business Rules: All records submitted must have a Type of Scene Delay entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments:

-25 Not Applicable

At the time of the report documentation, information requested was "Not Applicable" to the incident. This indicates that it was unnecessary to document a delay if none occurred.

37. Type of Transport Delay

Name of Data Element:	Type of Transport Delay		
Priority:	Essential		
Definition:	The transport delays, if any, of the unit associated with the patient encounter		
National Element:	Yes		
NHTSA 2:	E02_09		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>TypeOfTransportDelay</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	165	Crowd
270	Directions	275	Distance
280	Diversions	285	Hazmat
290	None	295	Other
300	Safety	305	Staff Delay
310	Traffic	315	Vehicle Crash
320	Vehicle Failure	325	Weather

Content: The transport delays, if any, of the unit associated with the patient encounter.

Discussion and Justification: Allows data describing Vehicle Failures and Vehicle Crashes. Allows data to describe the status of Transport issues.

Business Rules: All records submitted must have a Type of Transport Delay entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments:

-25 Not Applicable

At the time of the report documentation, information requested was “Not Applicable” to the incident. This indicates that it was unnecessary to document a delay if none occurred.

38. Type of Turn-around Delay

Name of Data Element:	Type of Turn-around Delay		
Priority:	Essential		
Definition:	The turn-around delays, if any, associated with the EMS unit associated with the patient encounter		
National Element:	Yes		
NHTSA 2:	E02_10		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>TypeOfTurnAroundDelay</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	165	Crowd
270	Directions	275	Distance
280	Diversions	285	Hazmat
290	None	295	Other
300	Safety	305	Staff Delay
310	Traffic	315	Vehicle Crash
320	Vehicle Failure	325	Weather

Content: The turn-around delays, if any, associated with the EMS unit associated with the patient encounter.

Discussion and Justification: Allows data describing ED overcrowding and Vehicle Failure. Allows data to describe the status of call time issues.

Business Rules: All records submitted must have a Type of Turn-around Delay entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments:

-25 Not Applicable

At the time of the report documentation, information requested was “Not Applicable” to the incident. This indicates that it was unnecessary to document a delay if none occurred

39. Response Mode to Scene (Lights or Sirens to Scene)

Name of Data Element:	Response Mode to Scene (Lights or Sirens to Scene)		
Priority:	Essential		
Definition:	The use of lights or sirens enroute to scene.		
National Element:	Yes		
NHTSA 2:	E02_20		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ResponseModeToScene</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
380	Initial Lights and Sirens, Downgraded	385	Initial No Lights or Sirens, Upgraded
390	No Lights and Sirens	395	Lights and Sirens

Content: Indication whether or not lights and/or sirens were used on the vehicle on the way to the scene.

Discussion and Justification: To allow system administrators to know the frequency with which responder vehicles are using lights and sirens. Such usage carries explicit risks and EMS managers are responsible to assure that lights and sirens are used appropriately.

Business Rules: All records submitted must have a Response Mode to Scene entered. Records with missing or an invalid entry will be rejected and marked as non-compliant by the system.

40. Transport Mode From Scene (Lights or sirens used from scene)

Name of Data Element:	Transport Mode From Scene (Lights or sirens from scene)		
Priority:	Essential		
Definition:	Use of lights and/or sirens from the scene.		
National Element:	Yes		
NHTSA 2:	E20_14		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>TransportModeFromScene</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
4955	Initial Lights and Sirens, Downgraded	4960	Initial No Lights or Sirens, Upgraded
4970	No Lights and Sirens	4965	Lights and Sirens

Content: Indication whether or not lights and/or sirens were used on the vehicle while leaving scene.

Discussion and Justification: Allow system administrators to know the frequency with which responder vehicles are using lights and sirens. Such usage carries explicit risks and EMS managers are responsible to assure that lights and sirens are used appropriately.

Business Rules: All records submitted must have a Transport Mode to Scene entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element should be submitted with one of the above listed NEMSIS Section E00 (Common Null) field values.

Technical Comments:

-25 Not Applicable

At the time of the report documentation, information requested was “Not Applicable” to the incident. This indicates that it is unnecessary to document transport mode if the incident and the incident disposition demonstrates that the incident did not warrant a transport mode.

41. Incident Address

Name of Data Element:	Incident Address			
Priority:	Mandatory			
Definition:	The street address where the unit responded or patient was found.			
National Element:	No			
NHTSA 2:	E08_11			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>StreetAddress</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No Minimum Constraint: 2 Maximum Constraint: 50 (30)			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant value

Content: The actual or best approximation of the street address where the patient was found, or, if no patient, the address to which the unit responded.

Discussion and Justification: Provides street address to better pinpoint incidents and allow mapping. Important for grouping or comparing data by Scene location that also allows data to be sorted by geographic response areas in many agencies. Provides information on overall response patterns and times for agency configuration and evaluation. Field may be used for local city reports, permitting local understanding of the impact of EMS.

Business Rules: All records submitted must have an Incident Address entered. The address can be entered or submitted with one of the above listed NEMSIS Section E00 (Common Null) field values. Records with a missing or an invalid entry will be rejected by the system.

Technical Comment: This is to be used to allow the IDPH to interface with state geocoding systems to build location based on the street address and zip code. The maximum constraint has been increased from NEMSIS standard to allow more accurate and complete address collection.

42. Incident City/County FIPS

Name of Data Element:	Incident City/County FIPS			
Priority:	Mandatory			
Definition:	City or township (if applicable) where patient was found or to which unit responded (or best approximation).			
National Element:	Yes, modified			
NHTSA 2:	E08_13			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>County</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 8			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant value
Refer to Appendix C				
(Iowa City/County FIPS List)				

Content: The county and civil district's FIPS code that the unit was dispatched to or encountered the incident in.

Discussion and Justification: Provides city location of incident, which can be used to determine the appropriate level of EMS resources for specific areas. In addition, this field may facilitate probabilistic linkage to crash reports from the same city, or to hospitals within the same city. Field may be used for local city reports, permitting local understanding of the impact of EMS.

Business Rules: All records submitted must have an Incident City/County FIPS entered. The FIPS number must be from the approved FIPS list as published by the Iowa Department of Public Health, Bureau of EMS or with one of the above listed NEMSIS Section E00 (Common Null) field values. Records with a missing or an invalid entry will be rejected by the system.

Technical Comment: Stored as an eight (8)-digit FIPS code (combining the county and place code) to take into account agencies may serve more than one state and counties are often named the same from state to state. This eight (8)-digit field is coded using the FIPS system, wherein each city is encoded as a five (5)-digit number place code with a three (3)-digit county code. City FIPS codes are only unique within a state. Refer to the approved Iowa City/County FIPS list in

the appendix.

43. Incident Zip Code

Name of Data Element:	Incident Zip Code		
Priority:	Mandatory		
Definition:	Zip code of incident.		
National Element:	Yes		
NHTSA 2:	E08_15		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>Zip</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 10		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		The appropriate digits for Zip Code

Content: The ZIP code of the dispatched or actual incident location.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the geographic location of the EMS Incident. Allows data to describe geographic location of the EMS Incident. Zip codes cross county and civil districts thereby requiring the City/County FIPS code collection along with Zip Code for billing purposes.

Business Rules: All records submitted must have an Incident Zip Code entered. Records with missing or an invalid entry will be rejected by the system

Technical Comments: Only the United State Postal Service zip codes are accepted.

44. Incident GPS Location

Name of Data Element:	Incident GPS Location
Priority:	Desired
Definition:	The GPS coordinates of the incident
National Element:	No
NHTSA 2:	E08_10
XML:	XSD Data Type: <i>xs:decimal</i> XSD Domain (Simple Type): <i>GPSLocation</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: No XSD Attributes: Latitude and Longitude are each stored as a separate attribute

Content: The GPS coordinates associated with the scene.

Discussion and Justification: Provides precise coordinates of incidents and improves mapping. Important for grouping or comparing data by Scene location that also allows data to be sorted by geographic response areas in many agencies. Provides information on overall response patterns and times for agency configuration and evaluation. Field may be used for local city reports, permitting local understanding of the impact of EMS.

Business Rules: This field is not required for submission and only requested from agencies with the capability to provide GPS information. Records with an invalid entry will be marked as non-compliant by the system. If not reporting this information the entry should not be submitted in the XML file.

Technical Comment: This is to be used to allow the IDPH to interface with state geocoding systems to build location based on the GPS coordinates. Must adhere to the NEMSIS GPS submission standards to be considered proper format.

45. Location Type

Name of Data Element:	Location Type		
Priority:	Mandatory		
Definition:	Type of location of incident		
National Element:	Yes, modified		
NHTSA 2:	E08_07		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>IncidentLocationType</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1135	Home/Residence
1140	Farm	1145	Mine or Quarry
1150	Industrial Place and Premise	1155	Place of Recreation or Sport
3	Other Traffic Way	18	School/University
9	Bar/Restaurants	15	Clinic /Dr. Office
16	Extended Care Facility	1185	Lake, River, Ocean
1190	Other Location	2	Traffic Way 55+ mph
14	Acute Care Facility	21	Non Public Road / Off Road.
7	Wilderness	8	Hotel /Motel
12	Office Business	4	Public Place
20	Casino		

Content: Location type data items are coded in terms of the (ICD-9) E849 place of occurrence codes. This location refers to the location where the injury occurred, not necessarily the origin of the transport.

Discussion and Justification: Location type of the incident is important for epidemiologists as well as EMS planners deciding where to allocate EMS resources. Allows data to be sorted based on the Incident Location and Type. Allows data to describe the Incident Location and the distribution of EMS events.

Business Rules: All records submitted must have a Location Type entered. Records with

missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the common null rules (E00).

Technical Comments: If responders do not arrive on scene they are to approximate the incident location based on dispatch information

****Note this list encompasses more than the NEMSIS list of location type. These exceptions allow for more defined coding of established or unique locations inherent to Iowa that are not addressed in NEMSIS but important for state planning.**

46. Destination Transferred To Code (Receiving Agency)

Name of Data Element:	Destination Transferred To, Code (Receiving Agency)		
Priority:	Essential		
Definition:	Specific Health Care Facility or Prehospital Agency that received patient from EMS provider providing this record.		
National Element:	Yes		
NHTSA 2:	E20_02		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>DestinationTransferredToCode</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 7 (50)		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		The appropriate digits agency
<p>Refer to Appendix B {7 digit Health Facility Number}</p> <p>Refer to Appendix A {7digit EMS Agency Number}</p>			

Content: This element consists of the unique 7-digit number as assigned by the Iowa Department of Public Health, Bureau of EMS for approved health care facilities and EMS agencies.

Business Rules: Records submitted with an Incident Disposition involving EMS transport or care transferred must have a Destination Transferred To value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules. Records with missing or an invalid entry will be rejected by the system

Technical Comments:

-10 *Not Known*

This code should be used when the specific facility number or EMS agency number is not known.

-25 Not Applicable

At the time of the report documentation, information requested was “Not Applicable” to the incident. This indicates that it is unnecessary to document destination transferred to if the incident and the incident disposition demonstrates that the incident did not warrant a transport mode.

47. Destination Zip Code

Name of Data Element:	Destination Zip Code		
Priority:	Essential		
Definition:	The destination zip code in which the patient was delivered or transferred to		
National Element:	Yes		
NHTSA 2:	E20_07		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>Zip</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 10		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		The appropriate digits for Zip Code

Content: The ZIP code of the incident location

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the destination location. Allows data to describe patient's geographic destination. Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies. Provides information on overall service area, patterns and times for agency configuration and evaluation.

Business Rules: All records must have a Destination Zip Code value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: Only the United State Postal Service zip codes are accepted.

48. Destination Type

Name of Data Element:	Destination Type		
Priority:	Essential		
Definition:	The type of destination the patient was delivered or transferred to.		
National Element:	Yes		
NHTSA 2:	E20_17		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>TypeOfDestination</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	7270	Home
7280	Hospital	7290	Medical Office/Clinic
7300	Morgue	7320	Nursing Home
7330	Other	7340	Other EMS Responder (air)
7350	Other EMS Responder (ground)	7360	Police/Jail

Content: The type of the destination the patient was delivered or transferred to.

Discussion and Justification: Allows reporting by destination facilities, and allows linking when a patient is transferred between EMS responder agencies. Not applicable would be selected when there is no patient.

It is anticipated that each region or state will codify its list of hospitals in an internally consistent manner, permitting reports by facility. For purposes of the uniform data set, the first 8 categories have been defined above. For purposes of export to a larger data set, such as a national data set, all hospital destinations would be collapsed down into a single code for Hospital.

This data element is very valuable for probabilistic linkage. For instance, when an EMS responder indicates a specific hospital identifier, this can greatly facilitate linkage to outpatient and inpatient facility records.

Business Rules: All records must have a Destination Type value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be rejected by the system.

49. Destination Determination

Name of Data Element:	Destination Determination		
Priority:	Essential		
Definition:	Reason a transport destination was selected.		
National Element:	Yes		
NHTSA 2:	E20_16		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ReasonForChoosingDestination</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	4990	Closest Facility
4995	Diversion	5000	Family Choice
5005	Insurance Status	5010	Lawn Enforcement Choice
5015	On-Line Medical Direction	5020	Other
5025	Patient Choice	5030	Patient's Physician Choice
5035	Protocol	5040	Specialty Resource Ctr.

Content: The reason used to determine the transfer location.

Discussion and Justification: Helps EMS managers to determine whether the choice of destination is appropriate. Items, which are defined as patient, physician, or family choice, are of interest to determine whether a trauma or referral system is functioning well, or is frequently overridden by non-medical issues.

Business Rules: All records must have a Destination Determination value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be rejected by the system.

50. CMS Service Level (Nature of Incident)

Name of Data Element:	CMS Service Level (Nature of Incident)		
Priority:	Mandatory		
Definition:	Type of care available/rendered by personnel regardless of level		
National Element:	Yes		
NHTSA 2:	E07_34		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>CMSServiceLevel</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	990	BLS
995	BLS, Emergency	1000	ALS, Level 1
1005	ALS, Level 1 Emergency	1010	ALS, Level 2
1015	Paramedic Intercept	1020	Specialty Care Transport
1025	Fixed Wing (airplane)	1030	Rotary Wing (helicopter)

Content: Identified the highest type of care rendered at the incident.

Discussion and Justifications: The CMS service level for this EMS encounter. Allows data to be quantified and described based on the CMS Service Level. Allows data to be sorted based on the CMS Service Level. Important for EMS billing

Business Rules: All records must have a CMS Service Level value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be rejected by the system.

Technical Comments:

51. Prior Aid

Name of Data Element:	Prior Aid			
Priority:	Essential			
Definition:	Any care which was provided to the patient prior to the arrival of this unit.			
National Element:	Yes			
NHTSA 2:	E09_01			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>PriorAid</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 30			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Field Values from Procedures & Medications

Content: Enter any care provided to patient prior to arrival of this reporting unit.

Discussion and Justification: Beneficial to planners and researchers in evaluating the skills and abilities of those first to arrive on the scene or witness emerging situations where medical or injuries are paramount. Allows data to be sorted based on the specific prior aid received or not received by the patient. Allows data to describe aid which was provided prior to EMS arrival. Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Business Rules: All records must have a Prior Aid value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be rejected by the system.

Technical Comments: Field value list created from Procedures (E19_03) and Medications (E18_03).

52. Prior Aid Performed By

Name of Data Element:	Prior Aid Performed By		
Priority:	Essential		
Definition:	The type of individual who performed the care prior to the arrival of this unit.		
National Element:	Yes		
NHTSA 2:	E09_02		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>PriorAidPerformedBy</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1195	EMS Provider
1200	Law Enforcement	1205	Lay Person
1210	Other Healthcare Provider	1215	Patient

Content: Identify the type of the individual who performed the prior aid entered.

Discussion and Justification: Beneficial to planners and researchers in evaluating the skills and abilities of those first to arrive on the scene or witness emerging situations where medical or injuries are paramount. Allows data to be sorted based on the specific prior aid received or not received by the patient. A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on who provided specific prior aid. Allows data to describe who performed any aid which was provide prior to EMS arrival to the patient. Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Business Rules: All records must have a Prior Aid Performed By value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be rejected by the system.

Technical Comments:

53. Outcome of Prior Aid

Name of Data Element:	Outcome of Prior Aid		
Priority:	Essential		
Definition:	What was the outcome or result of the care performed prior to the arrival of the unit?		
National Element:	Yes		
NHTSA 2:	E09_03		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>OutcomeOfPriorAid</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1220	Improved
1225	Unchanged	1230	Worse

Content: Identifies the outcome of the aid performed prior to the unit arrival.

Discussion and Justification: Beneficial to planners and researchers in evaluating the skills and abilities of those first to arrive on the scene or witness emerging situations where medical or injuries are paramount. Allows data to be sorted based on the perceived outcome which resulted from specific prior aid received by the patient. Allows data to describe aid which was provided prior to EMS arrival . Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Business Rules: All records must have an Outcome of Prior Aid value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be rejected by the system.

Technical Comments:

54. Vital Signs Date/Time

Name of Data Element:	Vital Signs Date/Time
Priority:	Essential
Definition:	Date and Time that vital signs were obtained
National Element:	No
NHTSA 2:	E14_01
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes

Content: Date and time that the vital signs were obtained

Discussion and Justification: Desirable in certain situations in which there may be a significant delay between the time at which a response unit arrives at the scene and the time at which the personnel can access the patient. For example, if the EMTs are prevented because of fire or adverse conditions from approaching the patient, this time will be useful. Search and rescue operations will also note delays between arrival at the overall scene and the actual patient contact.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Vital Signs Date/Time entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

55. Pulse Rate

Name of Data Element:	Pulse Rate		
Priority:	Essential		
Definition:	Patient's palpated or auscultated pulse rate expressed in number per minute.		
National Element:	No		
NHTSA 2:	E14_07		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>PulseRate</i> Multiple Entry Configuration: No Accepts Null Values: Yes, but null value is blank or empty Required in XSD: Yes Minimum Constraint: -25 Maximum Constraint: 500		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		

Content: Patient's palpated or auscultated pulse rate expressed in number per minute.

Discussion and Justification: The pulse rate is a component of various triage-scoring systems, and permits a rough assessment of the severity of illness of the patient. This data element is based on the physical examination of the patient, and the pulse must be palpated or auscultated. An electrical rhythm is not sufficient, as the patient could have pulse less electrical activity (PEA). In this instance, the correct value of this data element is '000'.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have an Pulse Rate entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: It is recognized that it may be difficult to obtain an initial pulse rate during a minority of patient encounters. Use the following value to notate that it was decided to not or unable to obtain an initial pulse rate.

-5 Not Available

This is to be coded if a patient was encountered and no pulse was assessed. It is not to be used if

no patient was encountered or the incident does not require a pulse rate

56. Respiratory Rate

Name of Data Element:	Respiratory Rate		
Priority:	Essential		
Definition:	Unassisted patient respiratory rate expressed as number per minute.		
National Element:	No		
NHTSA 2:	E14_11		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>RespiratoryRate</i> Multiple Entry Configuration: No Accepts Null Values: Yes, but null value is blank or empty Required in XSD: Yes Minimum Constraint: -25 Maximum Constraint: 100		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		

Content: Unassisted patient respiratory rate expressed as number per minute.

Discussion and Justification: Component of several triage scoring systems and provides some assessment of severity of illness or injury. If a patient is not breathing and requires artificial ventilation, this data element should be coded as '000'.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have an Respiratory Rate entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: It is recognized that patient's encountered may have an initial respiratory rate greater than 100, however, planning and epidemiological studies do not need to differentiate individual numbers greater than the maximum setting. This should limit the submission of, as well as flag erroneous data. Null value should only be used when it is appropriate to not submit the data. Estimated respiratory rates should be collected on all patient encounters.

-5 Not Available

This is to be coded if a patient was encountered and no initial respiratory rate was assessed. It is not to be used if no patient was encountered or the incident does not require a pulse rate.

57. Systolic Blood Pressure

Name of Data Element:	Systolic Blood Pressure		
Priority:	Essential		
Definition:	Patient's systolic blood pressure		
National Element:	No		
NHTSA 2:	E14_04		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>SBP</i> Multiple Entry Configuration: No Accepts Null Values: Yes, but null value is blank or empty Required in XSD: Yes Minimum Constraint: -25 Maximum Constraint: 400		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		

Content: Patient's systolic blood pressure

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have an Systolic Blood Pressure entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: The coding of '0' should only be used if a blood pressure is attempted but not able to be determined due to poor perfusion. It is recognized that patient's encountered may have an initial systolic blood pressures greater than 400, however, planning and epidemiological studies do not need to differentiate individual number greater than the maximum setting. This should limit the submission of, as well as flag erroneous data. It is recognized that it may be difficult to obtain an initial systolic blood pressure during a minority of patient encounters. Use the following value to notate that it was decided to not or unable to obtain an initial pulse rate.

-5 Not Available

This is to be coded if a patient was encountered and no systolic blood pressure was assessed. It is not to be used if no patient was encountered or the incident does not require a systolic blood pressure.

58. Diastolic Blood Pressure

Name of Data Element:	Diastolic Blood Pressure		
Priority:	Essential		
Definition:	Patient's diastolic blood pressure		
National Element:	No		
NHTSA 2:	E14_05		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>DBP</i> Multiple Entry Configuration: No Accepts Null Values: Yes, but null value is blank or empty Required in XSD: Yes Minimum Constraint: -25 Maximum Constraint: 300		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		

Content: Patient's diastolic blood pressure

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Diastolic Blood Pressure entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: The coding of '0' should only be used if a blood pressure is attempted but not able to be determined due to poor perfusion. It is recognized that patient's encountered may have an initial diastolic blood pressures greater than 300, however, planning and epidemiological studies do not need to differentiate individual number greater than the maximum setting. This should limit the submission of, as well as flag erroneous data. It is recognized that it may be difficult to obtain an initial diastolic blood pressure during a minority of patient encounters. Use the following value to notate that it was decided to not or unable to obtain an initial diastolic blood pressure.

-5 Not Available

This is to be coded if a patient was encountered and no diastolic blood pressure was assessed. It is not to be used if no patient was encountered or the incident does not require a diastolic blood pressure.

59. Blood Pressure Method

Name of Data Element:	Blood Pressure Method		
Priority:	Essential		
Definition:	Indication of method of blood pressure procedure.		
National Element:	No		
NHTSA 2:	E14_06		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>MethodOfBloodPressure</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
3150	Arterial Line	3155	Automated Cuff
3160	Manual Cuff	3165	Palpated Cuff
3170	Venous Line		

Content: Indication of method of blood pressure procedure.

Discussion and Justification: Important component of several scoring systems for triage, and permits some assessment of acuity of patient.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have an Blood Pressure Method entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules.

60. Skin Assessment

Name of Data Element:	Skin Assessment		
Priority:	Essential		
Definition:	The assessment of the patient's skin on examination		
National Element:	No		
NHTSA 2:	E16_04		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>SkinAssessment</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3420	Normal
3425	Not Done	3430	Clammy
3435	Cold	3440	Cyanotic
3445	Jaundiced	3450	Lividity
3455	Mottled	3460	Pale
3465	Warm		

Content: The assessment of the patient's skin on examination.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Skin Assessment entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments:

3425 Not Done

This is to be coded if a patient was encountered and no skin perfusion was assessed. It is not to be used if no patient was encountered or the incident does not require a skin perfusion assessment.

61. Glasgow Eye Opening Component

Name of Data Element:	Glasgow Eye Opening Component		
Priority:	Essential		
Definition:	Patient's eye opening component of the Glasgow coma scale.		
National Element:	No		
NHTSA 2:	E14_15		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>GCSEye</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes Minimal Constraint = -25 Maximum Constraint = 4		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
1	Eyes Don't Open	2	Opens Eyes to Painful Stimulation
3	Open Eyes to Verbal Stimulation	4	Open Eyes Spontaneously

Content: Initial evaluation of the eye opening of the Glasgow coma scale assessment.

Discussion and Justification: One of three components of the Glasgow Coma Scale (GCS), which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Glasgow Eye Opening Component entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

-5 Not Available

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a GCS assessment.

62. Glasgow Verbal Component

Name of Data Element:	Glasgow Verbal Component		
Priority:	Essential		
Definition:	Patient's verbal component of the Glasgow coma scale		
National Element:	No		
NHTSA 2:	E14_16		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>GCSVerbal</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes Minimal Constraint = -25 Maximum Constraint = 5		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
	Patients 0 – 23 months	1	None
2	Persistent Cry	3	Inappropriate Cry
4	Cries, inconsolable	5	Smiles, coos, cries appropriately
	Patients 2 – 5 Years	1	None
2	Grunts	3	Cries and/or Screams
4	Inappropriate Words	5	Appropriate Words
	Patients > 5 Years	1	None
2	Non-specific Words	3	Inappropriate Words
4	Confused conversation or speech	5	Oriented and appropriate speech

Discussion and Justification: One of three components of the Glasgow Coma Scale, which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Glasgow Verbal Component entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to

not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the patient is intubated and deeply comatose, then this data element is coded as 1 for none, since there was no verbal response at the time of Intubation. However, if the patient is intubated but not deeply comatose, and there is a possibility of verbal response, it is difficult to apply the Glasgow coma scale. The EMS responder can ask questions and if the patient can nod his head or blink eyes, etc. appropriately, then this element is coded as 5. A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

-5 Not Available

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a GCS assessment.

63. Glasgow Motor Component

Name of Data Element:	Glasgow Motor Component		
Priority:	Essential		
Definition:	Patient's motor component of the Glasgow coma scale.		
National Element:	No		
NHTSA 2:	E14_18		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>GCSMotor</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes Minimal Constraint = -25 Maximum Constraint = 6		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
	Patients < 5 Years	1	None
2	Extensor posturing in response to painful stimulation	3	Flexor posturing in response to painful stimulation
4	General withdrawal in response to painful stimulation	5	Localization of painful stimulation
6	Spontaneous		
	Patients >5 Years	1	None
2	Extensor posturing in response to painful stimulation	3	Flexor posturing in response to painful stimulation
4	General withdrawal in response to painful stimulation	5	Localization of painful stimulation
6	Obeys Commands		

Discussion and Justification: One of three components of the Glasgow Coma Scale, which is widely used to assess neurological status. The score and its components are also parts of a variety of triage scoring systems. The component by itself does not offer a true assessment of

neurological status; therefore a complete GCS examination assessing all three components must be submitted for neurological evaluation purposes.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have a Glasgow Motor Component entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: This component cannot be assessed if the patient has received a muscle relaxant. However, information on patient's response prior to the muscle relaxant may be reported for this initial assessment. A judgment that the data element is not applicable should not be made at the responder level. Instead, this can be made by generating data reports for specific conditions in which the data element is considered relevant, and examining the field for valid values.

-5 Not Available

This is to be coded if a patient was encountered and GCS was not assessed. It is not to be used if no patient was encountered or the incident does not require a GCS assessment.

64. Initial Cardiac Rhythm

Name of Data Element:	Initial Cardiac Rhythm		
Priority:	Desirable		
Definition:	Initial monitored cardiac rhythm as interpreted by EMS personnel.		
National Element:	No		
NHTSA 2:	E14_03		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>CardiacRhythm</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3005	12 Lead ECG – Anterior Ischemia
3010	12 Lead ECG – Inferior Ischemia	3015	12 Lead ECG – Lateral Ischemia
3020	Agonal / Idioventricular	3025	Artifact
3030	Asystole	3035	Atrial Fibrillation / Flutter
3040	AV Block – 1 st Degree	3045	AV Block – 2 nd Degree Type 1
3050	AV Block – 2 nd Degree Type 2	3055	AV Block – 3 rd Degree Type 3
3060	Junctional	3065	Left Bundle Branch
3070	Normal Sinus Rhythm	3075	Other
3080	Paced Rhythm	3085	PEA
3090	Premature Atrial Contractions	3095	Premature Ventricular Contractions
3100	Right Bundle Branch Block	3105	Sinus Arrhythmia
3110	Sinus Bradycardia	3115	Sinus Tachycardia
3120	Supraventricular Tachycardia	3125	Torsades De Points
3130	Unknown AED Non-Shockable Rhythm	3135	Unknown AED Shockable Rhythm
3140	Ventricular Fibrillation	3145	Ventricular Tachycardia

Discussion and Justification: Provides the initial monitored rhythm, permitting reports generated according to initial rhythm. Such reports would be of use in assessing the survival rate after certain rhythms.

It is understood that some agencies collect data about cardiac rhythms with more detail than this list. For instance, many agencies expect EMS personnel to distinguish first, second, and third degree heart block. There is no intention to restrict the manner in which any agencies decide to code cardiac rhythms, but there is a necessity to be able to collapse those rhythms to a common definition, which can then be combined. For the examples of heart block mentioned, those would all collapse into AV Block.

Business Rules: Records submitted with an Incident Disposition involving EMS treatment or evaluation must have an Initial Cardiac Rhythm entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments:

-5 Not Available

This is to be coded if a patient was encountered and initial cardiac rhythm was not assessed. It is not to be used if no patient was encountered or the incident does not require a cardiac rhythm assessment.

-15 Not Reporting

This is to be coded if the EMS responder is not an appropriate level provider to assess electrical rhythm, or if electrical monitoring is unavailable to the provider.

65. Final Cardiac Rhythm (at Destination)

Name of Data Element:	Final Cardiac Rhythm (at Destination)		
Priority:	Desirable		
Definition:	Monitored cardiac rhythm upon arrival at destination.		
National Element:	No		
NHTSA 2:	E11_11		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>CardiacRhythmAtDestination</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3005	12 Lead ECG – Anterior Ischemia
3010	12 Lead ECG – Inferior Ischemia	3015	12 Lead ECG – Lateral Ischemia
3020	Agonal / Idioventricular	3025	Artifact
3030	Asystole	3035	Atrial Fibrillation / Flutter
3040	AV Block – 1 st Degree	3045	AV Block – 2 nd Degree Type 1
3050	AV Block – 2 nd Degree Type 2	3055	AV Block – 3 rd Degree Type 3
3060	Junctional	3065	Left Bundle Branch
3070	Normal Sinus Rhythm	3075	Other
3080	Paced Rhythm	3085	PEA
3090	Premature Atrial Contractions	3095	Premature Ventricular Contractions
3100	Right Bundle Branch Block	3105	Sinus Arrhythmia
3110	Sinus Bradycardia	3115	Sinus Tachycardia
3120	Supraventricular Tachycardia	3125	Torsades De Points
3130	Unknown AED Non-Shockable Rhythm	3135	Unknown AED Shockable Rhythm
3140	Ventricular Fibrillation	3145	Ventricular Tachycardia

Discussion and Justification: Captures the electrical rhythm at the time of arrival at a destination, as previously defined. Reports could examine whether this rhythm differs from the initial rhythm of the patient when encountered in the field, whether there was improvement or deterioration, etc. If an EMS responder is not equipped with electrical monitoring capability or is not of an appropriate level to assess rhythm, this field should be coded as not applicable.

Business Rules: Records submitted with an Incident Disposition involving EMS Transport must have a Final Cardiac Rhythm entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

toring is unavailable to the provider.

66. Cardiac Arrest

Name of Data Element:	Cardiac Arrest			
Priority:	Essential			
Definition:	Indication of the presence of a cardiac arrest at any time associated with the EMS event.			
National Element:	Yes			
NHTSA 2:	E11_01			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>CardiacArrest</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	0	No
	2240	Yes, Prior to EMS Arrival	2245	Yes, After EMS Arrival

Discussion and Justification: Indication of the presence of a cardiac arrest at any time associated with the EMS event. A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the occurrence of a cardiac arrest. Allows data to describe the number of cardiac arrests within the EMS patient population.

Business Rules: If answered 'Yes,...', all other data points in the Situation/CPR (E11) should be addressed.

Technical Comments:

67. Cardiac Arrest Etiology

Name of Data Element:	Cardiac Arrest Etiology		
Priority:	Essential		
Definition:	Indication of the etiology or cause of the cardiac arrest.		
National Element:	Yes		
NHTSA 2:	E11_02		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>CardiacArrestEtiology</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	2250	Presumed Cardiac
2255	Trauma	2260	Drowning
2265	Respiratory	2270	Electrocution
2275	Other		

Content: Indication of the etiology or cause of the cardiac arrest.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the occurrence of a cardiac arrest. Allows data to describe the number of cardiac arrests within the EMS patient population.

Business Rules: Complete only if Cardiac Arrest (E11_01) is 'Yes,'. Records received with a null will be marked as non-compliant if Cardiac Arrest (E11_01) is 'Yes,'. Null to be accepted when record is not appropriate.

Technical Comments:

68. Resuscitation Attempted

Name of Data Element:	Resuscitation Attempted		
Priority:	Essential		
Definition:	Indication of an attempt to resuscitate the patient who is in cardiac arrest.		
National Element:	Yes		
NHTSA 2:	E11_03		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ResuscitationAttempted</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	2280	Attempted Defibrillation
2285	Attempted Ventilation	2290	Initiated Chest Compression
2295	Not Attempted – Considered Futile	2300	Not Attempted – DNR Orders
2305	Not Attempted – Signs of Circulation		

Content: Indication of an attempt to resuscitate the patient who is in cardiac arrest.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the type of resuscitation initiated during a cardiac arrest. Allows data to describe the number of cardiac arrests within the EMS patient population, which resulted in resuscitative efforts.

Business Rules: Complete only if Cardiac Arrest (E11_01) is ‘Yes,’. Records received with a null will be marked as non-compliant if Cardiac Arrest (E11_01) is ‘Yes,’. Null to be accepted when record is not appropriate.

Technical Comments:

69. Witnessed Cardiac Arrest

Name of Data Element:	Witnessed Cardiac Arrest			
Priority:	Desirable			
Definition:	Indication of who the cardiac arrest was witnessed by			
National Element:	No			
NHTSA 2:	E11_04			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ArrestWitnessedBy</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	2310	Witnessed by Healthcare Provider
	2315	Witnessed by Lay Person	2320	Not Witnessed

Content: Documents who the cardiac arrest was witnessed by.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the Witnessed or Un-Witnessed Arrest, which is a known key element, associated with Cardiac Arrest Outcome. Allows data to describe aid, which was provided prior to EMS arrival. Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Business Rules: Complete only if Cardiac Arrest (E11_01) is 'Yes, ...'. Records received with a null will be marked as non-compliant if Cardiac Arrest (E11_01) is 'Yes, ...'. Null to be accepted when record is not appropriate.

Technical Comments:

70. Estimated Time of Arrest Prior to EMS Arrival

Name of Data Element:	Estimated Time of Arrest Prior to EMS Arrival		
Priority:	Desirable		
Definition:	The length of time the patient was down (estimated) before the responding unit arrived at the patient		
National Element:	No		
NHTSA 2:	E11_08		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ArrestWitnessedBy</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
2390	> 20 Minutes	2395	15-20 Minutes
2400	10-15 Minutes	2405	8-10 Minutes
2410	6-8 Minutes	2415	4-6 Minutes
2420	2-4 Minutes	2425	0-2 Minutes

Content: Documents the estimated time length from cardiac arrest to arrival of EMS.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

Business Rules: Complete only if Cardiac Arrest (E11_01) is 'Yes, ...'. Records received with a null will be marked as non-compliant if Cardiac Arrest (E11_01) is 'Yes, ...'. Null to be accepted when record is not appropriate.

Technical Comments: Replaces IEMSPR 1.0 field of Estimated Time of Cardiac Arrest.

71. Time/Date Resuscitation Discontinued

Name of Data Element:	Time Resuscitation Discontinued
Priority:	Desirable
Definition:	The date/time the CPR was discontinued (or could be time of death).
National Element:	No
NHTSA 2:	E11_09
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: No

Content: Time at which medical control or responding EMS unit terminated resuscitation efforts (chest compressions and CPR) in the field

Discussion and Justification: Provides information concerning the duration of CPR in the field in cases in which the patient was pronounced dead in the field.

Business Rules: Complete only if Cardiac Arrest (E11_01) is 'Yes,'. Null to be accepted when record is not appropriate.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z.

If resuscitation was not discontinued it is appropriate to not collect this data the software vendor may opt to not include the data type in the XML.

72. Any Return of Spontaneous Circulation

Name of Data Element:	Any Return of Spontaneous Circulation			
Priority:	Desirable			
Definition:	Indication whether or not there was any return of spontaneous circulation at any time during the EMS events.			
National Element:	No			
NHTSA 2:	E11_06			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ReturnOfSpontaneousCirculation</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	0	No
	2370	Yes, Prior to ED Arrival Only	2375	Yes, Prior to ED Arrival and at the ED

Content: Documents the return of spontaneous circulation during the EMS events.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the Return of Spontaneous Circulation associated with a cardiac arrest. Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response.

Business Rules: Complete only if Cardiac Arrest (E11_01) is 'Yes, ...'. Records received with a null will be marked as non-compliant if Cardiac Arrest (E11_01) is 'Yes, ...'. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: Replaces IEMSPR 1.0 field of Time Spontaneous Circulation

73. Possible Injury (Injury Present)

Name of Data Element:	Injury Present			
Priority:	Essential			
Definition:	Indicates that the reason for the EMS encounter was related to an injury or traumatic event.			
National Element:	Yes			
NHTSA 2:	E09_04			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>YesNoValue</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	0	No
	1	Yes		

Content: Indicates that the reason for the EMS encounter was related to an injury or traumatic event. This data element provides documentation to classify the EMS Reason for Encounter as either injury or non-injury related based on mechanism and not on actual injury.

Discussion and Justification: Indicates whether or not the patient sustained injury in association with the incident type. The use of this data element will allow injuries to be tracked for non-traumatic incident categories (syncopal episode with injuries from the fall) as well as traditional traumatic incidents (Motor vehicle accident, shootings, etc.). Allows EMS data at the national level to be sorted based on traumatic vs. non-traumatic despite the incident type or primary impression. Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population.

Business Rules: All records submitted must have an Injury Present entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: Can be used to determine which records should have Section E10: Situation/ Trauma completed. If Injury Present (E09_04) is "Yes", Section E10 should be completed.

-25 Not Applicable

This is coded when an incident's disposition did not involve a patient contact.

74. Cause of Injury

Name of Data Element:	Cause of Injury		
Priority:	Essential		
Definition:	External cause of injury.		
National Element:	Yes		
NHTSA 2:	E10_01		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>CauseOfInjury</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1885	Bites
9500	Aircraft Related Accident	9505	Bicycle Accident
9515	Chemical Poisoning	9520	Child Battering
9525	Drowning	9530	Drug Poisoning
9535	Electrocution (non-lighting)	9540	Excessive Cold
9545	Excessive Heat	9550	Falls
9555	Fire and Flames	9560	Firearm Assault
9565	Firearm Injury	9570	Firearm Self Inflicted
9575	Lightening	9580	Machinery Accident
9585	Mechanical Suffocation	9590	Motor Vehicle Non-traffic Accident
9595	Motor Vehicle Traffic Accident	9600	Motorcycle Accident
9605	Non-Motorized Accident	9610	Pedestrian Traffic Accident
9615	Radiation Exposure	9620	Rape
9625	Smoke Inhalation	9630	Stabbing / Cutting Accident
9635	Stabbing / Cutting Assault	9640	Stuck by Blunt / Thrown Object
9645	Venomous Stings	9650	Water Transport Accident

Content: Documents the injury cause.

Discussion and Justification: It is necessary to have a broad taxonomy for defining the external

causes of injury, and this data element is coded according to the E codes in ICD-9. However, it is recognized that the entire E code list is too cumbersome for field use, and the element may be collapsed into the categories, which have been listed above.

When possible, the E code should be defined in as much detail as is present in the E code definitions. Such codes will always be collapsible to the categories defined here, but the added detail will provide additional value to injury prevention researchers. It has been traditional to attempt to assign a single E code to individual incidents. Multiple entries, however, aids in gathering better detail about injuries, and to eliminate confusion when the EMS provider must choose between two reasonable E codes.

Business Rules: All records with Possible Injury (E09_04) marked ‘Yes’ must have a Cause of Injury entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system.. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: Complete only if Possible Injury (E09_04) is ‘Yes’.

75. Height of Fall

Name of Data Element:	Height of Fall
Priority:	Desirable
Definition:	The distance in feet the patient fell, measured from the lowest point of the patient to the ground.
National Element:	No
NHTSA 2:	E15_11
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>HeightOfFall</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: No Minimum Constraint = 1 Maximum Constraint = 50,000

Content: Distance in feet that patient is estimated to have fallen.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery. Used to better define injury cause and describe injury patterns within and EMS community.

Business Rules: Should be completed if records with Possible Injury (E09_04) marked ‘Yes’ and a fall (E15_01, value 9550) was documented. Records with an invalid entry will be marked as non-compliant by the system.

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML.

76. Intent of Injury

Name of Data Element:	Intent of Injury			
Priority:	Desirable			
Definition:	The intent of the individual inflicting the injury			
National Element:	No			
NHTSA 2:	E10_02			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>IntentOfInjury</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	2020	Intentional, Other (Assault)
	2025	Intentional, Self	2030	Unintentional (Accidental)

Content: The intent of the individual inflicting the injury.

Discussion and Justification: Identifies the intent of the injury to better determine the cause of the injury.

Business Rules: All records with Possible Injury (E09_04) marked 'Yes' must have an Intent of Injury entered. Records with missing or an invalid entry may be rejected or marked as non-compliant by the system.. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: Complete only if Possible Injury (E09_04) is 'Yes'. Records received with a null will be marked as non-compliant if Possible Injury was marked 'Yes'. Null to be accepted when record is not appropriate.

77. Number of Patient at Scene

Name of Data Element:	Number of Patients at Scene			
Priority:	Essential			
Definition:	Indicator of how many total patients were at the scene.			
National Element:	Yes			
NHTSA 2:	E08_05			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NumberOfPatientsAtScene</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	1120	None
	1125	Single	1130	Multiple

Content: Indicator of how many total patients were at the scene.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the number of patients associated with the event and resources required. Allows data to describe the number of EMS events with multiple patient encounters

Business Rules: All records submitted must have a Number of Patients at Scene entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00)

Technical Comments:

78. Mass Casualty Incident

Name of Data Element:	Mass Casualty Incident			
Priority:	Essential			
Definition:	Indicator if this event would be considered a mass casualty incident (overwhelmed existing EMS resources)			
National Element:	Yes			
NHTSA 2:	E08_06			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NumberOfPatientsAtScene</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	1120	None
	1125	Single	1130	Multiple

Content: Indicator if this event would be considered a mass casualty incident (overwhelmed existing EMS resources).

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on a Mass Casualty Event. Allows data to describe the number of EMS events, which were declared a mass casualty event and is connected with disaster and domestic preparedness.

Business Rules: All records submitted must have a Mass Causality Incident entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00)

Technical Comments:

79. EMD Performed

Name of Data Element:	EMD Performed		
Priority:	Mandatory		
Definition:	Indication of whether EMD was performed for this EMS event.		
National Element:	Yes		
NHTSA 2:	E03_02		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>EMDPerformed</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	0	No
570	Yes, With Pre-Arrival Instructions	575	Yes, Without Pre-Arrival Instructions

Content: Indication of whether EMD was performed for this EMS event.

Discussion and Justification: Allows data to be sorted by the Dispatch Complaint. Allows data to describe Patient Complaint as reported by Dispatch.

Business Rules: All records submitted must have a EMD Performed entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments:

-25 Not applicable
This is to be coded if the dispatch center is known to not have an EMD program in use.

-5 Not Available
This is to be coded if the dispatch center is known to have an EMD program in use, but the provider is unaware if EMD was performed in the incident.

80. Complaint Reported by Dispatch

Name of Data Element:	Complaint Reported by Dispatch		
Priority:	Essential		
Definition:	The primary complaint reported to or received at dispatch		
National Element:	Yes		
NHTSA 2:	E03_01		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ComplaintReportedByDispatch</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	400	Abdominal
405	Allergies	410	Animal Bite
415	Assault	420	Back Pain
425	Breathing Problem	430	Burns
435	CO Poisoning/Hazmat	440	Cardiac Arrest
445	Chest Pain	450	Choking
455	Convulsions/Seizures	460	Diabetic Problem
465	Drowning	470	Electrocution
475	Eye Problem	480	Fall Victim
485	Headache	490	Heart Problem
495	Heat/Cold Exposure	500	Hemorrhage/Laceration
505	Industrial Accident/Inaccessible Incident/Other Entrapment (non-vehicle)	510	Ingestion/Poisoning
515	Pregnancy/Childbirth	520	Psychiatric Problem
525	Sick Problem	530	Stab/Gunshot Wound
535	Stroke/CVA	540	Traffic Accident
545	Traumatic Injury	550	Unconscious Fainting
555	Unknown Problem Man Down	560	Transfer/Interfacility/Palliative Care
565	Mass Casualty Incident		

Content: The primary complaint received by responding unit at dispatch.

Discussion and Justification: This data element is intended to capture the information provided to or obtained by the PSAP or dispatch center and transmitted to the EMS responder.

Business Rules: All records submitted must have a Complaint Reported by Dispatch entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments:

-10 *Not Known*

This is to be coded if no complaint was reported at dispatch or if the complaint was for an unknown problem. This is not to be used if self dispatched or alerted by other means and the reporter is aware of the type of problem they are responding to.

81. Primary Symptom

Name of Data Element:	Primary Symptom Present		
Priority:	Essential		
Definition:	Signs and symptoms reported to or observed by provider.		
National Element:	Yes		
NHTSA 2:	E09_13		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>PrimarySymptom</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1405	Bleeding
1410	Breathing Problem	1415	Change in Responsiveness
1420	Choking	1425	Death
1430	Device/Equipment Failure	1435	Diarrhea
1440	Drainage / Discharge	1445	Fever
1450	Malaise	1455	Mass / Lesion
1460	Mental / Psych	1465	Nausea / Vomiting
1470	None	1475	Pain
1480	Palpitations	1485	Rash /Itching
1490	Swelling	1495	Transport Only
1500	Weakness	1505	Wound

Content: The primary sign and symptom present or observed by the provider.

Discussion and Justification: This data element is intended to capture the information provided to or obtained by the EMS responder in order to assess the patient. It is intended that these signs and symptoms be correlated with the clinical impression of the responder. This would help EMS managers plan educational programs for the responders.

Business Rules: All records submitted must have a Primary Symptom Present entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the common null rules (E00).

Technical Comments: None.

82. Other Associated Symptoms

Name of Data Element:	Other Associated Symptoms		
Priority:	Essential		
Definition:	Other symptoms reported to or observed by provider.		
National Element:	Yes		
NHTSA 2:	E09_14		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>OtherAssociatedSymptoms</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1510	Bleeding
1515	Breathing Problem	1520	Change in Responsiveness
1525	Choking	1530	Death
1535	Device/Equipment Failure	1540	Diarrhea
1545	Drainage / Discharge	1550	Fever
1555	Malaise	1560	Mass / Lesion
1565	Mental / Psych	1570	Nausea / Vomiting
1575	None	1580	Pain
1585	Palpitations	1590	Rash /Itching
1595	Swelling	1600	Transport Only
1605	Weakness	1610	Wound

Content: List any other symptom present or observed by the provider

Discussion and Justification: This data element is intended to capture the information provided to or obtained by the EMS responder in order to assess the patient. It is intended that these signs and symptoms be correlated with the clinical impression of the responder. This would help EMS managers plan educational programs for the responders.

Business Rules: All records submitted must have an Other Associated Symptom entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the common null rules (E00).

Technical Comments: None.

83. Provider Impression

Name of Data Element:	Provider Primary Impression		
Priority:	Essential		
Definition:	Provider's clinical impression, which led to the management given to the patient (treatments, medications, procedures).		
National Element:	Yes		
NHTSA 2:	E09_15		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ProvidersPrimaryImpression</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1615	Abdominal pain / problem
1620	Airway Obstruction	1625	Allergic reaction
1630	Altered Level of Consciousness	1635	Behavior / Psychiatric disorder
1640	Cardiac Arrest	1645	Cardiac Rhythm Disturbance
1650	Chest Pain / Discomfort	1655	Diabetic symptoms (hypoglycemia)
1660	Electrocution	1665	Hyperthermia
1670	Hypothermia	1675	Hypovolemia / Shock
1680	Inhalation Injury (Toxic gas)	1685	Obvious Death
1690	Poisoning / drug ingestion	1695	Pregnancy / OB delivery
1700	Respiratory Distress	1705	Respiratory Arrest
1710	Seizure	1715	Sexual Assault / Rape
1720	Smoke Inhalation	1725	Stings / Venomous bites
1730	Stroke / CVA	1735	Syncope / Fainting
1740	Traumatic injury	1745	Vaginal Hemorrhage

Content: The provider's impression of the patient's primary problem or most significant condition which led to the EMS management of the patient.

Discussion and Justification: This data element contains the single clinical assessment, which primarily drove the actions of the EMS responder. It should be possible to determine whether the treatments or medications provided match protocols, which relate to the clinical impression. When more than one choice is applicable to a patient, the responder should indicate the single most important clinical assessment that drove most of the plan of therapy and management.

It should be noted that this coding system differs from current systems. For instance, many EMS data sets include the entity, Animal Bite. In the uniform data set, such an entry should be coded in this field as a Traumatic Injury. The site of injury should be indicated in the injury field described later in this dictionary, showing the type (laceration or puncture) and site of the bite itself. In addition, the Cause of Injury should be coded as E906.x as discussed under the data element, Cause of Injury. For another example, Sexual Assault is coded in this data element in the same manner as a Traumatic Injury, but the Cause of Injury would be coded as E960.1, and Injury Intent would be coded as intentional. The reason for using this approach is to avoid overlapping, duplicative codes, which are not attached to a general taxonomy such as ICD9. Such codes would become agency specific and would not be flexible enough to permit combining data from different agencies. This list is comprised of the Federal Register Condition Codes.

Business Rules: All records submitted must have an Provider Primary Impression entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the common null rules (E00).

Technical Comments: None.

84. Providers Secondary Impression

Name of Data Element:	Provider's Secondary Impression		
Priority:	Essential		
Definition:	The EMS personnel's impression of the patient's secondary problem or which led to the management given to the patient.		
National Element:	Yes		
NHTSA 2:	E09_16		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ProvidersSecondaryImpression</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1750	Abdominal pain / problem
1755	Airway Obstruction	1760	Allergic reaction
1765	Altered Level of Consciousness	1770	Behavior / Psychiatric disorder
1775	Cardiac Arrest	1780	Cardiac Rhythm Disturbance
1785	Chest Pain / Discomfort	1790	Diabetic symptoms (hypoglycemia)
1795	Electrocution	1800	Hyperthermia
1805	Hypothermia	1810	Hypovolemia / Shock
1815	Inhalation Injury (Toxic gas)	1820	Obvious Death
1825	Poisoning / drug ingestion	1830	Pregnancy / OB delivery
1835	Respiratory Distress	1840	Respiratory Arrest
1845	Seizure	1850	Sexual Assault / Rape
1855	Smoke Inhalation	1860	Stings / Venomous bites
1865	Stroke / CVA	1870	Syncope / Fainting
1875	Traumatic injury	1880	Vaginal Hemorrhage

Content: The provider's impression of the patient's secondary problem or condition, which led to the EMS management of the patient.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the EMS personnel's clinical impression. Allows data to describe the EMS patient population based on EMS personnel impression of the EMS patient's problem.

Business Rules: All records submitted must have a Provider's Secondary Impression entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the common null rules (E00).

Technical Comments: None.

85. Chief Complaint Organ System

Name of Data Element:	Chief Complaint Organ System		
Priority:	Essential		
Definition:	The primary organ system of the patient injured or medically affected.		
National Element:	Yes		
NHTSA 2:	E09_12		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ComplaintOrganSystem</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	1350	Cardiovascular
1355	CNS/Neuro	1360	Endocrine/Metabolic
1365	GI	1370	Global
1375	Musculoskeletal	1380	OB/Gyn
1385	Psych	1390	Pulmonary
1395	Renal	1400	Skin

Content: The primary organ system of the patient injured or medically affected.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the number of patients associated with the event and resources required. Allows data to describe the number of EMS events with multiple patient encounters. A component of the EMS Medical Record: Patient Care Report. Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population. Possible Injury (E09_04), Chief Complaint Anatomic Location (E09_11), Chief Complaint Organ System (E09_12), and Primary Symptom (E09_13) are required to calculate the Reason for Encounter.

Business Rules: All records submitted must have a Chief Complaint Organ System entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the common null rules (E00).

Technical Comments: This is to be completed by EMS personnel with a minimum of an EMT-Paramedic level of credentialing.

-25 Not Applicable

At the time of the report documentation, information requested was “Not Applicable” to the incident. This indicates that it is unnecessary to document this element if the EMS personnel’s level of credentialing is not an EMT-Paramedic or higher .

86. Alcohol / Drug Use Indicators

Name of Data Element:	Alcohol / Drug Use Indicators		
Priority:	Essential		
Definition:	Indicator for the potential use of Alcohol or Drugs by the patient.		
National Element:	Yes		
NHTSA 2:	E12_19		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>AlcoholDrugUseIndicators</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
2985	Smell of Alcohol on Breath	2990	Patient Admits to Alcohol Use
2995	Patient Admits to Drug Use	1150	Industrial Place and Premise
1155	Place of Recreation or Sport	3000	Alcohol and/or Drug Paraphernalia at Scene

Content: Identifies if any indicators of Alcohol or Drug use was noted with the care of the patient or at the incident.

Discussion and Justification: Important data element for injury research, permitting reports of value to public health researchers and policy makers.

Business Rules: All records submitted must have a Alcohol/Drug Use Indicators entered. Records with missing or an invalid entry will be rejected by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the common null rules (E00).

Technical Comments: Should be coded as yes whenever the EMS responder suspect's alcohol or drug use by the patient may have contributed to the incident. The uses of drugs or alcohol in isolation have been coded individually for epidemiological purposes and specific use should be coded appropriately when possible.

-10 Not Known

Not known documents that there was an attempt to obtain information but it was unknown by all parties involved.

-25 Not Applicable

Not applicable should be used when there is no patient, such as in a standby response. If alcohol or drugs are totally unrelated to the incident, this field should be coded as no.

87. Injury Matrix External / Skin

Name of Data Element:	NTHSA Injury Matrix External /Skin		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the external body/Skin (including burns)		
National Element:	No		
NHTSA 2:	E15_01		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the external body or skin.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

This is a crucial data element, which will enable EMS planners to know what types of injuries are incurred by patients using the EMS system. The data element will also be of value in assessing the correspondence between injury assessment in the field and actual injuries as evaluated in medical facilities. A major reason for using ISS related body sites is the ability to compare the hospital inpatient ISS areas with those indicated by the prehospital provider.

It is understood that various levels of providers will be permitted to make injury assessments at different levels of sophistication. For example, the diagnosis of fracture is considered out of

scope for many prehospital responders. In this case, a term might be added for swelling, or some other marker by which an EMS responder is supposed to suspect a fracture or dislocation. It is stressed that this data element is supposed to reflect the clinical impression of injury by the EMS responder, not necessarily the final, correct medical diagnosis.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

88. Injury Matrix Head

Name of Data Element:	NTHSA Injury Matrix Head		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Head (excluding face, neck, cervical spine, and ear)		
National Element:	No		
NHTSA 2:	E15_02		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the head.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

89. Injury Matrix Face

Name of Data Element:	NTHSA Injury Matrix Face		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Face (including ear).		
National Element:	No		
NHTSA 2:	E15_03		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the face.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

90. Injury Matrix Neck

Name of Data Element:	NTHSA Injury Matrix Neck		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Neck		
National Element:	No		
NHTSA 2:	E15_04		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the neck.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

91. Injury Matrix Thorax

Name of Data Element:	NTHSA Injury Matrix Thorax		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Thorax (excluding the thoracic spine)		
National Element:	No		
NHTSA 2:	E15_05		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the thorax.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

92. Injury Matrix Abdomen

Name of Data Element:	NTHSA Injury Matrix Abdomen		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Abdomen (excluding the lumbar spine)		
National Element:	No		
NHTSA 2:	E15_06		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the abdomen.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

93. Injury Matrix Spine

Name of Data Element:	NTHSA Injury Matrix Spine		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Spine		
National Element:	No		
NHTSA 2:	E15_07		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the spine.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

94. Injury Matrix Upper Extremities

Name of Data Element:	NTHSA Injury Matrix Upper Extremities		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Upper Extremities		
National Element:	No		
NHTSA 2:	E15_08		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the upper extremities.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

95. Injury Matrix Pelvis

Name of Data Element:	NTHSA Injury Matrix Pelvis		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Pelvis		
National Element:	No		
NHTSA 2:	E15_09		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the pelvis.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

96. Injury Matrix Lower Extremities

Name of Data Element:	NTHSA Injury Matrix Lower Extremities		
Priority:	Desirable		
Definition:	Type of injury identified and associated with the Lower Extremities		
National Element:	No		
NHTSA 2:	E15_10		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on the lower extremities.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

97. Injury Matrix Unspecified

Name of Data Element:	NTHSA Injury Matrix Unspecified		
Priority:	Desirable		
Definition:	Type of injury identified and associated with Unspecified		
National Element:	No		
NHTSA 2:	E15_11		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NTHSAInjuryMatrix</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	3320	Amputation
3325	Bleeding Controlled	3330	Bleeding Uncontrolled
3335	Burn	3340	Crush
3345	Dislocation / Fracture	3350	Gunshot
3355	Laceration	3360	Pain w/o Swelling/Bruising
3365	Puncture / Stab	3370	Soft Tissue with Swelling/Bruising

Content: Matrix of injuries noted on a previously unspecified area.

Discussion and Justification: Part of an EMS Medical Record. Provides documentation of Assessment and Care. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: Records with an invalid entry will be marked as non-compliant by the system. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00).

Technical Comments: If the incident is appropriate to not collect this data the software vendor may opt to not include the data type in the XML, or submit Null values, or submit the common null values (E00).

98. Safety Devices

Name of Data Element:	Safety Devices (Use of Occupant Safety Equipment)		
Priority:	Essential		
Definition:	Safety equipment in use by patient at time of injury.		
National Element:	No		
NHTSA 2:	E10_08		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>UseOfOccupantSafetyEquipment</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
2170	Child Restraint	2175	Eye Protection
2180	Helmet Worn	2185	Lap Belt
2187	None	2190	Place of Recreation or Sport
2195	Personal Flotation Device	2200	Protective Clothing
2205	Protective Non-Clothing Gear	2210	Shoulder Belt

Content: List the safety equipment used by the patient at time of injury.

Discussion and Justification: Provides important information about safety device use in motor vehicle accidents, boating accidents, and industrial accidents with eye injuries. Data will be of use for corroboration of police reports concerning crashes.

Business Rules: Complete only if Possible Injury (E09_04) is 'Yes'. Records received with a null will be marked as non-compliant if Possible Injury was marked 'Yes'. Null to be accepted when record is not appropriate.

Technical Comments: If the EMS responder knows that no safety device was employed, then the data element should be coded as none. If none of the indicated devices was used, the element

should also be coded as none.

-25 *Not Applicable*

This is to be coded when no safety devices were indicated based on the nature of the call. This is not to be used if no patient contact was made.

99. Airbag Deployment

Name of Data Element:	Airbag Deployment		
Priority:	Essential		
Definition:	Indication of airbag deployment during the motor vehicle crash.		
National Element:	No		
NHTSA 2:	E10_09		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>AirBagDeployment</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	2215	No Airbag Present
2220	No Airbag Deployed	2225	Airbag Deployed Front
2230	Airbag Deployed Side	2235	Airbag Deployed Other

Content: Documents the deployment of airbags in the patient vehicle during a motor vehicle crash.

Discussion and Justification: Provides important information about airbag use and deployment in motor vehicle accidents. Data will be of use for corroboration of police reports concerning crashes.

Business Rules: Complete only if Possible Injury (E09_04) is 'Yes'. Records received with a null will be marked as non-compliant if Possible Injury was marked 'Yes'. Null to be accepted when record is not appropriate.

Technical Comments: If the EMS responder knows that no airbag device was present, then the data element should be coded as No Airbag Present. If the airbag was present but not deployed then the element should be coded as No Airbag Deployed.

-25 Not Applicable

This is to be coded when Possible Injury is 'Yes' and no airbag deployment were indicated based on the nature of the call. This is not to be used if Possible Injury is 'No'.

100. Motor Vehicle Impact

Name of Data Element:	Motor Vehicle Impact (Area of Vehicle Impacted by Collision)		
Priority:	Essential		
Definition:	Motor Vehicle Impact site during collision.		
National Element:	No		
NHTSA 2:	E10_05		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>AreaOfVehicleImpact</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	2100	Center Front
2105	Center Rear	2110	Left Front
2115	Left Rear	2120	Left Side
2125	Right Front	2130	Right Rear
2135	Right Side	2140	Roll Over

Content: Documents the site of impact during a motor vehicle collision.

Discussion and Justification: This data element provides information about the site of collision during a Motor Vehicle Impact, which can be used to predict injury patterns and define injury cause. Data will be used for corroboration of police reports concerning crashes.

Business Rules: Complete only if Possible Injury (E09_04) is 'Yes'. Records received with a null will be marked as non-compliant if Possible Injury was marked 'Yes'. Null to be accepted when record is not appropriate.

Technical Comments:

-25 Not Applicable

This is to be coded when Possible Injury is 'Yes' and no Motor Vehicle Impact were indicated based on the nature of the call. This is not to be used if Possible Injury is 'No'.

101. Injury Indicators

Name of Data Element:	Injury Indicators		
Priority:	Essential		
Definition:	The kind of risk factor predictors associated with the vehicle involved in the incident.		
National Element:	No		
NHTSA 2:	E10_04		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>VehicularInjuryIndicators</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	2055	Dash Deformity
2060	DOA Same Vehicle	2065	Ejection
2070	Fire	2075	Rollover / Roof Deformity
2080	Side Post Deformity	2085	Space Intrusion >1 foot
2090	Steering Wheel Deformity	2095	Windshield Spider/Star

Content: This data element is coded as a 2-position field that provides risk factor predictors present at the incident. Up to 3 Injury Indicators can be selected.

Discussion and Justification: This data element provides information about the Injury Indicators during a motor vehicle collision, which can be used to predict injury patterns and define injury cause. Data will be used for corroboration of police reports concerning crashes.

Business Rules: Complete only if Possible Injury (E09_04) is 'Yes'. Records received with a null will be marked as non-compliant if Possible Injury was marked 'Yes'. Null to be accepted when record is not appropriate.

Technical Comments:

-25 *Not Applicable*

This is to be coded when Possible Injury is 'Yes' and no Injury Indicators applied. This is not to be used if the field is not appropriate for the incident.

102. Seat Row Location of Patient in Vehicle

Name of Data Element:	Seat Row Location of Patient in Vehicle
Priority:	Desirable
Definition:	The seat row location of the patient in vehicle at the time of the crash with the front seat numbered as 1.
National Element:	No
NHTSA 2:	E10_07
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>SeatRowLocation</i> Multiple Entry Configuration: No Accepts Null Values: no Required in XSD: No Minimum Constraint: 1 Maximum Constraint: 50 If a value of 50 is passed, the location is designated "Cargo Area".

Content: The seat row location of the patient in vehicle at the time of the crash with the front seat numbered as 1.

Discussion and Justification: This data element provides information about the location of a patient during a motor vehicle collision, which can be used to predict injury patterns and define injury cause. Data will be used for corroboration of police reports concerning crashes.

Business Rules: Complete only if Possible Injury (E09_04) is 'Yes'. Records received with a null will be marked as non-compliant if Possible Injury was marked 'Yes'. Null to be accepted when record is not appropriate.

Technical Comments: Complete only if Possible Injury (E09_04) is "Yes". Numbered to take into account large vehicles such as buses or vans (1 = Front) or (Cargo Area = 50).

-25 *Not Applicable*

This is to be coded when Possible Injury is 'Yes' and no Seat Row Location applied. This is not to be used if the field is not appropriate for the incident.

103. Position of Patient in the Seat of the Vehicle

Name of Data Element:	Position of Patient in the Seat of the Vehicle		
Priority:	Desirable		
Definition:	The position of the patient in seat of the vehicle at the time of the crash.		
National Element:	No		
NHTSA 2:	E10_07		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>PositionOfPatientInSeat</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	2145	Driver
2150	Left (non-driver)	2155	Middle
2160	Other	2165	Right

Content: Documents the seat position a patient was in during a collision.

Discussion and Justification: This data element provides information about the seat location of a patient during a motor vehicle collision, which can be used to predict injury patterns and define injury cause. Data will be used for corroboration of police reports concerning crashes.

Business Rules: Complete only if Possible Injury (E09_04) is 'Yes'. Records received with a null will be marked as non-compliant if Possible Injury was marked 'Yes'. Null to be accepted when record is not appropriate.

Technical Comments:

-25 *Not Applicable*

This is to be coded when Possible Injury is 'Yes' and no Seat Position applied. This is not to be used if the field is not appropriate for the incident.

104. Procedure – Date/Time Performed

Name of Data Element:	Procedure – Date/Time Performed
Priority:	Desirable
Definition:	The date and time the procedure was performed on the patient.
National Element:	No
NHTSA 2:	E19_01
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: No

Content: Time and date the procedure was performed.

Discussion and Justification: Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: All records must have a Procedure Successful value entered for any procedure reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.0Z

105. Procedure – Crewmember Certification Number

Name of Data Element:	Procedure Crewmember Certification Number			
Priority:	Essential			
Definition:	The statewide assigned certification / licensure number of the EMS crewmember performing the procedure on the patient.			
National Element:	No			
NHTSA 2:	E19_09			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>CrewMemberID</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes, via structure Required in XSD: No Minimum Constraint = 2 Maximum Constraint = 15			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available		Relevant value

Content: The crewmember's certification/license number who performed the skill

Discussion and Justification: Part of an EMS Medical Record and to document the Procedure performance. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: All records must have a Procedure Crewmember Certification Number value entered for any procedure reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system

Technical Comments: XSD Structure: Members of E19_01_0 Procedure Structure. The Procedure Crewmember Certification Number entered must be present in the record in section E04_01.

106. Procedure or Treatment Name

Name of Data Element:	Procedure or Treatment Name		
Priority:	Essential		
Definition:	Identification of crewmember position and the procedure they attempted or performed on patient.		
National Element:	Yes		
NHTSA 2:	E19_03		
XML:	XSD Data Type: <i>xs:decimal</i> XSD Domain (Simple Type): <i>Procedure</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint: 1 Maximum Constraint: 1000		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	77.000	Not Listed
89.820	12 Lead EKG	93.930	Airway-Bagged
93.931	Airway-BVM	97.230	Airway-Change Tracheotomy Tube
98.130	Airway-Cleared	96.051	Airway-Combitube
93.900	Airway-CPAP	96.030	Airway-EOA/EGTA
96.991	Airway-Intubation Confirm CO2	96.992	Airway-Intubation Confirm Esophageal Bulb
96.052	Airway-Laryngeal Mask	96.010	Airway-Nasal
96.041	Airway-Nasotracheal Intubation	93.940	Airway-Nebulizer Treatment
31.110	Airway-Needle Cricothyrotomy	96.020	Airway-Oral
96.040	Airway-Orotracheal Intubation	96.790	Airway-PEEP
96.042	Airway-Rapid Sequence Induction	93.910	Airway-Respirator Operation (BLS)
98.150	Airway-Suctioning	31.120	Airway-Surgical Cricothyrotomy
96.700	Airway-Ventilator Operation	96.701	Airway-Ventilator with PEEP
38.910	Arterial Blood Draw	89.610	Arterial Line Maintenance

89.700	Assessment-Adult	89.701	Assessment-Pediatric
38.995	Blood Glucose Analysis	89.391	Capnography
89.510	Cardiac Monitor	99.624	Cardiac Pacing-External
99.626	Cardiac Pacing-Transvenous	99.623	Cardioversion
99.640	Carotid Massage	34.041	Chest Decompression
34.042	Chest Tube Placement	73.590	Childbirth
1.181	CNS Catheter-Epidural Maintenance	1.182	CNS Catheter-Intraventricular Maintenance
99.600	CPR	99.601	CPR by External Automated Device
86.280	Decontamination	99.621	Defibrillation-Automated (AED)
99.622	Defibrillation-Manual	99.625	Defibrillation-Placement for Monitoring/Analysis
100.200	Extrication	99.290	Injections-SQ/IM
37.611	Intra-Aortic Balloon Pump	93.580	MAST
96.070	Nasogastric Tube Insertion	89.590	Orthostatic Blood Pressure Measurement
89.702	Pain Measurement	89.392	Pulse Oximetry
100.100	Rescue	99.841	Restraints-Pharmacological
99.842	Restraints-Physical	93.591	Spinal Immobilization
93.540	Splinting-Basic	93.450	Splinting-Traction
89.703	Temperature Measurement	89.704	Thrombolytic Screen
57.940	Urinary Catheterization	38.990	Venous Access-Blood Draw
89.620	Venous Access-Central Line Maintenance	39.997	Venous Access-Discontinue
38.991	Venous Access-Existing Catheter	38.993	Venous Access-External Jugular Line
38.992	Venous Access-Extremity	38.994	Venous Access-Femoral Line
39.995	Venous Access-Internal Jugular Line	41.920	Venous Access-Intraosseous Adult
41.921	Venous Access-Intraosseous Pediatric	39.996	Venous Access-Subclavian Line
89.640	Venous Access-Swan Ganz Maintenance	93.057	Wound Care

Content: The procedure performed on the patient.

Discussion and Justification: Allows data to be sorted based on the medical treatment. Allows data to describe the procedures that are performed by EMS. Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Intended to provide planners and educators with information about which procedures are conducted in the field, by whom, and for what indications. Procedures are defined here as anything done by way of assessment or treatment of the patient. Thus, application of a cervical collar is a treatment, use of a cardiac monitor is a tool of assessment, and drawing blood tubes is neither a specific treatment nor a means of field assessment. All of these would be considered procedures for purposes of this data element.

The Iowa State Office of EMS derived this list to track recognized procedures and treatments occurring in the field. Agencies should identify other procedures not listed as 'Other'.

Business Rules: All records must have a Procedure value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be rejected by the system.

Technical Comments: XSD Structure: Members of E19_01_0 Procedure Structure.

77.000 Other

This is to be coded when a crewmember does a procedure not listed in the data item list.

-25 Not Applicable

This is to be coded if a patient was encountered and did not receive any procedures or treatment. This is not to be used if no patient was encountered or the incident does not require entry of a procedure or treatment. When used this should be the only code submitted in the field.

107. Procedure Successful

Name of Data Element:	Procedure Successful			
Priority:	Essential			
Definition:	Indication of whether or not the procedure performed on the patient was successful			
National Element:	Yes			
NHTSA 2:	E19_06			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>YesNoValue</i> Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes Required in XSD: Yes			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	0	No
	1	Yes		

Content: Documents if a procedure was completed successfully.

Discussion and Justification: Allows data to be sorted based on the medical treatment. Allows data to describe the procedures performed by EMS with respect to numbers and success rates. Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: All records must have a Procedure Successful value entered for any procedure reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system.

Technical Comments: XSD Structure: Members of E19_01_0 Procedure Structure.

-25 Not applicable
This is to be coded if a procedure performed is such that Successfulness cannot be identified.

108. Number of Procedure Attempts

Name of Data Element:	Number of Procedure Attempts			
Priority:	Essential			
Definition:	The number of attempts taken to complete a procedure or intervention regardless of success.			
National Element:	Yes			
NHTSA 2:	E19_05			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>NumberOfProcedureAttempts</i> Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes Required in XSD: Yes			
Field Values:				
	-25	Not Applicable	-20	Not Recorded
	-15	Not Reporting	-10	Not Known
	-5	Not Available	0-100	Actual Number

Content: The number of attempts taken to complete a procedure or intervention regardless of success

Discussion and Justification: Allows data to describe the procedures, which are performed by EMS. Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: All records must have a Number of Procedure Attempts value entered for any procedure reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system.

Technical Comments: XSD Structure: Members of E19_01_0 Procedure Structure.

-25 Not applicable
This is to be coded if a procedure performed is such that Attempts are not documented.

109. Procedure Complications

Name of Data Element:	Procedure Complications		
Priority:	Essential		
Definition:	Any complication associated with the performance of the procedure on the patient by EMS.		
National Element:	Yes		
NHTSA 2:	E19_07		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>ProcedureComplication</i> Multiple Entry Configuration: Yes, via structure. Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	4500	None
4505	Altered Mental Status	4510	Apnea
4515	Bleeding	4520	Bradycardia
4525	Diarrhea	4530	Esophageal Intubation – immediately
4535	Esophageal Intubation-other	4540	Extravasation
4545	Hypertension	4550	Hyperthermia
4555	Hypotension	4560	Hypoxia
4565	Injury	4570	Itching/Urticaria
4575	Nausea	4580	Other
4585	Respiratory Distress	4590	Tachycardia
4595	Vomiting		

Content: Any complication associated with the performance of the procedure on the patient by EMS.

Discussion and Justification: Allows data to be sorted based on procedure complication. Allows data to describe procedure complications, which occur as a result of EMS treatment as part of a federal initiative to identify and reduce medical errors. Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance

Business Rules: All records must have a Procedure Complications value entered for any procedure reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system.

Technical Comments: XSD Structure: Members of E19_01_0 Procedure Structure.

-25 Not applicable

This is to be coded if a procedure performed is such that Procedure Complications are not documented.

110. Procedure Authorization

Name of Data Element:	Procedure Authorization		
Priority:	Desirable		
Definition:	The type of procedure authorization obtained		
National Element:	No		
NHTSA 2:	E19_10		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): Procedure Authorization Multiple Entry Configuration: Yes, via structure. Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
4615	On-Line	4620	On Scene
4625	Protocol (Standing Order)	4630	Written Orders (Patient Specific)

Content: Documents the type of authorization obtained to perform the procedure

Discussion and Justification: Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance

Business Rules: All records must have a Procedure Authorization value entered for any procedure reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system.

Technical Comments: XSD Structure: Members of E19_01_0 Procedure Structure.

-25 Not applicable

This is to be coded if a procedure performed is such that Procedure Authorization is not documented.

111. Medication – Date/Time Administered

Name of Data Element:	Medication – Date/Time Administered
Priority:	Desirable
Definition:	The date/time medication administered to the patient
National Element:	No
NHTSA 2:	E18_01
XML:	XSD Data Type: <i>xs:datetime</i> XSD Domain (Simple Type): <i>DateTime</i> Multiple Entry Configuration: No Accepts Null Values: Yes, null value is blank or empty Required in XSD: No

Content: Time and date the medication was administered.

Discussion and Justification: Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: All records must have a Medication – Date/Time Administered value entered for any medication administration reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system.

Technical Comments: Date and times are to be transmitted using Greenwich Meantime (ref: NHTSA Dataset and XSD change log 2.2.1, March 31, 2006). Format example, 2006-04-04T08:05:00.OZ

112. Medication – Crewmember Certification Number

Name of Data Element:	Medication Crewmember Certification Number		
Priority:	Essential		
Definition:	The statewide assigned ID number of the EMS crew member giving the treatment to the patient		
National Element:	No		
NHTSA 2:	E18_09		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>CrewMemberID</i> Multiple Entry Configuration: Yes Accepts Null Values: Yes, via structure Required in XSD: No Minimum Constraint = 2 Maximum Constraint = 15		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		Relevant value

Content: The crewmember's certification/license number who administered the medication.

Discussion and Justification: Part of an EMS Medical Record and to document the medication administration. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: All records must have a Medication Crewmember Certification Number value entered for any medication administration reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system

Technical Comments: XSD Structure: Members of E18 Medication Structure. The Procedure Crewmember Certification Number entered must be present in the record in section E04_01.

113. Medication Name

Name of Data Element:	Medication Name		
Priority:	Essential		
Definition:	The medication given to the patient.		
National Element:	Yes, modified		
NHTSA 2:	E18_03		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>MedicationGiven</i> Multiple Entry Configuration: Yes, via structure. Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint = 2 Maximum Constraint = 30		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		Relevant indexes from Appendix D
Refer to Appendix D			

Content: Document the medication administered to the patient.

Discussion and Justification: Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Intended to provide planners and educators with information about which drugs are administered in the field, by whom, and for what indications. It is likely that each responder agency will have its own list of drugs, which are carried by the response vehicles, and this list should be used for the data collection efforts of that agency. The Iowa Department of Public Health, Bureau of EMS derived this list to track recognized the current state approved list of medications being used in the field. It is not expected that every agency will permit its providers to use or carry all these drugs. Agencies that administer medications not listed should mark those as 'Other'.

Business Rules: All records must have a Medication Name value entered. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be rejected by the system.

Technical Comments: At this time a national drug index or coding scheme, which would allow for a single code to be assigned to a single drug, does not exist. The Drug List may contain any generic or trade name of a drug approved by the FDA and administered by EMS. The transmission of a drug name as a string presents to be problematic in the proper collection of data. NEMSIS failed to provide a proper medication numbering schema for the accurate collection of medication data.

****The Iowa Department of Public Health, Bureau of EMS derived this medication list with indexes to improve the reporting capability. It is expected that software vendors submit the corresponding medication index value and not send the medication name. The XML/XSD schema will not change, it will allow for the substitution of index value instead of name for this element.**

77 Other

This is to be coded for the medication when a crewmember administers a medication not listed in the data item list.

-25 Not Applicable

This is to be coded if an incident was encountered and there was no need to administer any medications.

114. Medication Complications

Name of Data Element:	Medication Complications		
Priority:	Essential		
Definition:	Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS.		
National Element:	Yes		
NHTSA 2:	E18_08		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>MedicationComplication</i> Multiple Entry Configuration: Yes, via structure. Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	4390	None
4395	Altered Mental Status	4400	Apnea
4405	Bleeding	4410	Bradycardia
4415	Diarrhea	4420	Extravasation
4425	Hypertension	4430	Hyperthermia
4435	Hypotension	4440	Hypoxia
4445	Injury	4450	Itching/Urticaria
4455	Nausea	4460	Other
4465	Respiratory Distress	4470	Tachycardia
4475	Vomiting		

Content: Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS.

Discussion and Justification: Allows data to be sorted based on medication complication. Allows data to describe medication complications, which occur as a result of EMS treatment. Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance.

Business Rules: All records must have a Medication Complications value entered for any medication administration reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an

invalid entry will be marked as non-compliant by the system.

Technical Comments: XSD Structure: Members of E18 Medication Structure.

-25 Not applicable

This is to be coded if a medication administered is such that Medication Complications are not documented.

115. Medication Authorization

Name of Data Element:	Medication Authorization		
Priority:	Desirable		
Definition:	The type of medication administration authorization obtained		
National Element:	No		
NHTSA 2:	E18_10		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): MedicationAuthorization Multiple Entry Configuration: Yes, via structure. Accepts Null Values: Yes Required in XSD: No		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available		
4480	On-Line	4485	On Scene
4490	Protocol (Standing Order)	4495	Written Orders (Patient Specific)

Content: Documents the type of authorization obtained to administer the medication.

Discussion and Justification: Part of an EMS Medical Record. Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools. Used in Quality Management for the evaluation of Care and EMS Agency Performance

Business Rules: All records must have a Medication Authorization value entered for any medication reported. If the incident is appropriate to not report this data element, then this element would be submitted following the null rules (E00). Records with missing or an invalid entry will be marked as non-compliant by the system.

Technical Comments: XSD Structure: Members of E18 Medication Structure.

-25 Not applicable

This is to be coded if a procedure performed is such that Medication Authorization is not documented.

116. Primary Method of Payment

Name of Data Element:	Primary Method of Payment		
Priority:	Essential		
Definition:	The primary method of payment or type of insurance associated with this EMS encounter.		
National Element:	Yes		
NHTSA 2:	E07_01		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>PrimaryMethodOfPayment</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	720	Insurance
725	Medicaid	730	Medicare
735	Not Billed (for any reason)	740	Other Government
745	Self Pay	750	Workers Compensation

Content: The primary method of payment or type of insurance associated with this EMS encounter.

Discussion and Justification: A component of the EMS Medical Record: Patient Care Report. Allows data to be sorted based on the payer mix. Allows data to describe the EMS patient population's payer mix. Maybe collected electronically through linkage with a pre-existing Patient Care Report or hospital database.

Business Rules: All records submitted must have a Primary Method of Payment entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: If the provider or submitting software is unaware of this information then the element should be submitted with one of the above listed NEMESIS Section E00 (Common Null) field values.

117. Condition Code Number

Name of Data Element:	Condition Code Number		
Priority:	Essential		
Definition:	The condition codes are used to better describe the service and patient care delivery by an EMS service. Please consult CMS documentation for detailed descriptions of these condition codes and their use.		
National Element:	Yes		
NHTSA 2:	E07_35		
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>ConditionCodeNumber</i> Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 30		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	8001	Severe Abdominal Pain
8002	Abdominal Pain (ALS-789.00)	8003	Abnormal Cardiac Rhythm/Cardiac Dysrhythmia (ALS-427.9)
8004	Abnormal Skin Signs (ALS-780.8)	8005	Abnormal Vital Signs (ALS-796.4)
8006	Allergic Reaction (ALS-995.0)	8007	Allergic Reaction (BLS-692.9)
8008	Blood Glucose (ALS-790.21)	8009	Respiratory Arrest (ALS-799.1)
8010	Difficulty Breathing (ALS-786.05)	8011	Cardiac Arrest-Resuscitation in Progress (ALS-427.5)
8012	Chest Pain (non-traumatic) (ALS-786.50)	8013	Choking Episode (ALS-784.9)
8014	Cold Exposure (ALS-991.6)	8015	Cold Exposure (BLS-991.9)
8016	Altered Level of Consciousness (non-traumatic) (ALS-780.01)	8017	Convulsions/Seizures (ALS-780.39)
8018	Eye Symptoms (non-traumatic) (BLS-379.90)	8019	Non Traumatic Headache (ALS-437.9)
8020	Cardiac Symptoms other than Chest Pain (palpitations) (ALS-785.1)	8021	Cardiac Symptoms other than Chest Pain (atypical pain) (ALS-536.2)
8022	Heat Exposure (ALS-992.5)	8023	Heat Exposure (BLS-992.2)
8024	Hemorrhage (ALS-459.0)	8025	Infectious Diseases requiring

			Isolation/Public Health Risk (BLS-038.9)
8026	Hazmat Exposure (ALS-987.9)	8027	Medical Device Failure (ALS-996.0)
8028	Medical Device Failure (BLS-996.3)	8029	Neurologic Distress (ALS-436.0)
8030	Pain (Severe) (ALS-780.99)	8031	Back Pain (non-traumatic possible cardiac or vascular) (ALS-724.5)
8032	Back Pain (non-traumatic with neurologic symptoms) (ALS-724.9)	8033	Poisons (all routes) (ALS-977.9)
8034	Alcohol Intoxication or Drug Overdose (BLS-305.0)	8035	Severe Alcohol Intoxication (ALS-977.3)
8036	Post-Operative Procedure Complications (BLS-998.9)	8037	Pregnancy Complication/Childbirth/Labor (ALS-650.0)
8038	Psychiatric/Behavioral (abnormal mental status) (ALS-292.9)	8039	Psychiatric/Behavioral (threat to self or others) (BLS-298.9)
8040	Sick Person-Fever (BLS-036.9)	8041	Severe Dehydration (ALS-787.01)
8042	Unconscious/Syncope/Dizziness (ALS-780.02)	8043	Major Trauma (ALS-959.8)
8044	Other Trauma (need for monitor or airway) (ALS-518.5)	8045	Other Trauma (major bleeding) (ALS-958.2)
8046	Other Trauma (fracture/dislocation) (BLS-829.0)	8047	Other Trauma (penetrating extremity) (BLS-880.0)
8048	Other Trauma (amputation digits) (BLS-886.0)	8049	Other Trauma (amputation other) (ALS-887.4)
8050	Other Trauma (suspected internal injuries) (ALS-869.0)	8051	Burns-Major (ALS-949.3)
8052	Burns-Minor (BLS-949.2)	8053	Animal Bites/Sting/Envenomation (ALS-989.5)
8054	Animal Bites/Sting/Envenomation (BLS-879.8)	8055	Lightning (ALS-994.0)
8056	Electrocution (ALS-994.8)	8057	Near Drowning (ALS-994.1)
8058	Eye Injuries (BLS-921.9)	8059	Sexual Assault (major injuries) (ALS-995.83)
8060	Sexual Assault (minor injuries) (BLS-995.8)	8061	Cardiac/Hemodynamic Monitoring Required (ALS-428.9)
8062	Advanced Airway Management (ALS-518.81)	8063	IV Meds Required (ALS-No ICD code provided))
8064	Chemical Restraint (ALS-293.0)	8065	Suctioning/Oxygen/IV fluids required (BLS-496.0)

8066	Airway Control/Positioning Required (BLS-786.09)	8067	Third Party Assistance/Attendant Required (BLS-496.0)
8068	Patient Safety (restraints required) (BLS-298.9)	8069	Patient Safety (monitoring required) (BLS-293.1)
8070	Patient Safety (seclusion required) (BLS-298.8)	8071	Patient Safety (risk of falling off stretcher) (BLS-781.3)
8072	Special Handling (Isolation) (BLS-041.9)	8073	Special Handling (orthopedic device required) (BLS-907.2)
8074	Special Handling (positioning required) (BLS-719.45)		

Content: CMS condition codes.

Discussion and Justification: Allows data to be quantified and described based on the Condition Code. Allows data to be sorted based on the Condition Code. Important for EMS billing. A list of 95 Condition Codes which are mapped to ICD-9 Codes. The number of the Condition Code should be stored in this field. From the Center for Medicare and Medicaid Services (CMS) Ambulance Fee Schedule Condition Based Coding

Business Rules: All records submitted must have a Condition Code Number entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: If the provider or submitting software is unaware of this information then the element should be submitted with one of the above listed NEMSIS Section E00 (Common Null) field values.

118. Emergency Department Disposition

Name of Data Element:	Emergency Department Disposition		
Priority:	Essential		
Definition:	The known disposition of the patient from the Emergency Department (ED).		
National Element:	Yes		
NHTSA 2:	E22_01		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>EmergencyDepartmentDisposition</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	5335	Admitted to Hospital Floor
5340	Admitted to Hospital ICU	5345	Death
5350	Not Applicable (Not Transported to ED)	5355	Released
5360	Transferred		

Content: The known disposition of the patient from the Emergency Department (ED).

Discussion and Justification: Allows data to be sorted based on the EMS patient outcome. Allows data to describe EMS patient outcome. Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Business Rules: All records submitted must have an Emergency Department Disposition entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: If the provider or submitting software is unaware of this information then the element should be submitted with one of the above listed NEMESIS Section E00 (Common Null) field values.

119. Hospital Disposition

Name of Data Element:	Hospital Disposition		
Priority:	Essential		
Definition:	Indication of how the patient was dispositioned from the hospital, if admitted.		
National Element:	Yes		
NHTSA 2:	E22_02		
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>HospitalDisposition</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes		
Field Values:			
-25	Not Applicable	-20	Not Recorded
-15	Not Reporting	-10	Not Known
-5	Not Available	5365	Death
5370	Discharged	5375	Transfer to Hospital
5380	Transfer to Nursing Home	5385	Transfer to Other
5390	Transferred to Rehabilitation Facility		

Content: Indication of the patient's disposition at the hospital, if admitted.

Discussion and Justification: Allows data to be sorted based on the EMS patient outcome. Allows data to describe EMS patient outcome. Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Business Rules: All records submitted must have a Hospital Disposition entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: If the provider or submitting software is unaware of this information then the element should be submitted with one of the above listed NEMESIS Section E00 (Common Null) field values.

120. Software Creator

Name of Data Element:	Software Creator
Priority:	Mandatory
Definition:	The name of the software vendor by whom the data collection software was developed
National Element:	Yes
NHTSA 2:	E01_02
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>SoftwareCreatedBy</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 3 Maximum Constraint: 32

Content: Simply the certified software vendor that collected the data and created the XML export.

Discussion and Justification: Important for grouping or comparing the accuracy of software used by EMS agencies in data collection.

Business Rules: All records submitted must have NEMSIS Silver compliant or greater certified Software Creator entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed.

121. Software Name

Name of Data Element:	Software Name
Priority:	Mandatory
Definition:	The name of the software package with which the data was collected by the agency.
National Element:	Yes
NHTSA 2:	E01_03
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>SoftwareName</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 3 Maximum Constraint: 30

Content: Simply the name of the certified software package that collected the data and created the XML export.

Discussion and Justification: Important for grouping or comparing the accuracy of software used by EMS agencies in data collection.

Business Rules: All records submitted must have NEMSIS Silver compliant or greater certified Software Name entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed

122. Software Version

Name of Data Element:	Software Version
Priority:	Mandatory
Definition:	The version of the software used by the agency to collect the data
National Element:	Yes
NHTSA 2:	E01_04
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>SoftwareVersion</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 3 Maximum Constraint: 30

Content: Simply the version number of the software package that collected the data and created the XML export.

Discussion and Justification: This should correspond to the NEMSIS certified version listed on the NEMSIS website. Important for grouping or comparing the accuracy of software used by EMS agencies in data collection.

Business Rules: All records submitted must have NEMSIS Silver compliant or greater certified Software Version entered. Records with missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed

Demographic Dataset

EMS Agency and typically only documented once then verified and updated yearly or when changed.

123. EMS Agency Number

Name of Data Element:	EMS Agency Number
Priority:	Mandatory
Definition:	The state-assigned provider number of the responding agency.
National Element:	Yes
NHTSA 2:	D01_01
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>EMSAgencyNumber</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 7 Maximum Constraint: 7
Field Values:	Refer to Appendix A (EMS Agency List) for Agency Number

Content: This element consists of the State assigned agency number or affiliate number of the responding agency.

Discussion and Justification: The state-assigned provider number of the responding agency. All EMS Agency demographic information is associated with the EMS agency number. A unique value must be provided to create a unique record ID within a database. The same as EMS Agency Number (E02_01). This could be used to auto fill E02_01 on the Patient Care Report. This data element is unique and is typically sequential

Business Rules: All demographic dataset submitted must have an EMS Agency Number entered. The Agency number must be from the approved agency list as published by the Iowa Department of Public Health, Bureau of EMS. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: The first 2 digits are the agency's county of origin's numerical identifier, followed by the 5 digits of the agency's IDPH license number. Not Nullable.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

124. EMS Agency State

Name of Data Element:	EMS Agency State
Priority:	Mandatory
Definition:	The state in which the Agency provides services.
National Element:	Yes
NHTSA 2:	D01_03
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>AgencyState</i> Multiple Entry Configuration: Yes Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 2
Field Values:	Refer to Appendix F 2 digit State FIPS Codes

Content: This element consists of the state primarily serviced or licensed in of the responding agency.

Discussion and Justification: For national submission to NEMESIS. Combines with Agency number (E02_01), agency state (D01_03), unit call sign (E02_12), patient number (E01_01) and date (E05_04) to create a unique identifier. Allows national reporting based on state.

Business Rules: All demographic dataset submitted must have an EMS Agency State entered. The State FIPS number must be from the approved State FIPS list as published by the Iowa Department of Public Health, Bureau of EMS. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: Consists of the 2-digit FIPS numeric code, not the State abbreviation. A unique value must be provided to create a unique record ID within a database.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

125. EMS Agency County

Name of Data Element:	EMS Agency County
Priority:	Mandatory
Definition:	The county(s) for which the agency formally provides service.
National Element:	Yes
NHTSA 2:	D01_04
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>AgencyCounty</i> Multiple Entry Configuration: Yes Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 2 Maximum Constraint: 2
Field Values:	Refer to Appendix E 2 digit County FIPS Code

Content: This element consists of the county(s) primarily serviced by the responding agency.

Discussion and Justification: For national submission to NEMESIS. Allows national reporting for coverage based on state and county.

Business Rules: All demographic dataset submitted must have one EMS Agency County entered. The County FIPS number must be from the approved FIPS list as published by the Iowa Department of Public Health, Bureau of EMS. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: Consists of the 8-digit FIPS numeric code, not the County name or abbreviation. A unique value must be provided to create a unique record ID within a database. Stored as an 8 digit FIPS code (combining the state and county code) to take into account agencies may serve more than one state and counties are often named the same from state to state.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

126. Level of Service

Name of Data Element:	Level of Service														
Priority:	Mandatory														
Definition:	The highest credentialed personnel's level of service which the agency provides for every EMS encounter if requested.														
National Element:	Yes														
NHTSA 2:	D01_07														
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): <i>DemographicStateCertificationLicensureLevels</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes														
Field Values:															
<table border="1"> <tr> <td>6090</td> <td>EMT-Basic</td> <td>6100</td> <td>EMT-Intermediate</td> </tr> <tr> <td>6110</td> <td>EMT-Paramedic</td> <td>6111</td> <td>Nurse</td> </tr> <tr> <td>6112</td> <td>Physician</td> <td>6120</td> <td>First Responder</td> </tr> </table>				6090	EMT-Basic	6100	EMT-Intermediate	6110	EMT-Paramedic	6111	Nurse	6112	Physician	6120	First Responder
6090	EMT-Basic	6100	EMT-Intermediate												
6110	EMT-Paramedic	6111	Nurse												
6112	Physician	6120	First Responder												

Content: The highest credentialed personnel's level of service, which the agency provides for every EMS encounter if requested. In a tiered response system, this is the highest level of service, which could be sent to any specific call.

Discussion and Justification: Allows data to be sorted based on an agency's level of service. Provides description of EMS Personnel. Provides descriptive information when combined with an EMS Agency's Billing Status.

Business Rules: All demographic dataset submitted must have one Level of Service entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: Consists of the field value corresponding to the appropriate level.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

127. Organizational Type

Name of Data Element:	Organizational Type			
Priority:	Mandatory			
Definition:	The organizational structure from which EMS services are delivered (fire, hospital, county, etc.)			
National Element:	Yes			
NHTSA 2:	D01_08			
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): OrganizationalType Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes			
Field Values:				
	5810	Community, Non-Profit	5820	Fire Department
	5830	Governmental, Non-Fire	5840	Hospital
	5850	Private, Non_Hospital	5860	Tribal

Content: Documents the organizational type of the EMS agency.

Discussion and Justification: Allows data to be sorted based on an agency's organizational structure. Provides description of EMS agencies across the nation.

Business Rules: All demographic dataset submitted must have an Organization Type entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed.

128. Organizational Status

Name of Data Element:	Organizational Status										
Priority:	Mandatory										
Definition:	The primary organizational status of the agency. The definition of Volunteer or Non-Volunteer is based on state or local terms.										
National Element:	Yes										
NHTSA 2:	D01_09										
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): OrganizationalStatus Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes										
Field Values:	<table border="1"> <tr> <td>5870</td> <td>Mixed</td> <td>5880</td> <td>Non-Volunteer</td> </tr> <tr> <td>5890</td> <td>Volunteer</td> <td></td> <td></td> </tr> </table>			5870	Mixed	5880	Non-Volunteer	5890	Volunteer		
5870	Mixed	5880	Non-Volunteer								
5890	Volunteer										

Content: Documents the organizational type of the EMS agency.

Discussion and Justification: Allows data to be sorted based on an agency's organizational status. Provides description of EMS agencies across the nation.

Business Rules: All demographic dataset submitted must have an Organization Status entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed.

129. Statistical Year

Name of Data Element:	Statistical Year
Priority:	Mandatory
Definition:	The year to which the information pertains
National Element:	Yes
NHTSA 2:	D01_10
XML:	XSD Data Type: <i>xs:gYear</i> XSD Domain (Simple Type): StatisticalYear Multiple Entry Configuration: Yes, via structure Accepts Null Values: No Required in XSD: Yes

Content: Documents the organizational type of the EMS agency.

Discussion and Justification: Multiple entry configurations to allow statistical data to be entered yearly. Used to identify the year to which the data pertains. Associates a year with statistical data to improve reporting capabilities.

Business Rules: All demographic dataset submitted must have a Statistical Year entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: Format as YYYY.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

130. Total Service Size Area

Name of Data Element:	Total Service Size Area
Priority:	Mandatory
Definition:	The total square miles in the agency's service area.
National Element:	Yes
NHTSA 2:	D01_12
XML:	XSD Data Type: <i>xs:positiveinteger</i> XSD Domain (Simple Type): TotalServiceSizeArea Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes Minimum Constraint = 1 Maximum Constraint = 100,000,000

Content: Documents the EMS agency's service area in total square miles.

Discussion and Justification: Allows data to be sorted based on an agency's area size.
Provides description of EMS agencies across the nation.

Business Rules: All demographic dataset submitted must have a Total Service Size Area entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: Multiple entry configurations to allow statistical data to be entered yearly.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

131. Total Service Area Population

Name of Data Element:	Total Service Area Population
Priority:	Mandatory
Definition:	The total population in the agency's service area based on year 2000 census data (if possible).
National Element:	Yes
NHTSA 2:	D01_13
XML:	XSD Data Type: <i>xs:positiveinteger</i> XSD Domain (Simple Type): TotalServiceAreaPopulation Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes Minimum Constraint = 1 Maximum Constraint = 100,000,000

Content: The total population in the agency's service area based on year 2000 census data (if possible). This number does not include population changes associated with daily work flow or seasonal movements

Discussion and Justification: Allows data to be sorted based on an agency's service area population. Provides description of EMS agencies across the nation.

Business Rules: All demographic dataset submitted must have a Total Service Area Population entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: Baseline data should be taken from the 2000 Census data if possible. Multiple entry configurations to allow statistical data to be entered yearly.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

132. 911 Call Volume Per Year

Name of Data Element:	911 Call Volume Per Year
Priority:	Mandatory
Definition:	The number of 911 EMS calls for the calendar year
National Element:	Yes
NHTSA 2:	D01_14
XML:	XSD Data Type: <i>xs:positiveinteger</i> XSD Domain (Simple Type): CallVolumeYear911 Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes Minimum Constraint = 1 Maximum Constraint = 100,000,000

Content: Documents the EMS agency's number of 911 EMS calls for the calendar year.

Discussion and Justification: Allows data to be sorted based on an agency's 911 call volume per year. Provides description of EMS agencies across the nation.

Business Rules: All demographic dataset submitted must have a 911 Call Volume Per Year entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed.

133. EMS Dispatch Volume Per Year

Name of Data Element:	EMS Dispatch Volume Per Year
Priority:	Mandatory
Definition:	The number of EMS dispatches for the calendar year
National Element:	Yes
NHTSA 2:	D01_15
XML:	XSD Data Type: <i>xs:positiveinteger</i> XSD Domain (Simple Type): EMSDispatchVolumeYear Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes Minimum Constraint = 1 Maximum Constraint = 100,000,000

Content: Documents the EMS agency's number of EMS dispatches for the calendar year.

Discussion and Justification: Allows data to be sorted based on an agency's dispatch volume per year. Provides description of EMS agencies across the nation.

Business Rules: All demographic dataset submitted must have an EMS Dispatch Volume Per Year entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed.

134. EMS Transport Volume Per Year

Name of Data Element:	EMS Transport Volume Per Year
Priority:	Mandatory
Definition:	The number of EMS transport for the calendar year
National Element:	Yes
NHTSA 2:	D01_16
XML:	XSD Data Type: <i>xs:positiveinteger</i> XSD Domain (Simple Type): EMSTransportVolumeYear Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes Minimum Constraint = 1 Maximum Constraint = 100,000,000

Content: Documents the EMS agency's number of EMS transport for the calendar year.

Discussion and Justification: Allows data to be sorted based on an agency's transport volume per year. Provides description of EMS agencies across the nation.

Business Rules: All demographic dataset submitted must have an EMS Transport Volume Per Year entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed..

135. EMS Patient Contact Volume Per Year

Name of Data Element:	EMS Patient Contact Volume Per Year
Priority:	Mandatory
Definition:	The number of EMS patient contacts for that calendar year
National Element:	Yes
NHTSA 2:	D01_17
XML:	XSD Data Type: <i>xs:positiveinteger</i> XSD Domain (Simple Type): EMSPatientContactVolumeYear Multiple Entry Configuration: Yes, via structure Accepts Null Values: Yes, null value is blank or empty Required in XSD: Yes Minimum Constraint = 1 Maximum Constraint = 100,000,000

Content: Documents the EMS agency's number of EMS patient contact for the calendar year.

Discussion and Justification: Allows data to be sorted based on an agency's patient contact volume per year. Provides description of EMS agencies across the nation.

Business Rules: All demographic dataset submitted must have an EMS Patient Contact Volume Per Year entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed.

136. EMS Agency Time Zone

Name of Data Element:	EMS Agency Time Zone			
Priority:	Mandatory			
Definition:	The time zone for the EMS Agency.			
National Element:	Yes			
NHTSA 2:	D01_19			
XML:	XSD Data Type: <i>xs:integer</i> XSD Domain (Simple Type): EMSAgencyTimeZone Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes			
Field Values:				
	5900	GMT – 11:00 Midway Island, Samoa	5910	GMT – 10:00 Hawaii
	5920	GMT –09:00 Alaska	5930	GMT – 08:00 Pacific
	5940	GMT – 07:00 Mountain	5950	GMT – 06:00 Central
	5960	GMT – 05:00 Eastern	5970	GMT – 04:00 Atlantic

Content: Documents the time zone of the EMS agency.

Discussion and Justification: Allows data to be tracked in comparison to other systems and times to better correlate in any analysis.

Business Rules: All demographic dataset submitted must have an EMS Agency Time Zone entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: EMS Agency and typically only documented once then verified and updated yearly or when changed.

137. National Provider Identifier

Name of Data Element:	National Provider Identifier
Priority:	Mandatory
Definition:	The National Provider Identifier associated with National Provider System (NPS) .
National Element:	Yes
NHTSA 2:	D01_21
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>NationalProviderIdentifier</i> Multiple Entry Configuration: No Accepts Null Values: Yes Required in XSD: Yes Minimum Constraint: 3 Maximum Constraint: 10

Content: The National Provider Identifier associated with National Provider System (NPS) and used in all standard HIPAA transactions such as electronic claim filing.

Discussion and Justification: For national submission to NEMESIS. Important for HIPAA related transactions such as electronic claims processing. The National Provider Identifier is associated with the EMS agency number.

Business Rules: All demographic dataset must have a National Provider Identifier entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: Generated by the National Provider System within the United States Department of Health and Human Services. Collected by the EMS agency or auto-generated by the EMS agency specific software.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

138. Agency Contact Zip Code

Name of Data Element:	Agency Contact Zip Code
Priority:	Essential
Definition:	The ZIP code of the Agency contact's mailing address.
National Element:	Yes
NHTSA 2:	E02_07
XML:	XSD Data Type: <i>xs:string</i> XSD Domain (Simple Type): <i>DemographicZip</i> Multiple Entry Configuration: No Accepts Null Values: No Required in XSD: Yes Minimum Constraint: 5 Maximum Constraint: 10

Content: The ZIP code of the Agency contact's mailing address.

Discussion and Justification: Allows data to be sorted into a geographical area. Component of the EMS Agency Contact Information/Address.

Business Rules: All demographic dataset must have an Agency Contact Zip Code entered. Records with a missing or an invalid entry will be rejected by the system.

Technical Comments: Only the United State Postal Service zip codes are accepted. Can be a 5 or 9 digits Zip Code.

EMS Agency and typically only documented once then verified and updated yearly or when changed.

Appendixes

Appendix A EMS Agency List

Agency No.	Agency Name	Agency No.	Agency Name
		2060500	North Benton Ambulance
		2060700	Urbana Area Ambulance
	Adair County		
2010400	Adair County Ambulance	2071300	Covenant Paramedic Service
2010100	Adair Fire Department	2071100	Dunkerton Ambulance Service
2010500	Bridgewater Fire Dept. & EMS	2070400	Evansdale Fire Rescue
2010200	Fontanelle Fire And Rescue	2070500	Hudson Vol Fire Ambulance
2010300	Greenfield Fire & Rescue	2070600	La Porte City Fire Department
		2070200	Sartori Paramedic Services
	Adams County	2070900	Waterloo Fire Rescue
2020200	Adams County Ambulance	2070903	Waterloo Fire Rescue/Sta.#8
		2070901	Waterloo Fire Rescue/Sta.#4
		2070902	Waterloo Fire Rescue/Sta.#6
	Allamakee County		
2030300	Area Ambulance Postville		
2030100	Harpers Ferry Rescue Squad		
2030500	Lansing EMS	2090700	Denver Ambulance Service
2030200	New Albin Vol Fire Dept	2090300	Sumner Emerg Medical Services
2031000	Veterans Mem.Hosp.Ambulance	2090100	Tripoli Ambulance Service
2030800	Waterville Ambulance Service	2090200	Waverly Municipal Hospital Ambulance
	Appanoose County		
2040400	Mercy Medical Ambulance	2100400	Fairbank Fire Department
2040500	Moulton Vol Ambulance Service	2100200	Jesup Ambulance Service
		2100100	Peoples Mem.Hosp.-Buchanan Co.
	Audubon County		
2050100	Audubon Fire and Rescue		
2050200	Exira Fire Department		
	Benton County		
2060800	Belle Plaine Area Amb Service	2110600	BV County Amb/Albert City
		2110500	BV County Amb/Sioux Rapids
		2110100	BVCH Ambulance/Storm Lake
		2110800	Newell Ambulance Service
2060900	Blairstown Ambulance		
2066400	Cedar/MtAuburn 1st Responders	2120100	Allison Bristow Ambulance
2066300	Keystone First Responders	2120200	Aplington Ambulance Service
2066100	Newhall Fire Department	2120300	Clarksville Vol. Amb. Service
		2120800	Dumont Vol Ambulance Svc

Agency No.	Agency Name	Agency No.	Agency Name
2120700	Greene Vol Ambulance Service		
2120400	New Hartford Ambulance	2170300	Cerro Gordo County Mercy Care Ambulance Service
2120500	Parkersburg Ambulance Service	2170100	Snells Ambulance Service
2120600	Shell Rock Ambulance Service		Cherokee County
		2180600	Marcus Fire Dept Ambulance
		2180500	Sioux Valley Prehospital Care
	Calhoun County		Chickasaw County
2130800	Farnhamville EMS	2190400	Chickasaw Ambulance AV
2130300	Lake City Ambulance Department	2190500	Chickasaw Ambulance NH
2130400	Lohrville Ambulance Service	2190200	Chickasaw Ambulance Fburg
2130500	Manson Ambulance Service	2190300	Chickasaw Ambulance Nashua
2130600	Pomeroy Fire and Ambulance		
2130700	Rockwell City Ambulance		Clarke County
		2200100	Clarke Co Ambulance Service
	Carroll County		Clay County
2140100	Carroll Co Ambulance Service	2210400	Everly Fire and Rescue
2140400	Carroll Co. Ambulance	2210200	Peterson CRU
2140500	Templeton First Response Unit	2210100	Spencer Hospital Ambulance
	Cass County		Clayton County
2150100	Anita Volunteer Fire & Rescue	2220100	Central Ambulance Service
2150700	Atlantic Medivac Amb Serv	2220200	Guttenberg Ambulance Service
2150200	Cumberland Vol Fire Dept	2220300	MarMac Emergency Squad
2150300	Griswold Fire & Rescue	2221000	MFL Ambulance Service Inc
2150400	Massena Fire & Rescue	2220500	Strawberry Point Ambulance
	Cedar County		Clinton County
2160500	Bennett Ambulance Service	2230100	Andover Ambulance Service
2160700	Clarence Ambulance Service	2230200	Camanche Fire Department
2160600	Durant Volunteer Amb Inc.	2230300	Clinton Fire Dept - Ambulance
2160100	Mechanicsville Ambulance	2236300	Delmar Volunteer Fire Dept
2160200	Stanwood Ambulance Service	2230400	DeWitt Ambulance Service
2160300	Tipton Ambulance Service		

Agency No.	Agency Name	Agency No.	Agency Name
2230500	MEDIC EMS - Clinton		Dickinson County
2230900	Wheatland EMS Ambulance	2300200	Lake Park Rescue
	Crawford County	2300100	Lakes Regional Healthcare-MICS
2240200	Crawford County Ambulance	2300300	Terril First Responders
2240100	Dow City Arion Fire & Rescue		Dubuque County
2240300	Manilla Ambulance	2311000	Asbury Fire Department
	Dallas County	2311600	Bernard Fire and Rescue
2250200	Dallas Co EMS	2310400	Bi-County Ambulance Inc
2250500	Granger Community Ambulance	2310600	Dubuque Fire Department
2258300	Waukee Fire Rescue	2310700	Epworth Emergency Service
	Davis County	2310300	Heartland Reg Paramedic Svc
2260200	Davis County Hospital - EMS	2310900	Holy Cross Volunteer Fire Dept
	Decatur County	2310200	Reiff Ambulance Cascade
2270100	Decatur Co Hospital Ambulance	2310800	Reiff Ambulance Farley
	Delaware County	2316000	Sherrill Fire & Rescue Dept.
2280500	Colesburg Ambulance Department		Emmet County
2286400	Delhi First Responders	2320300	Armstrong EMS Service
2280900	Earlville Fire Department	2320100	Estherville Ambulance Service
2281200	Edgewood Ambulance Service	2320200	Ringsted Benifited Fire Dept
2280700	Hopkinton Ambulance Service		Fayette County
2280600	Regional Medical Center of NE	2330800	Area Ambulance Elgin
	Des Moines County	2330700	Area Ambulance Clermont
2290100	Burlington Fire/Ambulance	2330900	Arlington Area Ambulance
2290300	IA Army Ammunition Plant-Amb	2330200	Fayette Ambulance Service
2290400	Mediapolis Community Ambulance	2330400	Northeast Ia.Medical Tran.Inc
2290600	Superior Ambulance Service	2330300	Oelwein Area Ambulance
			Floyd County
		2340200	American Medical Response(AMR)
		2340300	Nora Springs Vol Ambulance
			Franklin County
		2350300	Franklin General Hospital Amb.

Agency No.	Agency Name	Agency No.	Agency Name
	Fremont County	2400300	Stratford Rescue Unit
2360700	Farragut Fire & Rescue	2400600	Williams Rescue and Ambulance
2360100	Hamburg Vol Fire Dept Rescue		
	Hancock County	2410400	Garner Vol Ambulance Service
2360600	Percival Fire & Rescue	2410500	West Hancock Ambulance Service
2360800	Randolph Rescue		
2360200	Riverton Fire & Rescue		
2360300	Sidney Fire and Rescue		
2360400	Tabor Vol Ambulance		
2360500	Thurman Rescue		
	Green County	2420100	Ackley Vol Ambulance Service
2370300	Churdan Fire/Rescue	2420300	American Medical Response
2370200	Grand Junction Rescue Unit	2420200	Eldora Emergency Med Service
2370100	Greene County EMS Inc	2420700	Hubbard Ambulance Service
2370500	Scranton Fire Rescue Unit	2420600	Radcliffe Ambulance Service
	Grundy County	2420500	Union Emergency Service
2380600	City of Grundy Center Amb		
2380100	Dike Vol Fire and Ambulance	2430100	Dunlap Fire & Rescue
2380300	Reinbeck Fire & Rescue Dept	2430200	Logan Fire Rescue Association
2380400	Wellsburg FD Ambulance	2430300	Missouri Valley Fire & Rescue
	Guthrie County	2430400	Mondamin Fire & Rescue Inc
2390100	Bagley Community Ambulance	2430500	Persia Fire & Rescue
2390700	Bayard Ambulance Service	2430700	Woodbine Rescue
2390300	Guthrie Center Fire & Rescue		
2390800	Menlo Fire and Rescue	2440400	HCHC - EMS
2390400	Panora Rescue Squad		
2390500	Stuart Rescue Unit		
	Hamilton County	2450300	Reg.Health Services/Howard Co.
2406200	Ellsworth First Responders		
2400400	Hamilton Hospital Amb. Service	2460100	Gilmore City Ambulance
2400100	Jewell Fire & Rescue	2460200	Humboldt Ambulance Service
2400200	Kamrar Fire & Rescue	2460300	Renwick Ambulance Service
2400500	Performance EMS		

Agency No.	Agency Name	Agency No.	Agency Name
	Ida County		
2470100	Battle Creek Comm Amb Serv	2520400	SE Iowa Ambulance Service Inc
2470300	Community Ambulance Service		
2470200	Holstein Fire Department		Jones County
		2530100	Anamosa Area Ambulance Service
		2530400	Midland Community Ambulance
	Iowa County	2530200	Monticello Ambulance Service
2480400	Iowa Co Ambulance-Williamsburg	2536000	Morley First Responders
2480500	Iowa County Ambulance Service	2530500	Olin Ambulance Service
		2530300	Oxford Junction Fire Dept
			Keokuk County
	Jackson County	2540500	Keokuk County Ambulance Service
2490100	Bellevue Ambulance Service		
2490700	Community Ambulance Miles		
2490600	Community Ambulance Preston		
2490500	Jackson Co Ambulance Service		Kossuth County
2490400	Sabula Ambulance Service	2550100	Algona Ambulance Service
2496400	Springbrook Fire and EMS	2550800	Bancroft Ambulance Service
		2551000	Lakota Ambulance Service
	Jasper County	2550600	Sentral Area Ambulance
2500100	Baxter Rescue Unit	2550400	Swea City Fire Dept Ambulance
2500200	Colfax Fire Department	2550500	Titonka Ambulance Service
2500300	Kellogg Fire & Ambulance Dept	2550900	Whittemore Ambulance Service
2500800	Monroe Fire Department		
2500400	Newton Fire Department		Lee County
2500500	Prairie City Ambulance	2560300	Lee Co EMS Ambulance - Keokuk
2500600	Reasnor Fire & Ambulance	2560200	Lee Co EMS Ambulance-Ft Madison
2500700	Sully Rural Fire & Ambulance	2560100	Lee County EMS Ambulance
	Jefferson County		
2510100	Jefferson County Ambulance		Linn County
		2570200	Area Ambulance Service
	Johnson County		
2520300	Johnson County Ambulance		

Agency No.	Agency Name	Agency No.	Agency Name
2570600	Benton Linn Ambulance Service	2630400	Melcher Dallas Fire & Rescue
2570300	Center Point Ambulance Service	2630900	Pella Community Ambulance
2570700	Lisbon Mt Vernon Ambulance	2630700	Pleasantville EMS
2578100	Marion Fire Department		Marshall County
2570400	Northeast Linn Ambulance Serv	2640100	Marshalltown Paramedic Service
		2646000	State Center First Responder
	Louisa County		Mills County
2580100	Louisa Co Responders-Ambulance	2650800	Emerson Rescue
2580400	Louisa County Responders-Letts	2650700	Glenwood Vol Fire Dept
2580200	Morning Sun Comm Ambulance	2650200	Malvern Volunteer Rescue Inc
2580300	Wapello Community Ambulance	2650400	Pacific Jct Vol Ambulance
		2650300	Silver City Ambulance Service
	Lucas County		Mitchell County
2590100	Lucas County Health Center Amb	2660100	Mitchell Co Ambulance Service
		2660300	Riceville Amb Service Inc
	Lyon County		Monona County
2600300	Inwood Rescue	2670200	Burgess Hospital Ambulance
2600200	Little Rock EMS	2670600	Mapleton Ambulance Service
2600100	Lyon County Ambulance	2670400	Moorhead Rescue
		2670700	Ute Ambulance Service
	Madison County	2670800	Whiting Vol Fire
2610200	Madison County Ambulance	2680100	Monroe Co Ambulance
	Mahaska County		Montgomery County
2620500	Fremont Ambulance Unit	2690600	Elliott First Response Team
2620100	Mahaska Hospital Ambulance	2690200	Red Oak Fire Department
2620200	New Sharon Vol Fire Department	2690400	Stanton Fire & Rescue
		2690500	Villisca Ambulance Service
	Marion County		Muscatine County
2636100	Clay Township Fire Rescue	2700200	Muscatine Fire Department
2630800	Knoxville Fire and Rescue	2700700	West Liberty Vol Fire Dept

Agency No.	Agency Name	Agency No.	Agency Name
	O'Brien County	2750100	Siouxland Paramedics/Akron
2710900	Archer Ambulance Service		
2710200	Hartley Ambulance (HEART)		Pocahontas County
2710300	Paullina Ambulance Service	2760100	Fonda Ambulance Service
2710400	Primghar Ambulance	2761000	Laurens Ambulance Service
2710500	Sanborn Ambulance Service	2760200	Pocahontas Ambulance Service
2710700	Sheldon Comm Ambulance Team	2760300	Rolfe Area Ambulance
2710600	Sutherland Fire/Rescue/Amb		
	Osceola County	2770100	Altoona Fire Department
2726100	Ashton Comm Emergency Serv	2770900	American Ambulance
2720300	OCAS/Melvin Division	2770200	Ankeny Fire Department
2720400	OCAS/Ocheyedan Division	2771800	Bondurant Emergency Services
2720200	OCAS/Sibley Division	2770300	Clive Fire Department
	Page County	2771400	Des Moines Fire Department #1
2730600	Braddyville Rescue	2771410	Des Moines Fire Department #10
2730900	C M H Emergency Med Serv	2771403	Des Moines Fire Department #3
2730200	Coin Fire & Rescue	2771404	Des Moines Fire Department #4
2730300	College Springs Vol Fire Dept	2771405	Des Moines Fire Department #5
2731000	Essex Fire and Rescue Dept	2771406	Des Moines Fire Department #6
2730800	Shenandoah Ambulance Service	2771408	Des Moines Fire Department #8
	Palo Alto County	2771409	Des Moines Fire Department #9
2740300	PACA/Graettinger	2772300	Fraser Medical Services
2740400	PACA/Ruthven	2771500	Grimes Fire & Rescue Dept
2740200	PACA/West Bend	2770800	Johnston Fire & Rescue
2740100	PACH Ambulance	2772100	LIFeline Ambulance Service Inc
	Plymouth County	2773200	Mercy Medical Center-DSM
2750200	Hinton Ambulance	2772000	Midwest Amb Service of Ia Inc
2750300	Kingsley Ambulance Service	2772700	Mitchellville Fire Department
2750900	LeMars Ambulance Service		
2750400	LeMars Fire Rescue		
2751000	Merrill Ambulance Service		
2750700	Oyens Volunteer Fire Rescue		
2750800	Remsen Ambulance Service		

Agency No.	Agency Name	Agency No.	Agency Name
2772600	Northern Warren Fire Department		Ambulance/Odebolt
2770700	Pleasant Hill Fire Dept	2810300	Sac County Ambulance/Sac City
2771000	Polk City Vol Fire & Rescue	2810400	Sac County Ambulance/Schaller
2771100	Runnells Fire Department		
2771600	Saylor Township Fire Dept		
2771200	Urbandale Fire Department		
2771300	West Des Moines EMS	2820800	Scott County Buffalo Volunteer Ambulance
2770600	Windsor Heights Fire Dept	2821000	MEDIC
		2821200	MEDIC - Bettendorf
		2821100	MEDIC - Eldridge
		2821500	MEDIC EMS - LeClaire
	Pottawattamie County		
2780100	Avoca Vol Rescue & Fire		
2781000	Carter Lake Fire & Rescue		
2780200	Council Bluffs Fire Dept		
2781200	Crescent Rescue	2830600	Shelby County Earling Fire and Rescue
2781300	Lewis Township Vol Fire Dept	2830900	Elk Horn Fire and Rescue
2780300	Macedonia Vol Fire Department	2830400	Irwin Volunteer Rescue Squad
2780400	Minden Vol Fire & Rescue	2830700	Medivac Ambulance Rescue Corp
2780500	Neola Vol Fire Dept	2830800	Shelby Fire and Rescue
2780600	Oakland Vol Fire & Rescue		
2781100	Rural/Metro Amb.-Council Bluffs		
2780700	Treynor Ambulance Service	2841000	Sioux County Alton Ambulance
2780900	Underwood Rescue	2840900	Boyden Ambulance
2780800	Walnut Fire Department	2840800	Granville Fire & Rescue
		2840200	Hawarden Ambulance Association
	Poweshiek County	2840600	Hospers Ambulance Service
2790600	East Poweshiek Ambulance	2840300	Hull Ambulance and Rescue
2790700	Midwest Ambulance Serv of Iowa	2840700	Ireton Rescue Squad
2790300	Montezuma Fire Department	2840500	Orange City Comm Amb Service
		2840100	Rock Valley Ambulance Assoc.
	Ringgold County	2840400	Sioux Center Ambulance
2800300	Ringgold County Ambulance		
	Sac County		
2810500	Sac County Ambulance/Lake View	2856500	Story County Colo Fire and Rescue
2810600	Sac County	2850100	Mobile Intensive Care Service

Agency No.	Agency Name	Agency No.	Agency Name
2850300	Story City Ambulance Service	2910600	Virginia Twp Fire Rescue
2850200	Story County Medical Center		
	Tama County		Washington County
2860100	Dysart Ambulance Service	2920100	Washington Co Ambulance
2860200	Elberon Volunteer Fire Rescue	2920500	Wellman Volunteer Ambulance
2860300	Garwin Ambulance Service		Wayne County
2860400	Gladbrook Lincoln Ambulance	2930100	Wayne County Ambulance Service
2860500	Tama Emergency Services		
2860600	Toledo Emergency Service		Webster County
2860700	Traer Ambulance Service	2940500	Clare Rescue
	Taylor County	2940300	Dayton Rescue Squad Inc
2870100	Bedford Ambulance Service	2940400	SW Webster Ambulance Service
2870200	Blockton Ambulance Service		
2870600	Lenox Ambulance Service	2940100	Trinity Regional Amb Service
2870400	New Market Vol Fire Dept	2940200	Vincent Vol Ambulance Service
	Union County		Winnebago County
2880200	Greater Comm Hosp Ambulance	2950100	Buffalo Ct Vol Amb Service
	Van Buren County	2950200	Forest City Ambulance Service
2890900	Farmington EMS	2950400	Lake Mills Ambulance Service
2891000	Van Buren County Ambulance	2950300	Thompson Rescue Unit
	Wapello County	2950500	Winnebago Industries Ambulance
2900900	Blakesburg First Responders		Winneshiek County
2900700	Eddyville Volunteer Fire Dept	2960200	Ossian Ambulance Service
2900800	ORMICS	2960100	Winneshiek Co Paramedic Services
	Warren County		Woodbury County
2910100	Carlisle Fire Rescue	2970100	Anthon Rescue Squad
2911100	Hartford Vol Fire & Rescue	2971700	Bronson Community Ambulance
2910700	Indianola Fire Department		
2910500	Lacona Fire Rescue	2970300	Correctionville Fire & Rescue
2910800	Martensdale Fire Rescue	2970400	Cushing Fire Department
2910200	Milo Fire Rescue		
2910300	Norwalk Fire Department		

Agency No.	Agency Name	Agency No.	Agency Name
2971800	Danbury Community Ambulance		Other
2972400	Lawton Ambulance	8000100	Air & Mobile Critical Care
2970600	Moville Ambulance Rescue Squad	8000900	Air Evac Lifeteam 5
2972100	Oto Community Ambulance Serv	2001200	American Ambulance Service
2970700	Pierson Ambulance	8001600	Heartland AirMed
2970800	Salix Fire and Rescue	2001500	Interstate EMS of PDC Inc
2972300	Sergeant Bluff Fire & Rescue	8000300	Life Flight - DSM
2970500	Siouxland Paramedics Inc	8000400	Lifeguard Air Ambulance
2971200	Sloan Fire & Rescue	8000500	Mercy Air Care
	Wright County	8000200	Mercy Air Life - DSM
2990100	Belmond Vol Ambulance Service	8000800	Mercy Air Life North Iowa
2990200	Clarion Ambulance Service	2001300	Omaha Ambulance Service
2990400	Dows Ambulance Service	8001700	Quad City Helicopter EMS
2990300	Eagle Grove Department of EMS	2001100	Rural /Metro Ambulance-Omaha
		2001000	Trinity Ambulance Service

Appendix B Health Facility List

ID	Name	ID	Name
	Hospitals	9440047	Henry County Health Center
9780105	Alegent Health-Mercy Hospital	9770078	Iowa Lutheran Hospital
9070034	Allen Memorial Hospital	9520129	Iowa Medical & Classification Center
9320014	Avera Holy Family Hospital	9770079	Iowa Methodist Medical Center
9770032	Broadlawns Medical Center	9510063	Jefferson County Hospital
2080100	Boone County Hospital	9780039	Jennie Edmundson Memorial Hospital
9110166	Buena Vista Regional Medical Center	9300028	Lakes Regional Healthcare
9670082	Burgess Health Center - Sloan	9810135	Loring Hospital
9150145	Cass County Memorial Hospital	9620092	Mahaska County Hospital
9090086	Community Memorial Hospital	9640007	Marshalltown Medical & Surgical Center
9070137	Covenant Medical Center	9850040	Mary Greeley Medical Center
9240173	Crawford County Memorial Hospital	9180121	Mental Health Inst - Cherokee
9250157	Dallas County Hospital	9440104	Mental Health Inst - Mount Pleasant
9420156	Ellsworth Municipal Hospital	9730132	Mental Health Inst - Clarinda
9750004	Floyd Valley Hospital	9100068	Mental Health Inst - Independence
9560087	Fort Madison Community Hospital	9520074	Mercy Hospital – IA City
9820011	Genesis Medical Center	9570036	Mercy Medical Center - Cedar Rapids
9650152	Glenwood Resource Center	9040050	Mercy Medical Center-Centerville
9290147	Great River Medical Center	9230056	Mercy Medical Center-Clinton
9880053	Greater Community Hospital	9770158	Mercy Medical Center-Des Moines
9790016	Grinnell Regional Medical Center	9310003	Mercy Medical Center-Dubuque
9400120	Hamilton County Public Hospital		

ID	Name
9311003	Mercy Medical Center - Dyersville
9770033	Mercy Medical Center-Mercy Capitol
9170023	Mercy Medical Center-North Iowa
9970112	Mercy Medical Center-Sioux City
9690075	Montgomery County Memorial Hospital
9710093	Northwest Iowa Health Center
9840071	Orange City Municipal Hospital
9900055	Ottumwa Regional Health Center
9740045	Palo Alto County Hospital
9630165	Pella Regional Health Center
9800167	Ringgold County Hospital
9070059	Sartori Memorial Hospital
9830103	Shelby County Myrtue Memorial Hospital
9730065	Shenandoah Medical Center
9180094	Sioux Valley Memorial Hospital
9500041	Skiff Medical Center
9210037	Spencer Municipal Hospital
9140090	St Anthony Regional Hospital
9570066	St Luke's Methodist Hospital
9970180	St Luke's Regional Medical Center
9310020	The Finley Hospital
9820042	Trinity Medical Center North
9940001	Trinity Regional Medical Center
9700005	Unity Health System
9520017	University Of Iowa Hospitals &

ID	Name
	Clinics
9090098	Waverly Municipal Hospital
9930027	Wayne County Hospital
9960127	Winneshiek County Memorial Hospital
9080069	Woodward Resource Center
	Rural Health Clinics
9013888	Adair Medical Center
9753830	Akron Family Practice Clinic
9873479	Alegent Health-Bedford Clinic
9433476	Alegent Health-Dunlap Clinic
9873478	Alegent Health-Lenox Clinic
9433431	Alegent Health-Logan Clinic
9433433	Alegent Health-Missouri Valley Clinic
9023480	Alegent Health-Rosary Medical Clinic
9433477	Alegent Health-Woodbine Clinic
9128905	Allison Family Practice
9333438	Arlington Clinic
9053853	Audubon Medical Clinic
9783863	Avoca Physicians Clinic
9893997	Birmingham Medical Clinic
9893451	Bonaparte Rural Health Center
9973483	Burgess Health Center - Onawa
9893996	Cantril Medical Clinic
9943475	Community Clinic
9383421	Conrad Family Clinic
9978934	Correctionville Mercy Medical Clinic

ID	Name
9453493	Cresco Medical Clinic
9053869	Cunningham Family Health Care Center
9253878	Dallas Center Medical Associates
9868922	Deer Creek Family Care
9098907	Denver Family Practice
9893998	Douds Medical Clinic
9123979	Dumont Clinic
9433470	Dunlap Family Medicine Clinic
9613486	Earlham Medical Clinic
9288936	Edgewood Clinic
9318924	Family Health Ctr - Cascade
9693464	Family Health Ctr - Villisca
9228942	Family Medical Asso. - Garnavillo
9288911	Family Medicine Asso. - Edgewood
9228902	Family Medicine Asso. - Guttenberg
9673831	Family Medicine Cln - Onawa
9743482	Family Practice Cln - Emmetsburg
9743472	Family Practice Cln - Graettinger
9743417	Family Practice Cln - West Bend
9893452	Farmington Medical Clinic
9993987	Franklin Medical Ctr - Dows
9353420	Franklin Medical Ctr - Hampton
9333881	Gundersen Clinic - West Union
9333891	Gundersen Clinic - Elgin
9333818	Gundersen Clinic - Fayette

ID	Name
9873456	Hardin Medical Clinic
9713492	Hartley Mercy Medical Center
9848933	Hawarden Mercy Medical Clinic
9613410	Health Trust Physicians Clinic
9253857	Heartland Family Health Associates
9473856	Holstein Family Practice Associates
9283884	Hopkinton Family Medical Center
9423825	Hubbard Medical Clinic
9338904	Integra Health - Oelwein
9128903	Integra Health - Parkersburg
9163898	Iowa Health Physicians - Clarence
9533894	Iowa Health Physicians - Anamosa
9168900	Iowa Health Physicians - Tipton
9168910	Iowa Health Physicians - Mechanicsville
9063896	Iowa Health Physicians - Vinton
9068908	Iowa Health Physicians - Shellsburg
9068901	Iowa Health Physicians - Keystone
9893453	Keosauqua Rural Health Center
9543450	Keota Community Clinic
9833840	Kimballton Medical Clinic
9753846	Kingsley Medical Clinic
9553437	Kossuth Family Health Ctr - Algona

ID	Name
9553976	Kossuth Family Health Ctr - Bancroft
9308909	Lake Park Community Health Care
9033892	Lansing Clinic
9353463	Latimer Clinic
9873469	Lenox Medical Clinic
9453494	Lime Springs Medical Clinic
9933435	Lineville Medical Clinic
9163841	Lowden Family Medical Clinic
9288938	Manchester Family Associates Pc West
9283885	Manchester Family Med Asso - Manchester
9288940	Manchester Family Med Asso - Colesburg
9678935	Maple Valley Mercy Medical Clinic
9363834	Medical Clinic - Hamburg
9363836	Medical Clinic - Tabor
9363833	Medical Clinic - Sidney
9958948	Mercy Family Clinc
9713462	Mill Creek Family Practice
9033882	Miller-Gunderson Clinic
9663467	Mitchell Cty Reg Health Ctr - Stacyville
9663445	Mitchell Cty Reg Health Ctr - St Ansgar
9663454	Mitchell Cty Reg Health Ctr - Osage
9503449	Monroe Family Health Center
9583850	Morning Sun Medical Clinic
9973890	Moville Area Medical Clinic

ID	Name
9393481	Panora Medical Clinic
9713488	Paullina Mercy Medical Clinic
9603843	Pioneer Medical Center
9713490	Primghar Mercy Medical Clinic
9138930	Rockwell City Clinic
9713875	Sanborn Medical Clinic
9788914	Shelby Medical Clinic
9713859	Sheldon Family Practice Associates
9183487	Sioux Valley Medical Asso - Cherokee
9473441	Sioux Valley Medical Asso - Holstein
9893995	Stockport Medical Clinic
9223862	Strawberry Point Medical Center
9503455	Sully Family Health Center
9093879	Sumner Medical Clinic
9713489	Sutherland Mercy Medical Clinic
9863439	Tama Medical Center
9768925	Trimark Physicians Group - Pocahontas
9468917	Trimark Physicians Group - Humboldt
9138947	Trimark Physicians Group - Manson
9768944	Trimark Physicians Group - Fonda
9768926	Trimark Physicians Group - Laurens
9818918	Trimark Physicians Group - Sac City
9998916	Trimark Physicians Group - Eagle Grove

ID	Name	ID	Name
9818919	Trimark Physicians Group - Lake View		Center
9063485	Urbana Family Medical Clinic	9250229	Adel Acres Care Center
9063468	Van Horne Family Medical Clinic	9880525	Afton Care Center
9063461	Vinton Family Medical Clinic	9750085	Akron City Convalescent Care Center
9813400	Wall Lake Medical Clinic	9550144	Algona Good Samaritan Center
9583849	Wapello Medical Clinic	9550274	Algona Manor Care Center
9038913	Waukon Clinic	9120141	Allison Health Care Center
9853460	Zearing Medical Clinic	9530253	Anamosa Care Center
	Ambulatory Surgical Center	9440495	Arbor Court
9231011	Gateway Surgery Center	9150588	Atlantic Nursing & Rehab Center
9771000	Healthsouth Surgery Center Of Des Moines	9520921	Atrium Village
9771006	Iowa Endoscopy Center	9780196	Avoca Nursing & Rehab Center
9211004	Iowa Eye Institute	9500681	Baxter Health Care Center
9771002	Mercy Terrace Hill Surgery Center	9390003	Bayard Nursing & Rehab Center
9821007	Mississippi Valley Surgery Center	9870328	Bedford Nursing & Rehab Center
9771013	Orthopaedic Outpatient Surgery Center Lc	9060579	Belle Plaine Nursing & Rehab Center
9571016	Outpatient Surgery Center Of Cedar Rapid	9990447	Belmond Health Care Center
9231012	Quality Surgicenter	9310307	Bethany Home
9821001	Spring Park Surgery Center	9780207	Bethany Lutheran Home
9771015	The Iowa Clinic Endoscopy Center	9850220	Bethany Manor
9311010	Tri State Surgery Center	9820880	Bettendorf Health Care Center
9771009	Westown Ambulatory Center	9770885	Bishop Drumm Care Center
	Nursing Facility	9810547	Black Hawk Life Care Center
9960338	Aase Haugen Home	9260208	Bloomfield Care Center
9390706	Adair Community Health	9750130	Brentwood Good Samaritan Center
		9790412	Brooklyn Community Estates

ID	Name
9100101	Buchanan County Health Center
9110129	Buena Vista Manor Care Center
9290249	Burlington Care Center
9770022	C L C Altoona
9140044	C L C Carroll
9250039	C L C Granger
9370034	C L C Jefferson
9910532	C L C Norwalk
9770631	C L C Polk City
9770502	C L C University
9770368	Calvin Manor
9180063	Careage Hills
9500607	Careage Of Newton
9910796	Carlisle Care Center
9140024	Carroll Health Center
9970125	Casa De Paz Health Care Center
9070215	Cedar Falls Health Care Center
9070154	Cedar Falls Lutheran Home
9160886	Cedar Manor
9040578	Centerville Nursing & Rehab Center
9590114	Chariton Nursing & Rehab Center
9340392	Chautauqua Guest Home #2
9340164	Chautauqua Guest Home #3
9180592	Cherokee Villa Nursing & Rehab Center
9770916	Childserve Habilitation Center

ID	Name
9160149	Clarence Nursing Home
9800132	Clearview Home – Mt. Ayr
9870315	Clearview Home - Clearfield
9480217	Colonial Manor Of Amana
9150366	Colonial Manor Of Anita
9580135	Colonial Manor Of Columbus Junction
9450794	Colonial Manor Of Elma
9850252	Colonial Manor Of Zearing
9010182	Community Care Center
9710779	Community Memorial Health Center
9120205	Community Nursing Home
9410334	Concord Care Center
9020576	Corning Nursing & Rehab Center
9970340	Correctionville Nursing & Rehab Center
9930336	Corydon Nursing & Rehab Center
9570783	Cottage Grove Place-The Club
9180966	Country Side Estates
9070529	Country View
9720464	Country View Manor
9970370	Countryside Retirement Home
9450905	Cresco Care Center
9880066	Crest Haven Care Centre
9880332	Creston Nursing & Rehab Center
9490974	Crestridge Care Center
9570975	Crestview Acres
9400343	Crestview Manor

ID	Name	ID	Name
9160589	Crestview Nursing & Rehab Center	9320123	Estherville Good Samaritan Center
9290870	Danville Care Center	9080243	Evangelical Free Church Home
9820472	Davenport Good Samaritan Center	9450329	Evans Memorial Home
9820211	Davenport Lutheran Home	9240324	Eventide Lutheran Home
9240006	Denison Care Center	9050106	Exira Care Center
9090099	Denver Sunset Home	9660081	Faith Lutheran Home
9560614	Donnellson Health Center	9820846	Fejervary Health Care Center
9310600	Dubuque Nursing & Rehab Center	9600572	Fellowship Village
9120888	Dumont Wellness Center	9770692	Fleur Heights Care Center
9430079	Dunlap Nursing & Rehab Center	9760518	Fonda Nursing & Rehab Center
9230059	Eagle Point Nursing & Rehab Center	9010371	Fontanelle Good Sam Ctr
9100283	East Towne Care Center	9950267	Forest City Good Sam Ctr
9080268	Eastern Star Masonic Home	9940690	Fort Dodge Villa Care Center
9280322	Edgewood Convalescent Home	9560195	Fort Madison Health Center
9420076	Eldora Nursing & Rehab Center	9770231	Fountain West Health Center
9070054	Elizabeth E Martin Health Center	9350006	Franklin General Hospital
9220240	Elkader Care Center	9940037	Friendship Haven
9830051	Elm Crest Retirement Community	9050124	Friendship Home Association
9730860	Elm Heights Care Center	9790312	Friendship Manor Care Centre
9670321	Elmwood Care Centre	9070429	Friendship Village Retirement Center
9970471	Embassy Rehab & Care Center	9730056	Garden View Care Center
9740026	Emmetsburg Care Center	9770707	Genesis Senior Living Center
9480239	English Valley Care Center	9600460	George Good Samaritan Center
9310764	Ennoble Manor Care Center	9620767	Georgian Court Of Oskaloosa
		9650355	Glen Haven Home
		9040983	Golden Age Skilled Nursing & Rehab

ID	Name
9730781	Goldenrod Manor Care Center
9280358	Good Neighbor Home
9170219	Good Shepherd Health Center
9940083	Gowrie Care Center
9940127	Grandview Health Care Ctr - Dayton
9330350	Grandview Healthcare Ctr - Oelwein
9640686	Grandview Heights
9860817	Grandview Nursing L L C
9820293	Grandview Terrace
9220074	Great River Care Center
9850536	Green Hills Health Center
9010620	Greenfield Manor Inc
9940016	Greenleaf Health Care
9520101	Greenwood Manor
9630389	Griffin Nursing Center
9150033	Griswold Care Center Inc
9380377	Grundy Care Center
9220982	Guttenberg Care Center
9920323	Halcyon House
9570963	Hallmark Care Ctr - Mount Vernon
9970179	Hallmark Care Ctr - Sioux City
9350330	Hampton Health Care Center
9750380	Happy Siesta Health Care Center
9070357	Harmony House Health Care Center
9180689	Heartland Care Center
9770236	Heather Manor

ID	Name
9420925	Heritage Care Ctr - Iowa Falls
9170260	Heritage Care Ctr - Mason City
9840843	Heritage House - Orange City
9150075	Heritage House - Atlantic
9310463	Heritage Manor - Dubuque
9500884	Heritage Manor - Newton
9570110	Heritage Nsg & Rehab Ctr - Cedar Rapids
9550822	Heritage Nursing Home - Bancroft
9570660	Hiawatha Care Center
9840877	Hillcrest Health Care Services
9090362	Hillcrest Home
9300353	Hilltop Care Center
9470420	Holstein Good Samaritan Center
9970145	Holy Spirit Retirement Home
9760020	Hovenden Memorial Good Samaritan Ctr
9420999	Hubbard Care Center
9460216	Humboldt Care Center North
9460116	Humboldt Care Center South
9970341	Indian Hills Nursing & Rehab Center
9780151	Indian Hills Nursing Center
9910035	Indianola Good Samaritan Center
9520052	Iowa City Rehab & Health Care Ctr
9770384	Iowa Jewish Senior Life Center
9820296	Iowa Masonic Health Facilities
9170134	Iowa Odd Fellows & Orphans Home

ID	Name	ID	Name
9640108	Iowa Veterans Home	9960169	M A Barthell Home
9820128	Kahl Home For Aged & Infirm	9080797	Madrid Home For The Aging
9410433	Kanawha Community Home	9240486	Manilla Manor
9770275	Karen Acres Healthcare Center	9980352	Manly Nursing & Rehab Center
9560133	Keokuk Convalescent Center	9540119	Manor House Care Center
9060263	Keystone Nursing Center	9650563	Manor Of Malvern
9750184	Kingsley Nursing & Rehab Center	9310225	Manorcare Health Services - Dubuque
9950927	Lake Mills Care Center	9570374	Manorcare Health Services - Cedar Rapids
9300598	Lake Park Care Center	9820400	Manorcare Health Services - Davenport
9740436	Lakeside Lutheran Home	9070361	Manorcare Health Services - Waterloo
9270594	Lamoni Nursing & Rehab Center	9130311	Manson Good Samaritan Center
9520096	Lantern Park Nursing & Rehab Center	9330221	Maple Crest Manor
9070581	Laporte City Nursing & Rehab Center	9670437	Maple Heights Nursing Home
9870126	Lenox Care Center	9540351	Maplewood Manor
9120718	Liebe Care Center	9490298	Maquoketa Care Center
9570847	Linn Manor Care Center	9940496	Marian Home
9830346	Little Flower Haven	9790277	Mayflower Home
9570245	Living Center East	9820624	Meadow Lawn Health Care
9570244	Living Center West	9160591	Mechanicsville Nursing & Rehab Center
9520118	Lone Tree Health Care Center Inc	9570440	Meth Wick Health Center
9210065	Longhouse-Northshire Ltd	9110001	Methodist Manor Retirement Community
9430093	Longview Home	9780508	Midlands Living Center L L P
9310452	Luther Manor	9300685	Milford Nursing Center
9700428	Lutheran Home Society	9770477	Mill Pond Retirement Community
9980326	Lutheran Retirement Home	9490158	Mill Valley Care Center
9600115	Lyon Manor Nursing & Rehab Center		

ID	Name
9770919	Mitchell Village Care Center
9680490	Monroe Care Center
9790180	Montezuma Nursing & Rehab Center
9530729	Monticello Nursing & Rehab Center
9560835	Montrose Health Center Inc
9580349	Morning Sun Care Center
9970122	Morningside Nursing & Rehabilitation Ctr
9470912	Morningside Rehab & Care Center
9800564	Mount Ayr Health Care Center
9700281	Muscatine Care Center
9500635	Nelson Manor
9510212	Nelson Nursing Home
9190569	New Hampton Care Center
9190741	New Hampton Nursing & Rehab Center
9440187	New London Nursing & Rehab Center
9620117	New Sharon Nursing & Rehab Center
9110005	Newell Good Samaritan Center
9340755	Nora Springs Care Center
9570720	Northbrook Manor Care Center
9780853	Northcrest Care & Rehabilitation
9850462	Northcrest Health Care Center
9030421	Northgate Care Center
9780147	Oakland Manor Nursing Home
9520402	Oaknoll Retirement Residence
9380345	Oakview Home

ID	Name
9170382	Oakwood Care Center
9680150	Oakwood Nursing & Rehab Center
9810297	Odebolt Nursing & Rehab Center
9330363	Oelwein Health Care Center
9080534	Ogden Manor
9770700	On With Life - Ankeny
9650726	On With Life At Glenwood
9960443	Oneota Riverview Care Facility
9660171	Osage Rehab & Health Care Center
9200593	Osceola Nursing & Rehab Center
9960404	Ossian Senior Hospice
9990279	Ottumwa Good Samaritan Center
9990432	Ottumwa Manor
9390067	Panora Nursing & Rehab Center
9500773	Park Centre
9810140	Park View Care Center
9290250	Park View Care Center Of Burlington Llc
9770185	Parkridge Nursing & Rehab Center
9510388	Parkview Care Center
9440318	Parkview Home
9920820	Parkview Manor - Wellman
9380386	Parkview Manor - Reinbeck
9070582	Parkview Nursing & Rehab Center
9450478	Patty Elwood Center

ID	Name
9710356	Paullina Care Center
9250714	Perry Health Care Center
9250186	Perry Lutheran Home
9840120	Pleasant Acres Care Center
9630309	Pleasant Care Living Center
9440237	Pleasant Manor Care Center
9620049	Pleasant Park Estates
9670072	Pleasant View Care Center
9110376	Pleasant View Home - Albert City
9920280	Pleasantview Home - Kalona
9750234	Plymouth Manor Care Center
9760036	Pocahontas Manor Care Center
9130259	Pomeroy Care Center
9030098	Postville Good Samaritan Center
9290810	Prairie Ridge Care & Rehabilitation
9710410	Prairie View Home
9710178	Primghar Rehab & Care Center
9770308	Ramsey Home
9070583	Ravenwood Nursing & Rehab Center
9690391	Red Oak Good Samaritan Center
9690094	Red Oak Rehab & Care Center
9910845	Regency Care Center
9660261	Riceville Community Rest Home
9820407	Ridgecrest Village
9990335	Ridgewood Nursing & Rehab Center

ID	Name
9780641	Risen Son Christian Village
9560878	River Hills Village - Keokuk
9700813	Riverbend Nursing & Rehab Center
9850173	Riverside Manor
9770202	Riverview Care Center
9820046	Riverview Manor
9600731	Rock Rapids Health Centre
9170575	Rockwell Community Nursing Home
9760761	Rolfe Care Center
9850819	Rolling Green Village
9480183	Rose Haven Nursing Home
9430306	Rose Vista Home
9290945	Rosebush Gardens Health Center
9320446	Rosewood Manor
9990337	Rotary Ann Home
9250459	Rowley Memorial Masonic Home
9830061	Salem Lutheran Home
9340469	Salsbury Baptist Home
9420232	Scenic Manor
9770155	Scottish Rite Park Health Care Center
9930181	Seymour Care Center
9130137	Shady Oaks Care Center
9310255	Shady Rest Care Center
9350857	Sheffield Care Center
9120086	Shell Rock Healthcare Center
9720763	Sibley Nursing & Rehab Center

ID	Name
9360156	Sidney Health Center
9540814	Sigourney Care Center
9700230	Simpson Memorial Home
9110599	Sioux Care Center
9970721	Siouxland Nursing & Rehabilitation Cente
9520272	Solon Nursing Care Center
9400756	Southfield Wellness Community
9640136	Southridge Nursing & Rehab Center
9250199	Spurgeon Manor
9660369	St Ansgar Good Samaritan Center
9790736	St Francis Manor
9210409	St Luke Lutheran Nursing Home
9660408	Stacyville Community Nursing Home
9690828	Stanton Care Center
9640152	State Center Nursing & Rehab Center
9310824	Stonehill Care Center
9400069	Stratford Nursing & Rehab Center
9220344	Strawberry Point Lutheran Home
9860470	Sunny Hill Care Center
9130168	Sunny Knoll Care Centre
9770233	Sunny View Care Center
9310304	Sunnycrest Manor
9860976	Sunnycrest Nursing Center
9860226	Sunrise Hill Care Center

ID	Name
9970316	Sunrise Retirement Community
9440235	Sunrise Terrace Care Center
9180325	Sunset Knoll Inc
9710198	Sutherland Care Center
9360577	Tabor Manor Care Center
9770539	The Abbey
9750489	The Abbey Of Lemars
9850636	The Abington On Grand
9230192	The Alverno Health Care Facility
9390375	The New Homestead Care Center
9420418	The Presbyterian Village Of Ackley
9910708	The Village
9060733	The Vinton Lutheran Home
9140430	Thomas Rest Haven
9030754	Thornton Manor Care Center
9950348	Timely Mission Nursing Home
9550241	Titonka Care Center
9770825	Trinity Center At Luther Park
9090393	Tripoli Nursing Home
9810342	Twilight Acres
9990752	U S A Health Care Ctr - Clarion
9940900	U S A Health Care Ctr - Fort Dodge
9500899	U S A Health Care Ctr - Newton
9770053	U S A Health Care Ctr - Urbandale
9170364	U S A Healthcare - Mason City
9770799	Union Park Health Services

ID	Name	ID	Name
9920303	United Presbyterian Home	9910176	Westview Of Indianola Care Center
9420077	Valley View Nursing & Rehab Center	9970354	Westwood Nursing & Rehab Center
9770333	Valley View Village	9230997	Wheatland Manor
9320167	Valley Vue Care Center	9480573	Williamsburg Care Center
9890248	Van Buren Good Samaritan Center	9470995	Willow Dale Wellness Center
9640803	Villa Del Sol	9570604	Willow Gardens Care Center
9690188	Villisca Good Samaritan Center	9700165	Wilton Retirement Community
9990687	Vista Woods Care Center	9070586	Windsor Nursing & Rehab Center
9580372	Wapello Nursing & Rehab Center	9570269	Winslow House Care Center
9920146	Washington Care Center	9610902	Winterset Care Center North
9030276	Waukon Good Samaritan Center	9610903	Winterset Care Center South
9770287	Wesley Acres	9090286	Woodland Terrace
9740851	West Bend Care Center	9230032	Wyndcrest Nursing Home
9610812	West Bridge Care & Rehabilitation		
9560646	West Point Care Center - West Point		Assisted Living Program
9570097	West Ridge Care Center - Cedar Rapids	9990133	Aase Haugen AI
9630121	West Ridge Nursing & Rehab Center	9990094	Afton Oaks AI
9330406	West Union Good Samaritan Center	9990019	Allen House
9100331	West Village Care Center	9990089	Amber Ridge
9860029	Westbrook Acres	9990046	Amelia House
9430203	Westmont Care Center	9990166	Apple Valley AI
9730816	Westridge Quality Care & Rehabilitation	9990072	Arbor Heights At University
9270214	Westview Acres Care Center	9990065	Arbor Place
9410815	Westview Care Center	9990081	Arlin Falck AI
		9990112	Arlington Place Of Grundy Center
		9990157	Arlington Place Of Oelwein
		9990137	Arlington Place Of Red Oak

ID	Name
9990143	Ashbrook Assisted Living
9990138	Avoca Lodge AI
9990007	Ballard Creek Community
9990102	Beehive Home AI - Sheldon
9990091	Beehive Home AI - Spencer
9990106	Beehive Home AI - Hawarden
9990024	Bickford Cottage - Ames
9990011	Bickford Cottage - Burlington
9990028	Bickford Cottage - Cedar Falls
9990010	Bickford Cottage - Clinton
9990054	Bickford Cottage - Davenport
9990008	Bickford Cottage - Ft Dodge
9990023	Bickford Cottage - Ia City
9990029	Bickford Cottage - Marion
9990012	Bickford Cottage - Marshalltown
9990009	Bickford Cottage - Muscatine
9990042	Bickford Cottage - Urbandale
9990043	Bickford Cottage - W Des Moines
9990006	Bickford Cottage I - Sioux City
9990063	Bickford Cottage li - Sioux City
9990044	Boulevard Place
9990016	Briarcliff Retirement Ctr
9990057	Calvin Community AI Services
9990119	Cardinal Grove
9990176	Cedars Of Madrid Homes
9990074	Char-Mac AI
9990124	Cherry Ridge

ID	Name
9990100	Clearview Estates AI
9990078	Clover Ridge
9990150	Community Memorial AI
9990151	Continental At St. Joseph's
9990120	Cornerstone AL
9990035	Cottage Grove Place
9990146	Country Haven Guest Homes, Ltd
9990017	Country House
9990128	Courtyard A.L.
9990177	Courtyard Terrace
9990125	Crown Pointe
9990108	Custom Care
9990175	Danbury Circle
9990033	Davenport Lutheran AI
9990099	Eagle Ridge AI
9990020	Eiler House
9990155	Ellen Kennedy Living Center
9990059	Elm Crest Retirement Comm
9990064	Elm Heights AI
9990095	Elm Springs AI Apts
9990169	Emerald Oaks
9990181	Emerson Point
9990154	Estabrook Lodge A. L.
9990135	Fieldcrest AL
9990062	Floyd House
9990131	Forest Plaza AI
9990172	Fountain View AI
9990076	Franken Manor

ID	Name
9990126	Franklin Prairie Apartments
9990052	Gabus Home
9990085	Garden View AI
9990165	Garner Farms Special Memory Care
9990113	Garnett Place
9990086	Glenwood Place
9990111	Hawthorne Inn At Windmill Pointe
9990014	Heartland Care Ctr AI
9990101	Heartwood Heights
9990056	Heritage Court
9990055	Heritage House
9990145	Hillcrest Court
9990038	Holy Spirit
9990015	Holy Spirit AL For Dementia
9990087	Homestead Acres
9990079	Jersey Ridge
9990092	Kensington
9990153	Kentucky Ridge Neighborhood AI
9990018	Keystone Senior Suites
9990152	Kingston Court
9990115	Kosgrove Estates
9990107	Lakeview Lodge
9990103	Lakeview Village
9990037	Landsmeer Ridge Retirement Comm
9990163	Legacy Gardens
9990116	Legacy Pointe
9990171	Lincolnway Villa AI

ID	Name
9990082	Lincolnwood AL
9990088	Linden Place AI
9990001	Longview Retirement Apts
9990034	Lutheran Home Apts
9990080	Madison Square AI
9990148	Maple Grove Senior Living
9990048	Maple Manor Village
9990136	Maple Ridge AI
9990002	Martina Place
9990045	Mason City Homestead
9990071	Mayflower AL
9990069	Meadows (The)
9990084	Meadows AL
9990159	Melrose Meadows Retirement Community
9990097	Mica Hill Estates
9990027	Mill Pond AI
9990123	Mulberry Place
9990182	Newton Village, Inc.
9990058	Northern Hills
9990105	Oak Estates
9990070	Oakland Heights
9990093	Oaknoll AL
9990139	Oakwood Place AI
9990132	Park Lane Village
9990021	Park Place Estates
9990110	Pennington Square
9990068	Perry Lutheran Home AI
9990061	Pioneer Place AI

ID	Name	ID	Name
9990149	Pleasant View Assisted Living	9990127	Sunset Park Place
9990083	Port Charles AI	9990031	Swan House
9990173	Prairie Creek Assisted Living	9990022	Sylvan Woods
9990039	Prairie View Inn	9990109	Terrace Park Sr Living
9990142	Premier Estates - Onawa	9990162	Timberland Village
9990047	Premier Estates - Rock Rapids	9990140	Valley Lodge AI
9990090	Promise House	9990121	Valley View Manor AI
9990013	Reed House	9990051	Villa Cottages
9990168	Reflections Assisted Living	9990026	Village Ridge
9990130	Ridgeway Place	9990174	Village Terrace AI
9990040	Riverview Terrace	9990179	Vintage Park Apartments
9990156	Rose Vista Assisted Living	9990167	Vriendschap Village AI
9990067	Rosebush Gardens	9990032	Waukon Living Ctr
9990147	Ruthven Community Care Center	9990096	WEL-LIFE At Alta
9990161	Scuyler Place Assisted Living	9990025	WEL-LIFE At Spirit Lake
9990098	Senior Suites	9990117	Wesley Acres Memory Loss Center
9990160	Silver Pond Assisted Living	9990075	Wesley Central AI
9990066	Silvercrest AI - Garner Farms	9990118	West Liberty AI Residences
9990041	Silvercrest Ames AI	9990036	Western Home AI
9990164	Silvercrest At The Woodlands	9990134	White Oak Estates
9990005	Sitler Ctr For Helpful Living	9990180	Willow Dale Wellness Village
9990114	Skiff Med Center AI	9990004	Willow Pointe
9990141	Southfield Wellness Community AI	9990122	Willows (The)
9990129	Spring Valley Senior AI	9990144	Windsor Place AI
9990060	Summit Heights	4977083	Mercy -Des Moines Inpatient Psychiatric
9990170	Sunnybrook AL		Other
9990030	Sunrise Villa	9999504	Morgue/Funeral Home/Coroner

ID	Name
9999503	Other Acute Care Med Facility
9999505	Other Clinic/Doctors Office
9999506	Other EMS Entity

ID	Name
9999501	Other Long Term Care Facility
9999500	Police/Law Enforcement
9999502	Residence

Appendix C

Iowa City/County FIPS

FIPS ID	Name
	Adair County
00100370	Adair
00102440	Arbor Hill
00104690	Barrett Superette (Rosserdale)
00105995	Berea
00108425	Bridgewater
00190333	Bridgewater (Township of)
00110360	Canby
00111395	Casey
00191248	Eureka (Township of)
00127705	Fisk
00128290	Fontanelle
00191608	Grand River (Township of)
00132790	Greenfield
00191755	Greenfield (Township of)
00191776	Grove (Township of)
00191854	Harrison (Township of)
00135625	Hebron
00137380	Howe
00192088	Jackson (Township of)
00192199	Jefferson (Township of)
00192397	Lee (Township of)
00192514	Lincoln (Township of)
00159565	Orient
00193198	Orient (Township of)
00193519	Prussia (Township of)
00193570	Richland (Township of)
00168880	Rosserdale
00175090	Stanzel

FIPS ID	Name
00175990	Stuart
00194032	Summerset (Township of)
00194035	Summit (Township of)
00194161	Union (Township of)
00194389	Walnut (Township of)
00194443	Washington (Township of)
00187600	Zion
	Adams County
00308740	Brooks
00310585	Carbon
00310720	Carl
00390471	Carl (Township of)
00390780	Colony (Township of)
00316500	Corning
00321380	Dickierville
00391020	Douglas (Township of)
00391626	Grant (Township of)
00339075	Iveyville
00392193	Jasper (Township of)
00344490	Lenox
00392517	Lincoln (Township of)
00345275	Lincoln Center
00351125	Mercer
00392916	Mercer (Township of)
00354570	Mount Etna
00355740	Nevinville
00356865	Nodaway
00393120	Nodaway (Township of)
00364560	Prescott

FIPS ID	Name
00393504	Prescott (Township of)
00365290	Quincy
00393531	Quincy (Township of)
00375900	Stringtown
00394164	Union (Township of)
00394446	Washington (Township of)
00385890	Williamson
	Allamakee County
00590582	Center (Township of)
00513260	Church
00518120	Dalby
00521945	Dorchester
00524262	Effiay Mounds National Monument
00524285	Egan
00524400	Eldergrove
00525185	Elon
00591290	Fairview (Township of)
00591383	Franklin (Township of)
00591488	French Creek (Township of)
00534275	Hanover
00591824	Hanover (Township of)
00534590	Harpers Ferry
00538445	Ion
00592049	Iowa (Township of)
00592202	Jefferson (Township of)
00592331	Lafayette (Township of)
00543275	Lansing
00592382	Lansing (Township of)
00592655	Linton (Township of)
00547145	Ludlow
00592727	Ludlow (Township of)
00547525	Lycurgus
00547570	Lyndale

FIPS ID	Name
00592799	Makee (Township of)
00550410	Maud
00555785	New Albin
00593255	Paint Creek (Township of)
00593468	Post (Township of)
00564290	Postville
00565145	Quandahl
00568970	Rossville
00573480	Sixteen
00594089	Taylor (Township of)
00594290	Union City (Township of)
00594293	Union Prairie (Township of)
00580940	Village Creek
00581435	Volney
00594596	Waterloo (Township of)
00582470	Waterville
00582740	Waukon
00582785	Waukon Junction
	Appanoose County
00790177	Bellair (Township of)
00708245	Brazil
00790435	Caldwell (Township of)
00712315	Centerville
00790640	Centerville
00712360	Centerville (sta.)
00790641	Centerville City (Township of)
00790642	Chariton (Township of)
00713395	Cincinnati
00713710	Clarkdale
00718480	Darbyville
00719270	Dean
00791023	Douglas (Township of)
00726310	Exline

FIPS ID	Name
00728335	Forbush
00791386	Franklin (Township of)
00729865	Garfield
00735920	Hiattsville
00737965	Iconium
00792016	Independence (Township of)
00739540	Jerome
00792271	Johns (Township of)
00792520	Lincoln (Township of)
00746020	Livingston
00748515	Maine
00749980	Martinstown
00753985	Moravia
00754390	Moulton
00755200	Mystic
00757945	Numa
00759645	Orleans
00763345	Plano
00793357	Pleasant (Township of)
00765730	Rathbun
00771445	Sedan
00793822	Sharon (Township of)
00775890	Streepyville
00776395	Sunshine
00794092	Taylor (Township of)
00777700	Thirty
00779410	Udell
00794155	Udell (Township of)
00794167	Union (Township of)
00779680	Unionville
00794329	Vermillion (Township of)
00794392	Walnut (Township of)
00782110	Walnut City
00794449	Washington (Township of)
00794638	Wells (Township of)

FIPS ID	Name
	Audubon County
00903655	Audubon
00990093	Audubon (Township of)
00908200	Brayton
00990453	Cameron (Township of)
00991026	Douglas (Township of)
00926265	Exira
00991260	Exira (Township of)
00927660	Fiscus
00929830	Gardner
00932565	Gray
00991728	Greeley (Township of)
00933915	Hamlin
00991815	Hamlin (Township of)
00940545	Kenfield
00941295	Kimballton
00943455	Larland
00992418	Leroy (Township of)
00992523	Lincoln (Township of)
00992910	Melville (Township of)
00956775	Nishna
00993153	Oakfield (Township of)
00968835	Ross
00972020	Sharon
00993825	Sharon (Township of)
00994362	Viola (Township of)
00981270	Viola Center
	Benton County
01103475	Atkins
01105590	Belle Plaine
01190178	Belle Plaine
01190179	Belle Plaine (Township of)
01190201	Benton (Township of)

FIPS ID	Name
01190237	Big Grove (Township of)
01106805	Blairstown
01190363	Bruce (Township of)
01190465	Canton (Township of)
01190522	Cedar (Township of)
01113035	Cheney
01191131	Eden (Township of)
01191161	Eldorado (Township of)
01191350	Florence (Township of)
01191455	Fremont (Township of)
01130000	Garrison
01191857	Harrison (Township of)
01191974	Homer (Township of)
01192052	Iowa (Township of)
01138910	Irving
01192091	Jackson (Township of)
01192289	Kane (Township of)
01141115	Keystone
01192421	Leroy (Township of)
01147505	Luzerne
01192964	Monroe (Township of)
01154435	Mount Auburn
01156055	Newhall
01157720	Norway
01193438	Polk (Township of)
01172480	Shellsburg
01193838	Shellsburg
01193839	Shellsburg (Township of)
01174290	Spencers Grove
01193732	St. Clair (Township of)
01194095	Taylor (Township of)
01194170	Union (Township of)
01179905	Urbana
01180400	Van Horne
01181210	Vinton

FIPS ID	Name
01194360	Vinton
01194361	Vinton (Township of)
01181840	Walford
01182515	Watkins
	Black Hawk County
01300820	Aladdin
01302890	Armour
01390126	Barclay (Township of)
01390198	Bennington (Township of)
01305805	Benson
01390234	Big Creek (Township of)
01390246	Black Hawk (Township of)
01308785	Brookside
01309505	Burk
01311575	Castle Hill
01390525	Cedar (Township of)
01311710	Cedar City
01311755	Cedar Falls
01390576	Cedar Falls (Township of)
01311800	Cedar Falls Junction
01321135	Dewar
01322845	Dunkerton
01391092	Eagle (Township of)
01323205	Eagle Center
01323880	East Waterloo
01391128	East Waterloo (Township of)
01324870	Elk Run Heights
01325995	Evansdale
01327570	Finchford
01391374	Fox (Township of)
01330675	Gilbertville
01330720	Gilbur
01331440	Glory
01335975	Hicks

FIPS ID	Name
01336435	Hilltop
01337470	Hudson
01339405	Janesville
01339975	Jubilee
01343365	La Porte City
01392427	Lester (Township of)
01392526	Lincoln (Township of)
01352185	Millerdale
01353130	Mona Junction
01393039	Mount Vernon (Township of)
01357180	North Cedar
01359430	Orange
01393186	Orange (Township of)
01393477	Poyner (Township of)
01365775	Raymar
01365820	Raymond
01393966	Spring Creek (Township of)
01394173	Union (Township of)
01381480	Voorhies
01382290	Washburn
01394452	Washington (Township of)
01394597	Waterloo
01382425	Waterloo
01394598	Waterloo (Township of)
01382440	Waterloo Municipal Airport
	Boone County
01590057	Amaqua (Township of)
01502215	Angus
01505185	Beaver
01590150	Beaver (Township of)
01506040	Berkley
01507480	Boone
01507750	Boxholm
01590489	Cass (Township of)

FIPS ID	Name
01512405	Centerville
01514815	Coal Valley
01590756	Colfax (Township of)
01590969	Des Moines (Township of)
01591002	Dodge (Township of)
01591029	Douglas (Township of)
01523565	East Boone
01525770	Ericson
01528920	Fraser
01591503	Garden (Township of)
01591629	Grant (Township of)
01591860	Harrison (Township of)
01592094	Jackson (Township of)
01539945	Jordan
01546200	Logansport
01547280	Luther
01548135	Mackey
01548450	Madrid
01592832	Marcy (Township of)
01552680	Mineral Ridge
01553040	Moingona
01555290	Napier
01556730	Niles
01558665	Ogden
01593291	Peoples (Township of)
01562850	Pilot Mound
01593330	Pilot Mound (Township of)
01566945	Ridgeport
01572345	Sheldahl
01594176	Union (Township of)
01586745	Wolf
01594782	Worth (Township of)
01594797	Yell (Township of)
	Bremer County

FIPS ID	Name
01703070	Artesian
01704150	Babcock
01708335	Bremer
01709055	Buck Creek
01790900	Dayton (Township of)
01720035	Denver
01791032	Douglas (Township of)
01791389	Franklin (Township of)
01729010	Frederika
01791440	Frederika (Township of)
01791458	Fremont (Township of)
01737245	Horton
01792097	Jackson (Township of)
01739405	Janesville
01792205	Jefferson (Township of)
01741700	Klinger
01741835	Knittel
01792334	Lafayette (Township of)
01792424	Le Roy (Township of)
01792898	Maxfield (Township of)
01755020	Murphy
01763210	Plainfield
01793441	Polk (Township of)
01765910	Readlyn
01774635	Spring Fountain
01776260	Sumner
01794045	Sumner
01794046	Sumner (Township of)
01794059	Sumner No. 2 (Township of)
01778915	Tripoli
01794425	Warren (Township of)
01794455	Washington (Township of)
01782875	Waverly
01794607	Waverly
01794608	Waverly (Township of)

FIPS ID	Name
01782920	Waverly Junction
	Buchanan County
01903835	Aurora
01908155	Brandon
01908990	Bryantsburg
01990384	Buffalo (Township of)
01990432	Byron (Township of)
01990816	Cono (Township of)
01921990	Doris
01926355	Fairbank
01991266	Fairbank (Township of)
01991461	Fremont (Township of)
01935580	Hazleton
01991902	Hazleton (Township of)
01991977	Homer (Township of)
01938100	Independence
01992208	Jefferson (Township of)
01939585	Jesup
01943005	Lamont
01992439	Liberty (Township of)
01945885	Littleton
01992751	Madison (Township of)
01992919	Middlefield (Township of)
01953580	Monti
01993096	Newton (Township of)
01960375	Otterville
01993294	Perry (Township of)
01965235	Quasqueton
01969060	Rowley
01971805	Shady Grove
01974955	Stanley
01994047	Sumner (Township of)
01994458	Washington (Township of)
01994656	Westburg (Township of)

FIPS ID	Name
01986565	Winthrop
	Buena Vista County
02100865	Albert City
02101495	Alta
02190129	Barnes (Township of)
02105500	Bel Air Beach
02190351	Brooke (Township of)
02111440	Casino Beach
02190822	Coon (Township of)
02191173	Elk (Township of)
02125455	Emerald Park
02191272	Fairfield (Township of)
02191632	Grant (Township of)
02134320	Hanover
02191887	Hayes (Township of)
02140080	Juniata
02142645	Lakeside
02192400	Lee (Township of)
02144745	Leverett
02192529	Lincoln (Township of)
02145480	Linn Grove
02192823	Maple Valley (Township of)
02149260	Marathon
02155965	Newell
02193078	Newell (Township of)
02193129	Nokomis (Township of)
02193435	Poland (Township of)
02193513	Providence (Township of)
02166360	Rembrandt
02193768	Scott (Township of)
02193927	Sioux Rapids
02173425	Sioux Rapids
02193928	Sioux Rapids (Township of)
02175630	Storm Lake

FIPS ID	Name
02194018	Storm Lake
02194019	Storm Lake (Township of)
02176080	Sulphur Springs
02179095	Truesdale
02194461	Washington (Township of)
02184720	West Storm Lake (Emerald Park)
	Butler County
02390030	Albion (Township of)
02301315	Allison
02302395	Aplington
02302620	Aredale
02303880	Austinville
02390153	Beaver (Township of)
02390195	Benezette (Township of)
02308560	Bristow
02390420	Butler (Township of)
02309745	Butler Center
02313755	Clarksville
02390753	Coldwater (Township of)
02316695	Coster
02390903	Dayton (Township of)
02322620	Dumont
02324620	Eleanor
02391464	Fremont (Township of)
02332745	Greene
02392100	Jackson (Township of)
02392211	Jefferson (Township of)
02341025	Kesley
02392754	Madison (Township of)
02392967	Monroe (Township of)
02355800	New Albion
02356145	New Hartford
02360870	Packard
02361590	Parkersburg

FIPS ID	Name
02362860	Pilot Rock
02393339	Pittsford (Township of)
02393633	Ripley (Township of)
02372435	Shell Rock
02393837	Shell Rock (Township of)
02373245	Sinclair
02376700	Swanton
02394464	Washington (Township of)
02394692	West Point (Township of)
02386060	Wilmar
	Calhoun County
02590423	Butler (Township of)
02590441	Calhoun (Township of)
02590528	Cedar (Township of)
02590585	Center (Township of)
02591215	Elm Grove (Township of)
02526940	Farnhamville
02591509	Garfield (Township of)
02591758	Greenfield (Township of)
02592103	Jackson (Township of)
02539900	Jolley
02541790	Knierim
02541880	Knoke
02592368	Lake City
02542465	Lake City
02592369	Lake City (Township of)
02592370	Lake Creek (Township of)
02543095	Lanedale (Iowa State Women's Reformatory)
02543770	Lavinia
02592532	Lincoln (Township of)
02592688	Logan (Township of)
02546245	Lohrville
02547730	Lytton
02548990	Manson

FIPS ID	Name
02563030	Piper
02564065	Pomeroy
02565685	Rands
02593546	Reading (Township of)
02566630	Richard
02567125	Rinard
02568295	Rockwell City
02593855	Sherman (Township of)
02572705	Sherwood
02573920	Somers
02594152	Twin Lakes (Township of)
02594179	Union (Township of)
02585530	Wieston
02585575	Wightman
02594734	Williams (Township of)
02587375	Yetter
	Carroll County
02702485	Arcadia
02790075	Arcadia (Township of)
02708290	Breda
02790475	Carroll
02711080	Carroll
02790476	Carroll (Township of)
02711110	Carrollton
02716050	Coon Rapids
02719450	Dedham
02791134	Eden (Township of)
02791254	Ewoldt (Township of)
02731395	Glidden
02791581	Glidden (Township of)
02791635	Grant (Township of)
02733645	Halbur
02792196	Jasper (Township of)
02792319	Kniest (Township of)

FIPS ID	Name
02743140	Lanesboro
02745030	Lidderdale
02748945	Manning
02792811	Manning
02749125	Maple River
02792820	Maple River (Township of)
02749135	Maple River Junction
02754525	Mount Carmel
02793099	Newton (Township of)
02793405	Pleasant Valley (Township of)
02765505	Ralston
02793573	Richland (Township of)
02768745	Roselle
02793699	Roselle (Township of)
02793840	Sheridan (Township of)
02777340	Templeton
02794182	Union (Township of)
02794426	Warren (Township of)
02794467	Washington (Township of)
02794704	Wheatland (Township of)
02785710	Willey
	Cass County
02902260	Anita
02903520	Atlantic
02990144	Bear Grove (Township of)
02990204	Benton (Township of)
02990336	Brighton (Township of)
02990492	Cass (Township of)
02917760	Cumberland
02921155	Dewey
02991155	Edna (Township of)
02991392	Franklin (Township of)
02991638	Grant (Township of)
02933150	Griswold

FIPS ID	Name
02991779	Grove (Township of)
02944805	Lewis
02992535	Lincoln (Township of)
02946470	Lorah
02947550	Lyman
02949575	Marne
02950250	Massena
02992892	Massena (Township of)
02993117	Noble (Township of)
02957730	Norway Center
02993360	Pleasant (Township of)
02993528	Pymosa (Township of)
02994185	Union (Township of)
02994350	Victoria (Township of)
02994470	Washington (Township of)
02986610	Wiota
	Cedar County
03105770	Bennett
03109010	Buchanan
03190495	Cass (Township of)
03111665	Cedar Bluff
03112045	Cedar Valley
031190588	Center (Township of)
031112135	Centerdale
031113530	Clarence
031190906	Dayton (Township of)
031122260	Downey
031122980	Durant
031191275	Fairfield (Township of)
031191317	Farmington (Township of)
031191467	Fremont (Township of)
031191593	Gower (Township of)

FIPS ID	Name
03135782	Herbert Hoover National Historic Site
03192046	Inland (Township of)
03192055	Iowa (Township of)
03145120	Lime City
03192643	Linn (Township of)
03146920	Lowden
03150340	Massillon
03192895	Massillon (Township of)
03150700	Mechanicsville
03193333	Pioneer (Township of)
03193552	Red Oak (Township of)
03167890	Rochester
03193654	Rochester (Township of)
03174550	Springdale
03193975	Springdale (Township of)
03193978	Springfield (Township of)
03175045	Stanwood
03194023	Sugar Creek (Township of)
03176305	Sunbury
03178285	Tipton
03181725	Wald
03183595	West Branch
03186015	Williamstown
03186070	Wilton
	Cerro Gordo County
03390135	Bath (Township of)
03309415	Burchinal
03310270	Cameron
03311260	Cartersville
03312585	Central Heights (West Mason City)
03390720	Clear Lake
03314025	Clear Lake
03390719	Clear Lake (Township of)

FIPS ID	Name
03390724	Clear Lake City (Township of)
03314070	Clear Lake Junction
03322080	Dougherty
03391017	Dougherty (Township of)
03325545	Emery
03391308	Falls (Township of)
03329100	Freeman
03391551	Geneseo (Township of)
03391641	Grant (Township of)
03391773	Grimes (Township of)
03334095	Hanford
03337695	Hurley
03392346	Lake (Township of)
03392508	Lime Creek (Township of)
03392538	Lincoln (Township of)
03392886	Mason (Township of)
03392890	Mason City
03350160	Mason City
03392891	Mason City (Township of)
03350175	Mason City Municipal Airport
03351420	Meservey
03393042	Mount Vernon (Township of)
03356910	Nora Springs
03393246	Owen (Township of)
03393408	Pleasant Valley (Township of)
03363885	Plymouth
03363930	Plymouth Junction
03364155	Portland
03393456	Portland (Township of)
03368025	Rock Falls
03368250	Rockwell
03376620	Swaledale

FIPS ID	Name
03377880	Thornton
03394188	Union (Township of)
03380580	Ventura
03380590	Ventura Heights
03384360	West Mason City (Central Heights)
03386475	Winnebago Heights
	Cherokee County
03590021	Afton (Township of)
03590063	Amherst (Township of)
03503745	Aurelia
03590531	Cedar (Township of)
03513080	Cherokee
03590654	Cherokee (Township of)
03514115	Cleghorn
03590996	Diamond (Township of)
03521315	Diamond Center
03527480	Fielding
03591602	Grand Meadow (Township of)
03543500	Larrabee
03592442	Liberty (Township of)
03549350	Marcus
03592829	Marcus (Township of)
03550025	Mary Hill
03551150	Meriden
03559160	Onawa Junction
03593321	Pilot (Township of)
03593336	Pitcher (Township of)
03565280	Quimby
03593657	Rock (Township of)
03593843	Sheridan (Township of)
03593891	Silver (Township of)
03593963	Spring (Township of)
03594113	Tilden (Township of)

FIPS ID	Name
03582380	Washta
03594740	Willow (Township of)
	Chickasaw County
03701540	Alta Vista
03704780	Bassett
03706235	Bethany Hall
03707795	Boyd
03707975	Bradford
03790324	Bradford (Township of)
03713170	Chickasaw
03790663	Chickasaw (Township of)
03790909	Dayton (Township of)
03719560	Deerfield
03790942	Deerfield (Township of)
03721090	Devon
03791083	Dresden (Township of)
03728965	Fredericksburg
03791437	Fredericksburg (Township of)
03738460	Ionia
03739170	Jacksonville
03792184	Jacksonville (Township of)
03739495	Jerico
03743815	Lawler
03745930	Little Turkey
03746440	Lonia
03755335	Nashua
03756100	New Hampton
03793081	New Hampton (Township of)
03757495	North Washington
03766310	Reilly Settlement
03766495	Republic
03793576	Richland (Township of)
03770770	Saude

FIPS ID	Name
03794008	Stapleton (Township of)
03794299	Utica (Township of)
03794473	Washington (Township of)
03786020	Williamstown
	Clarke County
03991077	Doyle (Township of)
03991395	Franklin (Township of)
03991470	Fremont (Township of)
03991740	Green Bay (Township of)
03937110	Hopeville
03992106	Jackson (Township of)
03939360	Jamison
03939425	Jay
03992322	Knox (Township of)
03942195	Lacelle
03944625	Leslie
03944895	Liberty
03992445	Liberty (Township of)
03992757	Madison (Township of)
03955065	Murray
03993212	Osceola
03959835	Osceola
03993213	Osceola (Township of)
03993217	Osceola City (Township of)
03960300	Ottawa
03973670	Smyrna
03994134	Troy (Township of)
03994422	Ward (Township of)
03994476	Washington (Township of)
03986880	Woodburn
	Clay County
04190672	Clay (Township of)
04113800	Clay Siding

FIPS ID	Name
04116365	Corn Belt (Power Plant)
04116455	Cornell
04121360	Dickens
04191035	Douglas (Township of)
04126175	Everly
04128650	Fostoria
04191452	Freeman (Township of)
04191512	Garfield (Township of)
04130810	Gillett Grove
04191569	Gillett Grove (Township of)
04132970	Greenville
04191914	Herdland (Township of)
04192349	Lake (Township of)
04143185	Langdon
04192541	Lincoln (Township of)
04192691	Logan (Township of)
04192709	Lone Tree (Township of)
04146560	Lost Island Lake
04192901	Meadow (Township of)
04162625	Peterson
04193312	Peterson (Township of)
04193645	Riverton (Township of)
04168925	Rossie
04169105	Royal
04193912	Sioux (Township of)
04193955	Spencer
04174280	Spencer
04193956	Spencer (Township of)
04194038	Summit (Township of)
04194590	Waterford (Township of)
04183010	Webb
	Clayton County
04306400	Beulah
04390291	Boardman (Township of)

FIPS ID	Name
04390378	Buena Vista (Township of)
04390498	Cass (Township of)
04312645	Ceres
04313845	Clayton
04390705	Clayton (Township of)
04313890	Clayton Center
04315555	Communia
04390843	Cox Creek (Township of)
04323925	Eckards
04324060	Edgewood
04324262	Effiay Mounds National Monument
04391176	Elk (Township of)
04324690	Elkader
04324825	Elkport
04326615	Fairview
04326695	Famersburg
04326850	Farmersburg
04391311	Farmersburg (Township of)
04329235	Froelich
04329685	Garber
04329910	Garnavillo
04391542	Garnavillo (Township of)
04330495	Giard
04391566	Giard (Township of)
04391605	Grand Meadow (Township of)
04333330	Gunder
04333465	Guttenberg
04334425	Hardin
04336065	Highland
04391929	Highland (Township of)
04392214	Jefferson (Township of)
04345750	Littleport
04392685	Lodomillo (Township of)
04347055	Luana

FIPS ID	Name
04392808	Mallory (Township of)
04392841	Marion (Township of)
04349620	Marquette
04348000	McGregor
04348020	McGregor Heights
04350745	Mederville
04392913	Mendon (Township of)
04352410	Millville
04392943	Millville (Township of)
04353310	Monona
04392961	Monona (Township of)
04354365	Motor
04355425	National
04357135	North Buena Vista
04359790	Osborne
04360015	Osterdock
04364290	Postville
04393543	Read (Township of)
04370200	Saint Sebald
04393957	Sperry (Township of)
04370140	St. Olaf
04375855	Strawberry Point
04377735	Thomasville
04379230	Turkey River
04379880	Updegraff
04381345	Volga (corporate name for Volga City)
04394374	Volga (Township of)
04381390	Volga City (corporate name Volga)
04394380	Wagner (Township of)
04382560	Watson
04386790	Wood
	Clinton County
04501360	Almont

FIPS ID	Name
04502080	Andover
04506535	Big Rock
04506960	Bliedorn
04590267	Bloomfield (Township of)
04590354	Brookfield (Township of)
04508830	Browns
04508965	Bryant
04509225	Buena Vista
04509345	Bulgers Hollow
04509820	Calamus
04510135	Camanche
04590450	Camanche (Township of)
04590591	Center (Township of)
04512855	Charlotte
04590736	Clinton
04514430	Clinton
04590737	Clinton (Township of)
04514452	Clinton Municipal Airport
04521180	De Witt
04590993	De Witt (Township of)
04590927	Deep Creek (Township of)
04519720	Delmar
04591137	Eden (Township of)
04591194	Elk River (Township of)
04524850	Elk River Junction
04525275	Elvira
04525320	Elwood
04528155	Folletts
04531665	Goose Lake
04532025	Grand Mound
04591644	Grant (Township of)
04591818	Hampshire (Township of)
04535085	Hauntown
04592448	Liberty (Township of)
04546605	Lost Nation

FIPS ID	Name
04547010	Low Moor
04547640	Lyons
04548630	Malone
04557540	North Welton
04593171	Olive (Township of)
04593189	Orange (Township of)
04562670	Petersville
04567100	Riggs
04571850	Shaffton
04593828	Sharon (Township of)
04573470	Sixmile
04593990	Spring Rock (Township of)
04577205	Teeds Grove
04577385	Tenmile
04578600	Toronto
04594479	Washington (Township of)
04594593	Waterford (Township of)
04583370	Welton
04594641	Welton (Township of)
04583820	West Clinton
04584945	Wheatland
	Crawford County
04702755	Arion
04703340	Aspinwall
04703360	Astor
04706130	Berne
04707885	Boyer
04790315	Boyer (Township of)
04707900	Boyer River
04709145	Buck Grove
04712900	Charter Oak
04790648	Charter Oak (Township of)
04719765	Deloit
04719945	Denison

FIPS ID	Name
04790960	Denison (Township of)
04722215	Dow City
04791107	East Boyer (Township of)
04724960	Ells
04791587	Goodrich (Township of)
04791827	Hanover (Township of)
04791890	Hayes (Township of)
04792058	Iowa (Township of)
04792109	Jackson (Township of)
04740755	Kenwood
04741610	Kiron
04748855	Manilla
04792928	Milford (Township of)
04793003	Morgan (Township of)
04793114	Nishnabotny (Township of)
04793231	Otter Creek (Township of)
04793270	Paradise (Township of)
04766855	Ricketts
04771130	Schleswig
04793936	Soldier (Township of)
04794017	Stockholm (Township of)
04794191	Union (Township of)
04780130	Vail
04794482	Washington (Township of)
04794701	West Side (Township of)
04784675	West Side (Westside)
04784630	Westside (West Side)
04794743	Willow (Township of)
	Dallas County
04990003	Adams (Township of)
04900505	Adel
04990018	Adel (Township of)
04990156	Beaver (Township of)
04906645	Black Corners

FIPS ID	Name
04990300	Boone (Township of)
04907525	Booneville
04907660	Bouton
04914520	Clive
04990759	Colfax (Township of)
04990879	Dallas (Township of)
04918255	Dallas Center
04919135	Dawson
04921045	De Soto
04990972	Des Moines (Township of)
04921225	Dexter
04929820	Gardiner
04929975	Garretville
04930520	Gibbsville
04932160	Granger
04932205	Granger Homesteads
04991647	Grant (Township of)
04933060	Grimes
04933555	Hadden Hill
04940575	Kennedy
04992544	Lincoln (Township of)
04945390	Linden
04992646	Linn (Township of)
04952545	Minburn
04953940	Moran
04959700	Ortonville
04961400	Panther
04962355	Perry
04966045	Redfield
04993993	Spring Valley (Township of)
04994029	Sugar Grove (Township of)
04977655	The Meadows (State Hospital)
04994194	Union (Township of)
04979950	Urbandale

FIPS ID	Name
04980445	Van Meter
04994326	Van Meter (Township of)
04994395	Walnut (Township of)
04994485	Washington (Township of)
04982695	Waukee
04983910	West Des Moines
04986655	Wiscotta
04986970	Woodward
04987645	Zook Spur
	Davis County
05103250	Ash Grove
05105545	Belknap
05190268	Bloomfield
05107030	Bloomfield
05190269	Bloomfield (Township of)
05109370	Bunch
05110630	Carbon
05190732	Cleveland (Township of)
05122350	Drakesville
05191080	Drakesville (Township of)
05191263	Fabius (Township of)
05127975	Floris
05191377	Fox River (Township of)
05191782	Grove (Township of)
05192502	Lick Creek (Township of)
05147250	Lunsford
05192844	Marion (Township of)
05149530	Mark
05153445	Monterey
05161540	Paris
05161500	Paris (Bunch)
05193297	Perry (Township of)
05193480	Prairie (Township of)
05165055	Pulaski

FIPS ID	Name
05193693	Roscoe (Township of)
05193747	Salt Creek (Township of)
05170815	Savannah
05172850	Shunem
05193933	Soap Creek (Township of)
05175280	Steuben
05175315	Stiles
05178960	Troy
05194197	Union (Township of)
05184225	West Grove
05194677	West Grove (Township of)
05185080	White Elm
05194791	Wyacondah (Township of)
	Decatur County
05390276	Bloomington (Township of)
05390408	Burrell (Township of)
05390594	Center (Township of)
05319090	Davis City
05319315	Decatur (corporate name Decatur City)
05390921	Decatur (Township of)
05319360	Decatur City (corporate name for Decatur)
05391140	Eden (Township of)
05391323	Fayette (Township of)
05391398	Franklin (Township of)
05329775	Garden Grove
05391506	Garden Grove (Township of)
05330765	Giles
05332070	Grand River
05391611	Grand River (Township of)
05391806	Hamilton (Township of)
05336255	High Point
05391959	High Point (Township of)

FIPS ID	Name
05392380	Lamoni
05342960	Lamoni
05392381	Lamoni (Township of)
05344580	Le Roy
05344535	Leon
05392416	Leon
05392417	Leon (Township of)
05392712	Long Creek (Township of)
05393006	Morgan (Township of)
05393072	New Buda (Township of)
05363570	Pleasanton
05393579	Richland (Township of)
05377510	Terre Haute
05379275	Tuskeego
05380490	Van Wert
05383190	Weldon
05384045	Westerville
05386925	Woodland
05394776	Woodland (Township of)
	Delaware County
05590006	Adams (Township of)
05501405	Almoral
05501425	Almoral Spring
05590330	Bremen (Township of)
05509060	Buck Creek
05590750	Coffins Grove (Township of)
05515015	Colesburg
05590783	Colony (Township of)
05519630	Delaware
05590948	Delaware (Township of)
05519675	Delhi
05590957	Delhi (Township of)
05522800	Dundee
05523070	Dutchtown

FIPS ID	Name
05523115	Dyersville
05523430	Earlville
05524060	Edgewood
05591179	Elk (Township of)
05528400	Forestville
05530965	Gilt Edge
05532610	Greeley
05535535	Hazel Green
05591899	Hazel Green (Township of)
05591980	Honey Creek (Township of)
05537155	Hopkinton
05548810	Manchester
05550205	Masonville
05592946	Milo (Township of)
05593132	North Fork (Township of)
05559205	Oneida
05593177	Oneida (Township of)
05562580	Petersburg
05562535	Petersburg (sta.)
05593483	Prairie (Township of)
05593582	Richland (Township of)
05567845	Robinson
05568220	Rockville
05569465	Ryan
05570500	Sand Springs
05593945	South Fork (Township of)
05577925	Thorpe
05594200	Union (Township of)
	Des Moines County
05703700	Augusta
05705200	Beaverdale
05705275	Beaverdale Heights
05790207	Benton (Township of)
05790401	Burlington

FIPS ID	Name
05709550	Burlington
05790402	Burlington (Township of)
05709565	Burlington Municipal Airport
05790813	Concordia (Township of)
05790887	Danville
05718435	Danville
05790888	Danville (Township of)
05721630	Dodgeville
05791347	Flint River (Township of)
05791401	Franklin (Township of)
05729885	Garland
05737740	Huron
05792010	Huron (Township of)
05738505	Iowa Army Ammunition Plant
05792112	Jackson (Township of)
05740485	Kemper
05741430	Kingston
05742105	Kossuth
05743635	Latty
05750790	Mediapolis
05792906	Mediapolis
05751735	Middletown
05792924	Middletown
05757270	Northfield
05763480	Pleasant Grove
05793390	Pleasant Grove (Township of)
05764515	Prairie Grove
05764920	Prospect Hill
05768655	Roscoe
05774325	Sperry
05774640	Spring Grove
05794080	Tama (Township of)
05794203	Union (Township of)

FIPS ID	Name
05794488	Washington (Township of)
05783685	West Burlington
05794658	West Burlington
05787330	Yarmouth
05794803	Yellow Springs (Township of)
	Dickinson County
05903025	Arnolds Park
05990639	Center Grove (Township of)
05916995	Crandalls Lodge
05990999	Diamond Lake (Township of)
05924330	Egralharve
05991257	Excelsior (Township of)
05942600	Lake Park
05992379	Lakeville (Township of)
05992673	Lloyd (Township of)
05951465	Methodist Camp
05952095	Milford
05992931	Milford (Township of)
05953535	Montgomery
05958710	Okoboji
05993168	Okoboji (Township of)
05958935	Old Town
05959655	Orleans
05993585	Richland (Township of)
05993903	Silver Lake (Township of)
05974415	Spirit Lake
05993960	Spirit Lake (Township of)
05976440	Superior
05994062	Superior (Township of)
05977250	Templar Park
05977520	Terril
05978870	Triboji Beach

FIPS ID	Name
05981615	Wahpeton
05984450	West Okoboji
05994698	Westport (Township of)
	Dubuque County
06103160	Asbury
06104375	Balltown
06104395	Ballyclough
06104510	Bankston
06106085	Bernard
06109215	Budd
06110275	Cameron
06111305	Cascade
06190486	Cascade (Township of)
06111610	Cattese
06190597	Center (Township of)
06112180	Center Grove
06112630	Centralia
06190798	Concord (Township of)
06116710	Cottage Hill
06191005	Dodge (Township of)
06122395	Dubuque
06191085	Dubuque
06191086	Dubuque (Township of)
06122440	Dubuque Junction
06122455	Dubuque Municipal Airport
06122935	Durango
06123115	Dyersville
06123295	Eagle Point
06123855	East Rickardsville
06124195	Edmore
06125725	Epworth
06126490	Fair Ground
06126760	Farley
06127525	Fillmore

FIPS ID	Name
06127750	Five Points
06128085	Floyd School
06129205	Frith Spur
06131845	Graf
06136885	Holy Cross
06192061	Iowa (Township of)
06192217	Jefferson (Township of)
06140035	Julien
06192285	Julien (Township of)
06141160	Key West
06141340	King
06143615	Lattnerville
06192451	Liberty (Township of)
06146495	Lore
06147460	Luxemburg
06150295	Massey
06150855	Mekee
06193024	Mosalem (Township of)
06156550	New Vienna
06193108	New Wine (Township of)
06158800	Old Balltown
06162130	Peosta
06193309	Peru (Township of)
06163485	Pleasant Grove
06193498	Prairie Creek (Township of)
06166810	Rickardsville
06167980	Rockdale
06168690	Rose
06169690	Sageville
06172165	Shawondasse
06172660	Sherrill
06174235	Spechts Ferry
06169870	St. Catherines (King)
06194077	Table Mound (Township of)
06194098	Taylor (Township of)

FIPS ID	Name
06179350	Twin Springs
06194332	Vernon (Township of)
06194491	Washington (Township of)
06182350	Washington Mills
06182830	Waupeton
06194728	Whitewater (Township of)
06185705	Wilkins
06187060	Worthington
06187690	Zwingle
	Emmet County
06302935	Armstrong
06390081	Armstrong Grove (Township of)
06390600	Center (Township of)
06390963	Denmark (Township of)
06321675	Dolliver
06391209	Ellsworth (Township of)
06391221	Emmet (Township of)
06325860	Estherville
06391242	Estherville (Township of)
06333240	Gruver
06333735	Halfa
06391926	High Lake (Township of)
06337650	Huntington
06392079	Iowa Lake (Township of)
06392085	Jack Creek (Township of)
06392547	Lincoln (Township of)
06349080	Maple Hill
06365500	Raleigh
06367170	Ringsted
06394065	Swan Lake (Township of)
06394146	Twelve Mile Lake (Township of)
06381975	Wallingford

FIPS ID	Name
	Fayette County
06500835	Albany
06501450	Alpha
06502845	Arlington
06590090	Auburn (Township of)
06590120	Banks (Township of)
06590231	Bethel (Township of)
06508110	Brainard
06590603	Center (Township of)
06514250	Clermont
06590729	Clermont (Township of)
06521765	Donnan
06591071	Dover (Township of)
06591143	Eden (Township of)
06524510	Eldorado
06524645	Elgin
06526355	Fairbank
06591278	Fairfield (Township of)
06591324	Fayette
06527165	Fayette
06591325	Fayette (Township of)
06591473	Fremont (Township of)
06591845	Harlan (Township of)
06535310	Hawkeye
06538030	Illyria
06592013	Illyria (Township of)
06592220	Jefferson (Township of)
06545090	Lima
06550115	Maryville
06550610	Maynard
06558620	Oelwein
06559385	Oran
06593183	Oran (Township of)
06593411	Pleasant Valley (Township of)
06593522	Putnam (Township of)

FIPS ID	Name
06565550	Randalia
06566670	Richfield
06593771	Scott (Township of)
06593930	Smithfield (Township of)
06570050	St. Lucas
06574955	Stanley
06576260	Sumner
06577180	Taylorville
06594206	Union (Township of)
06581570	Wadena
06582650	Waucoma
06594702	West Union
06584765	West Union
06594703	West Union (Township of)
06594662	Westfield (Township of)
06584180	Westgate
06594761	Windsor (Township of)
	Floyd County
06703790	Aureola
06711140	Carrville
06790534	Cedar (Township of)
06712090	Cedar View
06712765	Charles City
06790645	Charles City
06790646	Charles City (Township of)
06715465	Colwell
06728020	Floyd
06791353	Floyd (Township of)
06728065	Floyd Crossing
06737365	Howardville
06749035	Maple Heights
06749305	Marble Rock
06751915	Midway
06793111	Niles (Township of)

FIPS ID	Name
06756910	Nora Springs
06756955	Nora Springs Junction
06758440	Oakwood
06793393	Pleasant Grove (Township of)
06764335	Powersville
06793648	Riverton (Township of)
06793681	Rock Grove (Township of)
06768070	Rockford
06793675	Rockford (Township of)
06768800	Roseville
06769195	Rudd
06793711	Rudd (Township of)
06793774	Scott (Township of)
06773020	Siding A
06793729	St. Charles (Township of)
06794158	Ulster (Township of)
06794209	Union (Township of)
06781930	Waller
06783730	West Charles City
	Franklin County
06900190	Ackley
06901090	Alexander
06908020	Bradford
06909460	Burdette
06912675	Chapin
06990739	Clinton (Township of)
06916815	Coulter
06922305	Dows
06927120	Faulkner
06930135	Geneva
06991557	Geneva (Township of)
06991650	Grant (Township of)
06991809	Hamilton (Township of)
06991819	Hampton

FIPS ID	Name
06933960	Hampton
06934365	Hansell
06992040	Ingham (Township of)
06943590	Latimer
06992403	Lee (Township of)
06992847	Marion (Township of)
06993009	Morgan (Township of)
06993030	Mott (Township of)
06958060	Oakland
06993156	Oakland (Township of)
06993216	Osceola (Township of)
06964110	Popejoy
06966270	Reeve
06993561	Reeve (Township of)
06993588	Richland (Township of)
06993702	Ross (Township of)
06993777	Scott (Township of)
06972210	Sheffield
06993833	Sheffield
06994493	Washington (Township of)
06994668	West Fork (Township of)
06994767	Wisner (Township of)
	Fremont County
07102035	Anderson
07104735	Bartlett
07190210	Benton (Township of)
07126985	Farragut
07191344	Fisher (Township of)
07191405	Franklin (Township of)
07191734	Green (Township of)
07133780	Hamburg
07191804	Hamburg
07138055	Imogene
07192679	Locust Grove (Township of)

FIPS ID	Name
07192760	Madison (Township of)
07148270	McPaul
07192970	Monroe (Township of)
07161950	Payne
07162175	Percival
07193486	Prairie (Township of)
07165640	Randolph
07193639	Riverside (Township of)
07167575	Riverton
07193651	Riverton (Township of)
07193703	Ross (Township of)
07193780	Scott (Township of)
07172525	Shenandoah
07173065	Sidney
07193885	Sidney (Township of)
07176170	Summit
07194078	Tabor
07176935	Tabor
07177970	Thurman
07194398	Walnut (Township of)
07194494	Washington (Township of)
	Greene County
07300460	Adaza
07390342	Bristol (Township of)
07390537	Cedar (Township of)
07313350	Churdan
07316095	Cooper
07318345	Dana
07390897	Dawson (Township of)
07326805	Farlin
07391404	Franklin (Township of)
07331980	Grand Junction
07391653	Grant (Township of)
07391746	Greenbrier (Township of)

FIPS ID	Name
07391830	Hardin (Township of)
07391932	Highland (Township of)
07337065	Hope
07392115	Jackson (Township of)
07339450	Jefferson
07392221	Jefferson
07392222	Jefferson (Township of)
07392286	Junction (Township of)
07392304	Kendrick (Township of)
07361815	Paton
07393276	Paton (Township of)
07365505	Ralston
07367215	Rippey
07371310	Scranton
07393804	Scranton (Township of)
07394497	Washington (Township of)
07394746	Willow (Township of)
07386430	Winkelmans
	Grundy County
07505140	Beaman
07590159	Beaver (Township of)
07590249	Black Hawk (Township of)
07509160	Buck Grove
07590675	Clay (Township of)
07590762	Colfax (Township of)
07515825	Conrad
07521405	Dike
07591281	Fairfield (Township of)
07591329	Felix (Township of)
07527300	Fern
07529075	Fredsville
07591560	German (Township of)
07591656	Grant (Township of)
07533195	Grundy Center

FIPS ID	Name
07536705	Holland
07539060	Ivester
07592550	Lincoln (Township of)
07592907	Melrose (Township of)
07554165	Morrison
07593258	Palermo (Township of)
07593414	Pleasant Valley (Township of)
07566315	Reinbeck
07593882	Shiloh (Township of)
07575720	Stout
07594500	Washington (Township of)
07583325	Wellsburg
07587510	Zaneta
	Guthrie County
07700370	Adair
07704240	Bagley
07790105	Baker (Township of)
07704960	Bayard
07790147	Bear Grove (Township of)
07790162	Beaver (Township of)
07711395	Casey
07790501	Cass (Township of)
07716050	Coon Rapids
07718165	Dale
07791008	Dodge (Township of)
07726715	Fanslers
07731305	Glendon
07791659	Grant (Township of)
07733420	Guthrie Center
07735805	Herndon
07791935	Highland (Township of)
07792118	Jackson (Township of)
07739225	Jamaica
07751105	Menlo

FIPS ID	Name
07753400	Monteith
07757090	North Branch
07793192	Orange (Township of)
07761320	Panora
07793279	Penn (Township of)
07793591	Richland (Township of)
07793807	Seely (Township of)
07775990	Stuart
07794020	Stuart (Township of)
07794110	Thompson (Township of)
07794212	Union (Township of)
07794302	Valley (Township of)
07794353	Victory (Township of)
07785395	Wichita
07787285	Yale
	Hamilton County
07906760	Blairsburg
07990264	Blairsburg (Township of)
07990302	Boone (Township of)
07990504	Cass (Township of)
07990722	Clear Lake (Township of)
07925050	Ellsworth
07991212	Ellsworth (Township of)
07991446	Freedom (Township of)
07991476	Fremont (Township of)
07991812	Hamilton (Township of)
07936300	Highview
07936930	Homer
07992019	Independence (Township of)
07939630	Jewell (corporate name Jewell Junction)
07939675	Jewell Junction (corporate name for Jewell)
07940215	Kamrar

FIPS ID	Name
07992454	Liberty (Township of)
07992553	Lincoln (Township of)
07992739	Lyon (Township of)
07992850	Marion (Township of)
07965595	Randall
07993696	Rose Grove (Township of)
07993783	Scott (Township of)
07974910	Stanhope
07975585	Stonega
07975810	Stratford
07994623	Webster (Township of)
07983145	Webster City
07994633	Webster City
07985800	Williams
07994737	Williams (Township of)
	Hancock County
08190069	Amsterdam (Township of)
08190096	Avery (Township of)
08190243	Bingham (Township of)
08190303	Boone (Township of)
08108605	Britt
08190348	Britt (Township of)
08190801	Concord (Township of)
08116590	Corwith
08190861	Crystal (Township of)
08117670	Crystal Lake
08119900	Denhart
08122710	Duncan
08191197	Ell (Township of)
08191200	Ellington (Township of)
08191239	Erin (Township of)
08128380	Forest City
08191515	Garfield (Township of)
08129955	Garner
08131575	Goodell

FIPS ID	Name
08135490	Hayfield
08137875	Hutchins
08140260	Kanawha
08141655	Klemme
08192457	Liberty (Township of)
08192763	Madison (Township of)
08192793	Magor (Township of)
08152140	Miller
08193207	Orthel (Township of)
08175360	Stilson
08194149	Twin Lake (Township of)
08186700	Woden
	Hardin County
08300100	Abbott Crossing
08300190	Ackley
08301045	Alden
08390036	Alden (Township of)
08309100	Buckeye
08390372	Buckeye (Township of)
08390678	Clay (Township of)
08314295	Cleves
08390804	Concord (Township of)
08323225	Eagle City
08324465	Eldora
08391157	Eldora
08391158	Eldora (Township of)
08391159	Eldora City (Township of)
08324555	Eldora Junction
08391206	Ellis (Township of)
08391245	Etna (Township of)
08329730	Garden City
08330585	Gifford
08391662	Grant (Township of)
08391833	Hardin (Township of)

FIPS ID	Name
08337425	Hubbard
08338640	Iowa Falls
08392121	Jackson (Township of)
08343860	Lawn Hill
08348360	Macy
08356415	New Providence
08360555	Owasa
08393363	Pleasant (Township of)
08393516	Providence (Township of)
08365370	Radcliffe
08367710	Robertson
08369000	Rough Woods Hill
08372615	Sherman
08393858	Sherman (Township of)
08375180	Steamboat Rock
08394125	Tipton (Township of)
08379545	Union
08394215	Union (Township of)
08385305	Whitten
08385700	Wilke
	Harrison County
08590039	Allen (Township of)
08505410	Beebeetown
08590318	Boyer (Township of)
08509865	Calhoun
08590444	Calhoun (Township of)
08509910	California Junction
08590507	Cass (Township of)
08590666	Cincinnati (Township of)
08590681	Clay (Township of)
08591038	Douglas (Township of)
08522890	Dunlap
08525905	Euclid
08527590	Findley

FIPS ID	Name
08534440	Hard Scratch
08591863	Harrison (Township of)
08592124	Jackson (Township of)
08592223	Jefferson (Township of)
08592343	La Grange (Township of)
08592556	Lincoln (Township of)
08545840	Little Sioux
08592664	Little Sioux (Township of)
08546155	Logan
08548495	Magnolia
08592790	Magnolia (Township of)
08552860	Missouri Valley
08552995	Modale
08553175	Mondamin
08593012	Morgan (Township of)
08559685	Orson
08562445	Persia
08563075	Pisgah
08593534	Raglan (Township of)
08567530	River Sioux
08593738	St. John (Township of)
08594101	Taylor (Township of)
08594218	Union (Township of)
08594503	Washington (Township of)
08586835	Woodbine
08587410	Yorkshire
	Henry County
08790114	Baltimore (Township of)
08710215	Cambridge
08790459	Canaan (Township of)
08790606	Center (Township of)
08716140	Coppock
08736390	Hillsboro
08792127	Jackson (Township of)

FIPS ID	Name
08792226	Jefferson (Township of)
08746965	Lowell
08792853	Marion (Township of)
08793036	Mount Pleasant
08754705	Mount Pleasant
08793037	Mount Pleasant (Township of)
08754795	Mount Union
08756325	New London
08793087	New London (Township of)
08758215	Oakland Mills
08758890	Olds
08768565	Rome
08770230	Salem
08793744	Salem (Township of)
08793786	Scott (Township of)
08776800	Swedesburg
08794122	Tippecanoe (Township of)
08778780	Trenton
08794131	Trenton (Township of)
08782965	Wayland
08794609	Wayne (Township of)
08784835	Westwood
08786385	Winfield
	Howard County
08990024	Afton (Township of)
08990033	Albion (Township of)
08907300	Bonair
08913125	Chester
08990657	Chester (Township of)
08917220	Cresco
08919110	Davis Corners
08925095	Elma
08927930	Florenceville
08991368	Forest City (Township of)

FIPS ID	Name
08991989	Howard (Township of)
08992001	Howard Center (Township of)
08992190	Jamestown (Township of)
08945060	Lidtke Mill
08945165	Lime Springs
08946740	Lourdes
08949100	Maple Leaf
08993090	New Oregon (Township of)
08993150	Oak Dale (Township of)
08993273	Paris (Township of)
08965010	Protivin
08966585	Riceville
08970680	Saratoga
08993756	Saratoga (Township of)
08971175	Schley
08980715	Vernon Springs
08994347	Vernon Springs (Township of)
	Humboldt County
09102980	Arnold
09190099	Avery (Township of)
09190165	Beaver (Township of)
09107210	Bode
09108065	Bradgate
09190834	Corinth (Township of)
09190871	Dakota (Township of)
09190872	Dakota City
09118075	Dakota City
09190945	Delana (Township of)
09130945	Gilmore City
09191785	Grove (Township of)
09134455	Hardy
09192003	Humboldt
09137560	Humboldt

FIPS ID	Name
09192004	Humboldt (Township of)
09192352	Lake (Township of)
09145975	Livermore
09147370	Lu Verne (corporate name for Luverne)
09147415	Luverne (corporate name Lu Verne)
09193138	Norway (Township of)
09160420	Ottosen
09162985	Pioneer
09166450	Renwick
09169375	Rutland
09193717	Rutland (Township of)
09193992	Springvale (Township of)
09177790	Thor
09194335	Vernon (Township of)
09194377	Wacousta (Township of)
09194620	Weaver (Township of)
	Ida County
09303115	Arthur
09390138	Battle (Township of)
09304870	Battle Creek
09390258	Blaine (Township of)
09390837	Corwin (Township of)
09391041	Douglas (Township of)
09329595	Galva
09391500	Galva (Township of)
09391518	Garfield (Township of)
09391665	Grant (Township of)
09391770	Griggs (Township of)
09391893	Hayes (Township of)
09336840	Holstein
09338010	Ida Grove
09392694	Logan (Township of)
09392814	Maple (Township of)

FIPS ID	Name
09393894	Silver Creek (Township of)
	Iowa County
09501720	Amana
09515870	Conroy
09590912	Dayton (Township of)
09523520	East Amana
09591227	English (Township of)
09591341	Fillmore (Township of)
09530180	Genoa Bluff
09531550	Gonoa Bluff
09591752	Greene (Township of)
09591878	Hartford (Township of)
09535985	High (High Amana)
09536030	High Amana
09591962	Hilton (Township of)
09536615	Holbrook
09536975	Homestead
09591983	Honey Creek (Township of)
09592064	Iowa (Township of)
09542150	Kosztka
09542330	Ladora
09592415	Lenox (Township of)
09592559	Lincoln (Township of)
09549395	Marengo
09592835	Marengo (Township of)
09551555	Middle (Middle Amana)
09551600	Middle Amana
09552230	Millersburg
09557225	North English
09561770	Parnell
09593324	Pilot (Township of)
09573965	South Amana
09594050	Sumner (Township of)
09594137	Troy (Township of)

FIPS ID	Name
09579890	Upper South Amana
09580805	Victor
09594506	Washington (Township of)
09583460	West (West Amana)
09583505	West Amana
09585845	Williamsburg
09594806	York (Township of)
	Jackson County
09702125	Andrew
09704330	Baldwin
09705635	Bellevue
09790180	Bellevue (Township of)
09790327	Brandon (Township of)
09708355	Bridgeport
09709165	Buckhorn
09790426	Butler (Township of)
09710405	Canton
09716745	Cottonville
09716925	Crab Town
09725410	Emeline
09791284	Fairfield (Township of)
09791314	Farmers Creek (Township of)
09729370	Fulton
09730020	Garry Owen
09732880	Green Island
09737785	Hurstville
09792067	Iowa (Township of)
09738865	Ironhills
09792130	Jackson (Township of)
09743050	La Motte
09742400	Lainsville
09749215	Maquoketa
09792826	Maquoketa (Township of)
09752050	Miles

FIPS ID	Name
09753265	Monmouth
09792958	Monmouth (Township of)
09785380	Nashville
09760330	Otter Creek
09793234	Otter Creek (Township of)
09760800	Ozark
09793300	Perry (Township of)
09793501	Prairie Springs (Township of)
09764605	Preston
09766260	Reeceville
09793594	Richland (Township of)
09769510	Sabula
09769555	Sabula Junction
09770365	Samoa
09773660	Smiths
09793948	South Fork (Township of)
09774065	South Garry Owen
09774460	Spragueville
09774505	Springbrook
09769960	St. Donatus
09775270	Sterling
09794107	Tete Des Morts (Township of)
09779355	Twin Springs
09794221	Union (Township of)
09780300	Van Buren
09794314	Van Buren (Township of)
09794509	Washington (Township of)
09787690	Zwingle
	Jasper County
09901810	Amboy
09904915	Baxter
09990381	Buena Vista (Township of)
09990711	Clear Creek (Township of)

FIPS ID	Name
09914700	Clyde
09915060	Colfax
09990975	Des Moines (Township of)
09991182	Elk Creek (Township of)
09991293	Fairview (Township of)
09929460	Galesburg
09931485	Goddard
09932700	Green Castle
09991920	Hickory Grove (Township of)
09992022	Independence (Township of)
09938775	Ira
09940440	Kellogg
09992301	Kellogg (Township of)
09941250	Killduff
09942870	Lambs Grove
09992736	Lynn Grove (Township of)
09947595	Lynnville
09992802	Malaka (Township of)
09992871	Mariposa (Township of)
09951485	Metz
09952815	Mingo
09953355	Monroe
09993033	Mound Prairie (Township of)
09955920	Newburg
09956505	Newton
09993102	Newton (Township of)
09958170	Oakland Acres
09960060	Oswalt
09993267	Palo Alto (Township of)
09993471	Poweshiek (Township of)
09964470	Prairie City
09965955	Reasnor
09993597	Richland (Township of)

FIPS ID	Name
09993672	Rock Creek (Township of)
09993861	Sherman (Township of)
09976035	Sully
09980175	Valeria
09980355	Vandalia
09994512	Washington (Township of)
	Jefferson County
10100145	Abingdon
10104825	Batavia
10105320	Beckwith
10190252	Black Hawk (Township of)
10108800	Brookville
10190366	Buchanan (Township of)
10190540	Cedar (Township of)
10190609	Center (Township of)
10115170	Collett
10116140	Coppock
10190978	Des Moines (Township of)
10123835	East Pleasant Plain
10191285	Fairfield
10126445	Fairfield
10191286	Fairfield (Township of)
10128695	Four Corners
10130450	Germanville
10131215	Glasgow
10192460	Liberty (Township of)
10144985	Libertyville
10145210	Linby
10146065	Lockridge
10192676	Lockridge (Township of)
10192682	Locust Grove (Township of)
10151395	Merrimac
10160915	Packwood
10161995	Pekin

FIPS ID	Name
10193282	Penn (Township of)
10162310	Perlee
10163615	Pleasant Plain
10193444	Polk (Township of)
10193708	Round Prairie (Township of)
10170275	Salina
10180625	Veo
10194401	Walnut (Township of)
	Johnson County
10.01900	Amish
10390240	Big Grove (Township of)
10390543	Cedar (Township of)
10390714	Clear Creek (Township of)
10316230	Coralville
10316680	Cosgrove
10316770	Cou Falls
10391119	East Lucas (Township of)
10325140	Elmira
10391479	Fremont (Township of)
10329325	Frytown
10391599	Graham (Township of)
10391836	Hardin (Township of)
10336345	Hills (CIRC name Old Mans Creek Bridge)
10392077	Iowa City
10338595	Iowa City
10392078	Iowa City (Township of)
10392229	Jefferson (Township of)
10339720	Joetown (Amish)
10392463	Liberty (Township of)
10392562	Lincoln (Township of)
10346335	Lone Tree
10392766	Madison (Township of)
10351825	Mid River

FIPS ID	Name
10392973	Monroe (Township of)
10354210	Morse
10356380	Newport
10393093	Newport (Township of)
10357360	North Liberty
10358035	Oakdale (State Sanatorium)
10358485	Oasis
10358845	Old Mans Creek Bridge (CIRC Hills)
10360645	Oxford
10393249	Oxford (Township of)
10393285	Penn (Township of)
10393417	Pleasant Valley (Township of)
10367395	River Junction
10393789	Scott (Township of)
10393831	Sharon (Township of)
10372030	Sharon Center
10372840	Shueyville
10373875	Solon
10376530	Sutleff
10376575	Sutliff
10376890	Swisher
10378060	Tiffin
10379365	Twin View Heights
10394224	Union (Township of)
10379725	University
10379770	University Heights
10380660	Vernon
10394515	Washington (Township of)
10394686	West Lucas (Township of)
10386025	Williamstown (Frytown)
10386160	Windham
	Jones County
10501765	Amber

FIPS ID	Name
10501990	Anamosa
10510405	Canton
10511305	Cascade
10590510	Cass (Township of)
10590519	Castle Grove (Township of)
10512225	Center Junction
10590684	Clay (Township of)
10513775	Clay Mills
10518185	Dales Ford
10523900	Eby's Mill
10524120	Edinburg
10526625	Fairview
10591296	Fairview (Township of)
10591761	Greenfield (Township of)
10533690	Hale
10591803	Hale (Township of)
10592133	Jackson (Township of)
10543230	Langworthy
10592725	Lovell (Township of)
10592769	Madison (Township of)
10549845	Martelle
10547985	McGargels Ford
10553625	Monticello
10554030	Morley
10556390	Newport
10558980	Olin
10559250	Onslow
10593252	Oxford (Township of)
10560690	Oxford Junction
10560735	Oxford Mills
10593600	Richland (Township of)
10593687	Rome (Township of)
10571220	Scotch Grove
10593765	Scotch Grove (Township of)
10574690	Springhole

FIPS ID	Name
10575540	Stone City
10577330	Temple Hill
10594518	Washington (Township of)
10594611	Wayne (Township of)
10587240	Wyoming
10594794	Wyoming (Township of)
	Keokuk County
10790009	Adams (Township of)
10790213	Benton (Township of)
10790717	Clear Creek (Township of)
10714790	Coal Creek
10719855	Delta
10791113	East Lancaster (Township of)
10791233	English River (Township of)
10730540	Gibson
10734545	Harper
10735445	Hayesville
10735670	Hedrick
10792136	Jackson (Township of)
10740980	Keota
10741070	Keswick
10741475	Kinross
10792337	Lafayette (Township of)
10743250	Lanscaster
10792466	Liberty (Township of)
10749935	Martinsburg
10757225	North English
10759070	Ollie
10761995	Pekin
10793342	Plank (Township of)
10793489	Prairie (Township of)
10766720	Richland
10793603	Richland (Township of)

FIPS ID	Name
10773110	Sigourney
10793888	Sigourney (Township of)
10774055	South English
10794014	Steady Run (Township of)
10777025	Talleyrand
10777835	Thornburg
10794317	Van Buren (Township of)
10794428	Warren (Township of)
10794521	Washington (Township of)
10783055	Webster
10794680	West Lancaster (Township of)
10784900	What Cheer
10785170	White Pigeon
	Kossuth County
10990037	Algona
10901135	Algona
10990038	Algona (Township of)
10904420	Bancroft
10990387	Buffalo (Township of)
10909685	Burt
10990417	Burt (Township of)
10990855	Cresco (Township of)
10991095	Eagle (Township of)
10927210	Fenton
10991332	Fenton (Township of)
10929415	Galbraith
10991521	Garfield (Township of)
10930345	Gerled
10991563	German (Township of)
10930405	German Valley
10991668	Grant (Township of)
10991767	Greenwood (Township of)
10934230	Hanna
10991866	Harrison (Township of)

FIPS ID	Name
10991905	Hebron (Township of)
10936570	Hobarton
10938955	Irvington
10992082	Irvington (Township of)
10940305	Keller
10942825	Lakota
10944130	Ledyard
10992394	Ledyard (Township of)
10992565	Lincoln (Township of)
10946290	Lone Rock
10946650	Lotts Creek
10992721	Lotts Creek (Township of)
10947370	Lu Verne (corporate name for Luverne)
10992730	Lu Verne (Township of)
10947415	Luverne (corporate name Lu Verne)
10993426	Plum Creek (Township of)
10993459	Portland (Township of)
10993492	Prairie (Township of)
10993537	Ramsey (Township of)
10993636	Riverdale (Township of)
10971535	Seneca
10993810	Seneca (Township of)
10971715	Sexton
10993864	Sherman (Township of)
10993981	Springfield (Township of)
10969825	St. Benedict
10970005	St. Joseph
10975285	Stevens
10994071	Swea (Township of)
10976755	Swea City
10978330	Titonka
10994227	Union (Township of)
10983415	Wesley
10994644	Wesley (Township of)

FIPS ID	Name
10983550	West Bend
10985260	Whittemore
10994731	Whittemore (Township of)
	Lee County
11102710	Argyle
11107120	Bluff Park
11190546	Cedar (Township of)
11112810	Charleston
11190647	Charleston (Township of)
11117625	Croton
11119990	Denmark
11190966	Denmark (Township of)
11190981	Des Moines (Township of)
11121810	Donnellson
11128605	Fort Madison
11128740	Franklin
11191407	Franklin (Township of)
11129505	Galland
11191743	Green Bay (Township of)
11133825	Hamill (Mount Hamill)
11191869	Harrison (Township of)
11137335	Houghton
11192139	Jackson (Township of)
11192232	Jefferson (Township of)
11192311	Keokuk
11140845	Keokuk
11192312	Keokuk (Township of)
11192772	Madison (Township of)
11192856	Marion (Township of)
11153760	Montrose
11193000	Montrose (Township of)
11153805	Mooar
11154615	Mount Hamill
11155875	New Boston

FIPS ID	Name
11162805	Pilot Grove
11193402	Pleasant Ridge (Township of)
11164695	Primrose
11170455	Sand Prairie Station (Vincennes)
11170545	Sandusky
11170860	Sawyer
11172025	Sharon
11173970	South Augusta
11170185	St. Paul
11176215	Summitville
11194320	Van Buren (Township of)
11180850	Viele
11181030	Vincennes
11194524	Washington (Township of)
11184585	West Point
11194695	West Point (Township of)
11184855	Wever
	Linn County
11301000	Alburnett
11301155	Alice
11306175	Bertram
11390228	Bertram (Township of)
11306445	Beverly
11390312	Boulder (Township of)
11390360	Brown (Township of)
11390390	Buffalo (Township of)
11311845	Cedar Hills
11312000	Cedar Rapids
11390577	Cedar Rapids
11312015	Cedar Rapids Municipal Airport
11312270	Center Point

FIPS ID	Name
11312495	Central City
11390738	Clinton (Township of)
11314925	Coggon
11390774	College (Township of)
11316905	Covington
11317040	Crandic
11317310	Crestwood
11317400	Crestwood Acres
11322170	Dove
11325365	Ely
11326400	Fairfax
11391269	Fairfax (Township of)
11391326	Fayette (Township of)
11327615	First Street
11391410	Franklin (Township of)
11391671	Grant (Township of)
11335940	Hiawatha
11338190	Indian Creek
11392142	Jackson (Township of)
11339960	Jordans Grove
11340800	Kenwood Park
11342060	Konigsmark
11342375	Lafayette
11345300	Lincolnway Village
11392649	Linn (Township of)
11345525	Linn Junction
11345615	Lisbon
11346695	Louisa
11347685	Lyons
11392796	Maine (Township of)
11349485	Marion
11392859	Marion (Township of)
11351960	Midway
11392976	Monroe (Township of)
11354840	Mount Vernon

FIPS ID	Name
11355900	New Buffalo
11357555	Northwest
11360150	Otis
11393237	Otter Creek (Township of)
11361230	Palo
11361455	Paralta
11361545	Paris
11362940	Pinney
11364425	Prairieburg
11393525	Putnam (Township of)
11393538	Rapids (Township of)
11367800	Robins
11368450	Rogers
11372120	Shaver
11393987	Spring Grove (Township of)
11374775	Springville
11378420	Toddville
11379005	Troy Mills
11380760	Vernon View
11381255	Viola
11381525	Waconia
11381840	Walford
11381885	Walker
11394527	Washington (Township of)
11382605	Waubeek
11383955	Western
11384000	Western College (Western)
11385350	Whittier
11387105	Worthington Acres
	Louisa County
11509775	Cairo
11515375	Columbus City
11590792	Columbus City (Township of)

FIPS ID	Name
11515420	Columbus Junction
11590807	Concord (Township of)
11516725	Cotter
11591170	Eliot (Township of)
11591218	Elm Grove (Township of)
11525230	Elrick
11525245	Elrick Junction
11529055	Fredonia
11531125	Gladwin
11532115	Grandview
11591620	Grandview (Township of)
11592235	Jefferson (Township of)
11544715	Letts
11549710	Marsh
11592874	Marshall (Township of)
11554120	Morning Sun
115393018	Morning Sun (Township of)
11556405	Newport
11593159	Oakland (Township of)
11558395	Oakville
11593465	Port Louisa (Township of)
11578505	Toolesboro
11594230	Union (Township of)
11582200	Wapello
11594416	Wapello (Township of)
11584247	West Keithsburg
11587195	Wyman
	Lucas County
11705520	Belinda
11790216	Benton (Township of)
11790549	Cedar (Township of)
11790643	Chariton
11712720	Chariton
11790644	Chariton (Township of)

FIPS ID	Name
11720125	Derby
11791230	English (Township of)
11733345	Gunwald
11738350	Indianola Junction
11792145	Jackson (Township of)
11743545	Last Chance
11792469	Liberty (Township of)
11792568	Lincoln (Township of)
11747100	Lucas
11755830	Newbern
11757810	Norwood
11758260	Oakley
11759080	Olmitz
11793240	Otter Creek (Township of)
11793366	Pleasant (Township of)
11765070	Purdy
11769285	Russell
11778275	Tipperary
11794233	Union (Township of)
11794431	Warren (Township of)
11794530	Washington (Township of)
11794713	Whitebreast (Township of)
11785935	Williamson
	Lyon County
11990051	Allison (Township of)
11901675	Alvord
11905725	Beloit
11990579	Centennial (Township of)
11990735	Cleveland (Township of)
11990873	Dale (Township of)
11921900	Doon
11991014	Doon (Township of)
11924240	Edna
11991164	Elgin (Township of)

FIPS ID	Name
11991524	Garfield (Township of)
11930225	George
11932250	Granite
11991674	Grant (Township of)
11938415	Inwood
11941745	Klondike
11943410	Larchwood
11992385	Larchwood (Township of)
11944670	Lester
11992436	Liberal (Township of)
11945795	Little Rock
11992697	Logan (Township of)
11992742	Lyon (Township of)
1192925	Midland (Township of)
11993606	Richland (Township of)
11993642	Riverside (Township of)
11993660	Rock (Township of)
11968160	Rock Rapids
11993915	Sioux (Township of)
11994707	Wheeler (Township of)
	Madison County
12104600	Barney
12106490	Bevington
12190611	Center (Township of)
12114630	Clucas
12190846	Crawford (Township of)
12191044	Douglas (Township of)
12123340	Earlham
12123790	East Peru (corporate name for Peru)
12191614	Grand River (Township of)
12134140	Hanley
12192148	Jackson (Township of)
12192238	Jefferson (Township of)
12192406	Lee (Township of)

FIPS ID	Name
12192571	Lincoln (Township of)
12148180	Macksburg
12192775	Madison (Township of)
12151690	Middle River
12192979	Monroe (Township of)
12193165	Ohio (Township of)
12158865	Old Peru
12161860	Patterson
12193288	Penn (Township of)
12162490	Peru (corporate name East Peru)
12163165	Pitzer
12193792	Scott (Township of)
12193942	South (Township of)
12169915	St. Charles
12179140	Truro
12179250	Turro
12194236	Union (Township of)
12194404	Walnut (Township of)
12183100	Webster
12194626	Webster (Township of)
12186340	Winear
12194765	Winterset
12186520	Winterset
	Mahaska County
12390012	Adams (Township of)
12304555	Barnes City
12305050	Beacon
12305565	Bellefountain
12390255	Black Oak (Township of)
12311620	Cedar
12390552	Cedar (Township of)
12317420	Cricket
12391110	East Des Moines (Township of)

FIPS ID	Name
12323970	Eddyville
12325950	Evans
12326040	Evans Junction
12326110	Eveland
12329190	Fremont
12391527	Garfield (Township of)
12330990	Givin
12391872	Harrison (Township of)
12338145	Indianapolis
12392241	Jefferson (Township of)
12340890	Keomah Village
12342240	Lacey
12342780	Lakonta
12344310	Leighton
12392574	Lincoln (Township of)
12392778	Madison (Township of)
12392982	Monroe (Township of)
12356460	New Sharon
12359025	Olivet
12359925	Oskaloosa
12393218	Oskaloosa
12393219	Oskaloosa (Township of)
12362085	Peoria
12393396	Pleasant Grove (Township of)
12393495	Prairie (Township of)
12393609	Richland (Township of)
12368700	Rose Hill
12393795	Scott (Township of)
12393969	Spring Creek (Township of)
12374770	Spring Valley
12376980	Taintor
12379050	Truax (Lakonta)
12394239	Union (Township of)
12379635	Union Mills
12379815	University Park

FIPS ID	Name
12394659	West Des Moines (Township of)
12394722	White Oak (Township of)
12385755	William Penn College
12387150	Wright
	Marion County
12503565	Attica
12504890	Bauer
12509730	Bussey
12510065	Caloma
12512540	Central College
12590687	Clay (Township of)
12515330	Columbia
12518210	Dallas
12590882	Dallas (Township of)
12521785	Donnelley
12521855	Donnelly
12523025	Durham
12527795	Flagler
12591413	Franklin (Township of)
12531685	Gosport
12533870	Hamilton
12534860	Harvey
12592028	Indiana (Township of)
12542015	Knoxville
12592328	Knoxville (Township of)
12592376	Lake Prairie (Township of)
12592472	Liberty (Township of)
12550070	Marysville
12550925	Melcher
12550935	Melcher-Dallas
12555605	Nepas
12555830	Newbern
12560195	Otley

FIPS ID	Name
12561005	Painted Rocks
12561680	Park Hills
12562040	Pella
12562400	Pershing
12593399	Pleasant Grove (Township of)
12563750	Pleasantville
12593558	Red Rock (Township of)
12566225	Red Rock Lakeview
12594041	Summit (Township of)
12576665	Swan
12578690	Tracy
12594242	Union (Township of)
12594533	Washington (Township of)
	Marshall County
12700955	Albion
12704465	Bangor
12790117	Bangor (Township of)
12708620	Bromley
12714160	Clemons (Clemons Grove)
12714205	Clemons Grove (Clemons)
12721450	Dillon
12722665	Dunbar
12791146	Eden (Township of)
12724015	Edenville
12727255	Ferguson
12730900	Gilman
12732925	Green Mountain
12791749	Greencastle (Township of)
12735220	Haverhill
12792070	Iowa (Township of)
12792244	Jefferson (Township of)
12742915	LaMoille
12743680	Laurel
12744220	Le Grand

FIPS ID	Name
12792412	Le Grand (Township of)
12792475	Liberty (Township of)
12745660	Liscomb
12792658	Liscomb (Township of)
12792700	Logan (Township of)
12747265	Luray
12749440	Marietta
12792838	Marietta (Township of)
12792862	Marion (Township of)
12792877	Marshall (Township of)
12749755	Marshalltown
12750880	Melbourne
12752725	Minerva
12792952	Minerva (Township of)
12752770	Minerva Jct.
12753250	Moningers
12762715	Pickering
12764380	Powerville
12765190	Quarry
12766540	Rhodes
12769780	St. Anthony
12775135	State Center
12794011	State Center (Township of)
12794104	Taylor (Township of)
12794116	Timber Creek (Township of)
12780310	Van Cleve
12794356	Vienna (Township of)
12794536	Washington (Township of)
12786765	Wolf Lake Addition
	Mills County
12990072	Anderson (Township of)
12904350	Balfour
12909630	Burr Oak
12990612	Center (Township of)

FIPS ID	Name
12913665	Clark
12914360	Climax
12990933	Deer Creek (Township of)
12925500	Emerson
12928200	Folsom
12931350	Glenwood
12991575	Glenwood (Township of)
12934995	Hastings
12935715	Henderson
12936415	Hillsdale
12992031	Indian Creek (Township of)
12992043	Ingraham (Township of)
12992745	Lyons (Township of)
12948720	Malvern
12992809	Malvern
12992810	Malvern (Township of)
12952635	Mineola
12993147	Oak (Township of)
12960815	Pacific City
12960825	Pacific Junction
12993354	Plattville (Township of)
12993540	Rawles (Township of)
12973155	Silver City
12993897	Silver Creek (Township of)
12973870	Solomon
12993741	St. Marys (Township of)
12975765	Strahan
12976935	Tabor
12985035	White Cloud
12994719	White Cloud (Township of)
	Mitchell County
13104285	Bailey
13108850	Brownville
13190411	Burr Oak (Township of)

FIPS ID	Name
13111035	Carpenter
13190555	Cedar (Township of)
13191047	Douglas (Township of)
13191116	East Lincoln (Township of)
13137830	Hustad
13192268	Jenkins (Township of)
13192478	Liberty (Township of)
13145705	Little Cedar
13148045	McIntire
13151330	Meroa
13151510	Meyer
13152905	Mitchell
13192955	Mitchell (Township of)
13153085	Mona (Hustad)
13156190	New Haven
13193075	Newburg (Township of)
13159520	Orchard
13159745	Osage
13193210	Osage (Township of)
13160285	Otranto
13193225	Otranto (Township of)
13166585	Riceville
13193663	Rock (Township of)
13167935	Rock Creek
13169735	St. Ansgar
13193726	St. Ansgar (Township of)
13174820	Stacyville
13194002	Stacyville (Township of)
13174865	Stacyville Junction
13178465	Toeterville
13194245	Union (Township of)
13194614	Wayne (Township of)
13194683	West Lincoln (Township of)
13184405	West Mitchell

FIPS ID	Name
	Monona County
13300850	Albaton
13390084	Ashton (Township of)
13390192	Belvidere (Township of)
13306940	Blencoe
13311530	Castana
13390615	Center (Township of)
13390828	Cooper (Township of)
13391299	Fairview (Township of)
13391416	Franklin (Township of)
13391677	Grant (Township of)
13332340	Grant Center
13392283	Jordan (Township of)
13340560	Kennebec
13392307	Kennebec (Township of)
13392355	Lake (Township of)
13392577	Lincoln (Township of)
13392817	Maple (Township of)
13349170	Mapleton
13353850	Moorhead
13359092	Omaha Indian Reservation
13393175	Onawa
13359115	Onawa
13393176	Onawa (Township of)
13368385	Rodney
13393867	Sherman (Township of)
13393918	Sioux (Township of)
13373785	Soldier
13393939	Soldier (Township of)
13393996	Spring Valley (Township of)
13393735	St. Clair (Township of)
13378015	Ticonic
13379185	Turin
13379995	Ute
13394671	West Fork (Township of)

FIPS ID	Name
13385215	Whiting
13394749	Willow (Township of)
	Monroe County
13500910	Albia
13503925	Avery
13590285	Bluff Creek (Township of)
13508380	Bridgeport
13508635	Brompton
13509200	Bucknell
13509760	Buxton
13590558	Cedar (Township of)
13515890	Consol
13523970	Eddyville
13528640	Foster
13591419	Franklin (Township of)
13528945	Frederic
13530270	Georgetown
13591800	Guilford (Township of)
13536525	Hiteman
13536590	Hocking
13592151	Jackson (Township of)
13546050	Lockman
13546830	Lovilia
13592812	Mantua (Township of)
13550475	Maxon
13550970	Melrose
13551530	Miami
13592985	Monroe (Township of)
13593369	Pleasant (Township of)
13566500	Rexfield
13571480	Selection
13572255	Shehan Siding
13594140	Troy (Township of)
13579385	Tyrone

FIPS ID	Name
13594248	Union (Township of)
13594296	Urbana (Township of)
13582240	Ward
13594617	Wayne (Township of)
13583235	Weller
	Montgomery County
13714880	Coburg
13791050	Douglas (Township of)
13791104	East (Township of)
13724915	Elliott
13791380	Frankfort (Township of)
13791530	Garfield (Township of)
13732295	Grant
13791680	Grant (Township of)
13735400	Hawthorne
13792580	Lincoln (Township of)
13748315	McPherson
13754255	Morton Mills (Mortons Mill)
13754300	Mortons Mill
13793327	Pilot Grove (Township of)
13766135	Red Oak
13793555	Red Oak (Township of)
13771190	Sciola
13793798	Scott (Township of)
13793870	Sherman (Township of)
13775000	Stanton
13775225	Stennett
13777470	Tenville
13777475	Tenville Junction
13780985	Villisca
13781795	Wales
137581950	Wallin
13794539	Washington (Township of)
13794647	West (Township of)

FIPS ID	Name
	Muscatine County
13902575	Ardon
13903385	Atalissa
13990279	Bloomington (Township of)
13990561	Cedar (Township of)
13915600	Cone (Conesville)
13915645	Conesville (Cone)
13917085	Cranston
13917715	Culver
13922980	Durant
13926580	Fairport
13929280	Fruitland
13991491	Fruitland (Township of)
13991494	Fulton (Township of)
13991590	Goshen (Township of)
13933600	Hahns Switch
13992358	Lake (Township of)
13952005	Midway Beach
13953715	Montpelier
13992997	Montpelier (Township of)
13954345	Moscow
13993027	Moscow (Township of)
13955110	Muscatine
13993048	Muscatine (Township of)
13956010	New Era
13956685	Nichols
13993204	Orono (Township of)
13993318	Pike (Township of)
13963660	Pleasant Prairie
13993816	Seventy-Six (Township of)
13974100	South Muscatine
13975450	Stockton
13994074	Sweetland (Township of)
13976845	Sweetland Center

FIPS ID	Name
13981705	Walcott
13994419	Wapsinonoc (Township of)
13984315	West Liberty
13986070	Wilton
13994758	Wilton (Township of)
13986115	Wilton Junction
	O'Brien County
14102530	Archer
14190108	Baker (Township of)
14190438	Caledonia (Township of)
14110090	Calumet
14190477	Carroll (Township of)
14190618	Center (Township of)
14190876	Dale (Township of)
14191356	Floyd (Township of)
14191422	Franklin (Township of)
14130090	Gaza
14130360	Germantown
14191683	Grant (Township of)
14134725	Hartley
14191884	Hartley (Township of)
14191938	Highland (Township of)
14192481	Liberty (Township of)
14192583	Lincoln (Township of)
14149155	Mapleside
14153220	Moneta
14193174	Omega (Township of)
14161905	Paullina
14162690	Philby
14163795	Plessis
14164650	Primghar
14167305	Ritter
14170410	Sanborn
14172390	Sheldon

FIPS ID	Name
14194044	Summit (Township of)
14176485	Sutherland
14194251	Union (Township of)
14194599	Waterman (Township of)
	Osceola County
14301225	Allendorf
14390054	Allison (Township of)
14303295	Ashton
14390111	Baker (Township of)
14314565	Cloverdale
14391302	Fairview (Township of)
14391572	Gilman (Township of)
14391584	Goewey (Township of)
14334635	Harris
14391875	Harrison (Township of)
14391968	Holman (Township of)
14391986	Horton (Township of)
14350565	May City
14351060	Melvin
14358530	Ocheyedan
14393162	Ocheyedan (Township of)
14372975	Sibley
14394365	Viola (Township of)
14394755	Wilson (Township of)
	Page County
14590066	Amity (Township of)
14506265	Bethesda
14506580	Bingham
14506895	Blanchard
14507930	Braddyville
14590369	Buchanan (Township of)
14513575	Clarinda
14514970	Coin

FIPS ID	Name
14590765	Colfax (Township of)
14515105	College Springs
14591053	Douglas (Township of)
14591125	East River (Township of)
14525815	Essex
14591482	Fremont (Township of)
14591686	Grant (Township of)
14591848	Harlan (Township of)
14535355	Hawleyville
14535760	Hepburn
14592586	Lincoln (Township of)
14593021	Morton (Township of)
14593054	Nebraska (Township of)
14593123	Nodaway (Township of)
14557045	Northboro
14557765	Norwich
14557990	Nyman
14560975	Page Center
14593315	Pierce (Township of)
14571895	Shambaugh
14572525	Shenandoah
14594086	Tarkio (Township of)
14594305	Valley (Township of)
14594542	Washington (Township of)
14587420	Yorktown
	Palo Alto County
14704105	Ayrshire
14790309	Booth (Township of)
14717895	Curlew
14717985	Cylinder
14720080	Depew
14791203	Ellington (Township of)
14725590	Emmetsburg
14791224	Emmetsburg (Township of)

FIPS ID	Name
14791287	Fairfield (Township of)
14726645	Fairville
14791335	Fern Valley (Township of)
14791449	Freedom (Township of)
14731800	Graettinger
14791725	Great Oak (Township of)
14791941	Highland (Township of)
14792025	Independence (Township of)
14792718	Lost Island (Township of)
14746560	Lost Island Lake
14748585	Mallard
14793060	Nevada (Township of)
14759880	Osgood
14768340	Rodman
14793714	Rush Lake (Township of)
14769330	Ruthven
14793906	Silver Lake (Township of)
14794338	Vernon (Township of)
14794407	Walnut (Township of)
14783550	West Bend
14794650	West Bend (Township of)
	Plymouth County
14900415	Adaville
14900775	Akron
14990060	America (Township of)
14908875	Brunsville
14916950	Craig
14918300	Dalton
14991167	Elgin (Township of)
14991188	Elkhorn (Township of)
14991443	Fredonia (Township of)
14991533	Garfield (Township of)
14991689	Grant (Township of)
14991821	Hancock (Township of)

FIPS ID	Name
14991908	Henry (Township of)
14936480	Hinton
14992007	Hungerford (Township of)
14939270	James
14992274	Johnson (Township of)
14941385	Kingsley
14944400	Le Mars
14992484	Liberty (Township of)
14992589	Lincoln (Township of)
14992865	Marion (Township of)
14992904	Meadow (Township of)
14951375	Merrill
14952365	Millnerville
14955650	Neptune
14958950	O'Leary
14960780	Oyens
14993303	Perry (Township of)
14993429	Plymouth (Township of)
14993462	Portland (Township of)
14993507	Preston (Township of)
14966405	Remsen
14993564	Remsen (Township of)
14969160	Ruble
14971580	Seney
14993921	Sioux (Township of)
14994005	Stanton (Township of)
14975945	Struble
14994254	Union (Township of)
14979590	Union Center
14994545	Washington (Township of)
14984270	West Le Mars (Dalton)
14984090	Westfield
14994665	Westfield (Township of)
14987135	Wren

FIPS ID	Name
	Pocahontas County
15190183	Bellville (Township of)
15190564	Cedar (Township of)
15190621	Center (Township of)
15190740	Clinton (Township of)
15190768	Colfax (Township of)
15116185	Cora
15190867	Cummins (Township of)
15190984	Des Moines (Township of)
15191074	Dover (Township of)
15128245	Fonda
15191536	Garfield (Township of)
15130945	Gilmore City
15191692	Grant (Township of)
15135130	Havelock
15192361	Lake (Township of)
15143725	Laurens
15192592	Lincoln (Township of)
15192670	Lizard (Township of)
15192880	Marshall (Township of)
15161050	Palmer
15163840	Plover
15163975	Pocahontas
15193474	Powhatan (Township of)
15165865	Rea
15167080	Ridotto
15193685	Rolfe
15168520	Rolfe
15193690	Roosevelt (Township of)
15193873	Sherman (Township of)
15194068	Swan Lake (Township of)
15180535	Varina
15182245	Ware
15184810	Westview

FIPS ID	Name
	Polk County
15300325	Acme
15300535	Adelphi
15301180	Alleman
15390042	Allen (Township of)
15301630	Altoona
15302170	Andrews
15302305	Ankeny
15303225	Ashawa
15304015	Avon
15304060	Avon Lake
15390168	Beaver (Township of)
15305230	Beaverdale
15306220	Berwick
15390270	Bloomfield (Township of)
15307390	Bondurant
15307705	Bowsher
15390456	Camp (Township of)
15310315	Camp Dodge (Military Reservation)
15310290	Campbell
15310335	Canary Lake
15310495	Capital Heights
15310540	Capitol Heights
15310675	Carbondale
15310765	Carlisle
15310945	Carney
15390690	Clay (Township of)
15314520	Clive
15314610	Clover Hills
15315285	Colonial Village
15315510	Commerce
15315915	Consumers Switch
15317355	Crestwood
15317445	Crocker
15390858	Crocker (Township of)

FIPS ID	Name
15390951	Delaware (Township of)
15321000	Des Moines
15390987	Des Moines (Township of)
15321015	Des Moines Municipal Airport
15391056	Douglas (Township of)
15323655	East Des Moines
15323700	East Fourteenth Street
15324735	Elkhart
15391185	Elkhart (Township of)
15325680	Enterprise
15327030	Farrar
15327840	Flint Junction
15328470	Fort Des Moines
15391371	Four Mile (Township of)
15391425	Franklin (Township of)
15331170	Glake
15331935	Grand
15333060	Grimes
15334950	Hastie
15335850	Herrold
15335965	Hickman Road
15336165	Highland Park
15338325	Indianola Heights
15339090	Ivy
15392247	Jefferson (Township of)
15339765	Johnston
15339810	Johnston Station
15392409	Lee (Township of)
15344775	Levey
15392595	Lincoln (Township of)
15346535	Loring
15346875	Lovington
15347235	Lundstrom Heights
15392781	Madison (Township of)
15349665	Marquissville

FIPS ID	Name
15347910	McCoy
15352320	Millman
15352950	Mitchellville
15357855	Norwoodville
15358305	Oak Park
15359340	Oralabor
15363435	Plaza Hills
15363525	Pleasant Hill
15364020	Polk City
15366900	Rider
15367260	Rising Sun
15369240	Runnells
15370635	Santiago
15370905	Saydel
15370950	Saylor
15393759	Saylor (Township of)
15370995	Saylorville
15393762	Saylorville Reservoir (Unorganized Territory of)
15372345	Sheldahl
15374010	South Des Moines
15376710	Swanwood
15394257	Union (Township of)
15379860	University Place
15379950	Urbandale
15394308	Valley (Township of)
15380220	Valley Junction
15394410	Walnut (Township of)
15394548	Washington (Township of)
15394629	Webster (Township of)
15383910	West Des Moines
15385125	White Oak
15386205	Windsor
15386250	Windsor Heights
15386940	Woodland Hills
15387465	Youngstown

FIPS ID	Name
	Pottawattamie County
15503205	Ascot
15503970	Avoca
15590174	Belknap (Township of)
15505870	Bentley
15507435	Boomer
15590297	Boomer (Township of)
15511170	Carson
15590483	Carson (Township of)
15511215	Carter Lake
15590624	Center (Township of)
15512965	Chautauqua
15513440	Clara
15516860	Council Bluffs
15517175	Crescent
15590852	Crescent (Township of)
15521585	Dodge Park
15522575	Dumfries
15524150	Edison
15526535	Fairmount Park
15528785	Franklin
15591545	Garner (Township of)
15530855	Gilliatt
15531260	Glendale Acres
15591788	Grove (Township of)
15534005	Hancock
15534050	Hancock Junction
15591839	Hardin (Township of)
15591896	Hazel Dell (Township of)
15537020	Honey Creek
15538235	Indian Creek
15539045	Island Park
15592187	James (Township of)
15592292	Kane (Township of)

FIPS ID	Name
15592298	Keg Creek (Township of)
15592325	Knox (Township of)
15592364	Lake (Township of)
15542510	Lake Manawa
15592388	Layton (Township of)
15592433	Lewis (Township of)
15592598	Lincoln (Township of)
15546380	Longfellow
15546785	Loveland
15547955	Macedonia
15592748	Macedonia (Township of)
15548405	Madison
15548765	Manawa (Lake Manawa)
15547865	McClelland
15552590	Minden
15592949	Minden (Township of)
15555560	Neola
15593057	Neola (Township of)
15593135	Norwalk (Township of)
15558080	Oakland
15562510	Peter
15562895	Pinehurst
15593372	Pleasant (Township of)
15564965	Prospect Park
15565270	Quick
15567755	Roberts Park
15593678	Rockford (Township of)
15568610	Roosevelt
15572300	Shelby
15593900	Silver Creek (Township of)
15577170	Taylor
15578240	Tinley
15578825	Treynor
15579320	Twin City Plaza Addition
15579500	Underwood

FIPS ID	Name
15594311	Valley (Township of)
15582065	Walnut
15594551	Washington (Township of)
15594605	Waveland (Township of)
15583640	West Broadway
15584495	Weston
15594785	Wright (Township of)
15594809	York (Township of)
15587400	York Center
	Poweshiek County
15704555	Barnes City
15790141	Bear Creek (Township of)
15708695	Brooklyn
15710990	Carnforth
15790660	Chester (Township of)
15719495	Deep River
15790930	Deep River (Township of)
15722370	Dresden
15726220	Ewart
15791695	Grant (Township of)
15791774	Grinnell
15733105	Grinnell
15791775	Grinnell (Township of)
15733285	Guernsey
15734770	Hartwick
15736660	Holiday Lake
15792154	Jackson (Township of)
15792250	Jefferson (Township of)
15792601	Lincoln (Township of)
15792784	Madison (Township of)
15748540	Malcom
15792805	Malcom (Township of)
15753490	Montezuma
15793375	Pleasant (Township of)

FIPS ID	Name
15793801	Scott (Township of)
15771355	Searsboro
15772570	Sheridan
15793846	Sheridan (Township of)
15794026	Sugar Creek (Township of)
15778125	Tilton
15794260	Union (Township of)
15780805	Victor
15794434	Warren (Township of)
15794554	Washington (Township of)
	Ringgold County
15990087	Athens (Township of)
15905095	Beaconsfield
15905905	Benton
15990219	Benton (Township of)
15913980	Clearfield
15990741	Clinton (Township of)
15919810	Delphos
15921270	Diagonal
15925005	Ellston
15991698	Grant (Township of)
15992253	Jefferson (Township of)
15940350	Kellerton
15942000	Knowlton
15992487	Liberty (Township of)
15992604	Lincoln (Township of)
15992724	Lotts Creek (Township of)
15948675	Maloy
15992922	Middle Fork (Township of)
15992988	Monroe (Township of)
15954480	Mount Ayr
15993034	Mount Ayr
15993035	Mount Ayr (Township of)
15993432	Poe (Township of)

FIPS ID	Name
15966000	Redding
15993567	Rice (Township of)
15993630	Riley (Township of)
15971940	Shannon City
15978195	Tingley
15994119	Tingley (Township of)
15994263	Union (Township of)
15994557	Washington (Township of)
15994602	Waubonsie (Township of)
	Sac County
16103610	Auburn
16190321	Boyer Valley (Township of)
16110855	Carnarvon
16190567	Cedar (Township of)
16190744	Clinton (Township of)
16190819	Cook (Township of)
16190825	Coon Valley (Township of)
16190954	Delaware (Township of)
16191059	Douglas (Township of)
16123475	Early
16191149	Eden (Township of)
16191251	Eureka (Township of)
16132385	Grant City
16192157	Jackson (Township of)
16142690	Lake View
16192430	Levey (Township of)
16147730	Lytton
16155515	Nemaha
16158575	Odebolt
16193612	Richland (Township of)
16193723	Sac (Township of)
16169645	Sac City
16171085	Schaller
16179455	Ulmer

FIPS ID	Name
16194368	Viola (Township of)
16182020	Wall Lake
16194383	Wall Lake (Township of)
16194710	Wheeler (Township of)
	Scott County
16390048	Allens Grove (Township of)
16301945	Amity
16302665	Argo
16306355	Bettendorf
16306535	Big Rock
16307075	Blue Grass
16390282	Blue Grass (Township of)
16309235	Buffalo
16390393	Buffalo (Township of)
16309325	Buffalo Heights
16390429	Butler (Township of)
16312450	Central
16312660	Chapel Hill
16390726	Cleona (Township of)
16319000	Davenport
16390893	Davenport
16390894	Davenport City (Township of)
16321540	Dixon
16321720	Donahue
16322980	Durant
16323610	East Davenport
16324105	Edgewood Park
16324600	Eldridge
16326130	Evergreen (Trailer Park)
16329640	Gambrill
16332430	Grant Wood
16332655	Green Acres
16391923	Hickory Grove (Township of)

FIPS ID	Name
16338685	Iowana
16339315	Jamestown
16342420	Lake Canyada
16344085	Le Claire
16392391	Le Claire (Township of)
16392490	Liberty (Township of)
16392607	Lincoln (Township of)
16345570	Linwood
16345725	Little Groves
16346425	Long Grove
16350655	Maysville (Amity)
16347820	McCausland
16354660	Mount Joy
16355245	Nahant
16355940	New Dixon
16356280	New Liberty
16357585	Northwest
16358350	Oakton
16361365	Panorama Park
16361725	Park View
16363255	Plain View (Plainview)
16363300	Plainview
16363705	Pleasant Valley
16393420	Pleasant Valley (Township of)
16364740	Princeton
16393510	Princeton (Township of)
16364785	Probstei
16365100	Quad Cities
16366990	Ridgeview Park
16367350	Riverdale
16368115	Rockingham
16393849	Sheridan (Township of)
16378105	Tile Works
16381705	Walcott
16382155	Walnut Grove

FIPS ID	Name
16383865	West Davenport
16385620	Wildwood Camp
16394764	Winfield (Township of)
	Shelby County
16507570	Botna
16590513	Cass (Township of)
16590627	Center (Township of)
16590693	Clay (Township of)
16516320	Corley
16519585	Defiance
16591062	Douglas (Township of)
16523385	Earling
16524780	Elk Horn
16591305	Fairview (Township of)
16591731	Greeley (Township of)
16591791	Grove (Township of)
16591849	Harlan
16534500	Harlan
16591850	Harlan (Township of)
16539000	Irwin
16592160	Jackson (Township of)
16539180	Jacksonville
16592256	Jefferson (Township of)
16541520	Kirkman
16592610	Lincoln (Township of)
16549010	Manteno
16592991	Monroe (Township of)
16561275	Panama
16593447	Polk (Township of)
16564120	Poplar
16564200	Portsmouth
16566090	Red Line
16572300	Shelby
16593834	Shelby (Township of)

FIPS ID	Name
16577430	Tennant
16594266	Union (Township of)
16594560	Washington (Township of)
16584540	Westphalia
16594689	Westphalia (Township of)
	Sioux County
16701585	Alton
16707840	Boyden
16790399	Buncombe (Township of)
16790468	Capel (Township of)
16710810	Carmel
16710900	Carnes
16790630	Center (Township of)
16712945	Chatsworth
16791098	Eagle (Township of)
16791122	East Orange (Township of)
16791359	Floyd (Township of)
16791539	Garfield (Township of)
16791701	Grant (Township of)
16732475	Granville
16735265	Hawarden
16791965	Holland (Township of)
16737290	Hospers
16737515	Hull
16738820	Ireton
16743995	Lebanon
16792613	Lincoln (Township of)
16792703	Logan (Township of)
16792733	Lynn (Township of)
16750385	Matlock
16750430	Maurice
16748225	McNally
16751645	Middleburg
16793051	Nassau (Township of)

FIPS ID	Name
16756235	Newkirk
16759475	Orange City
16762265	Perkins
16793345	Plato (Township of)
16793549	Reading (Township of)
16793666	Rock (Township of)
16768205	Rock Valley
16793813	Settlers (Township of)
16772390	Sheldon
16793852	Sheridan (Township of)
16793876	Sherman (Township of)
16793924	Sioux (Township of)
16773290	Sioux Center
16794563	Washington (Township of)
16794635	Welcome (Township of)
16794653	West Branch (Township of)
	Story County
16901855	Ames
16907050	Bloomington
16910225	Cambridge
16915195	Collins
16990777	Collins (Township of)
16915240	Colo
16927345	Fernald
16991428	Franklin (Township of)
16930630	Gilbert
16991704	Grant (Township of)
16991992	Howard (Township of)
16937920	Huxley
16992034	Indian Creek (Township of)
16938550	Iowa Center
16940395	Kelley
16992340	Lafayette (Township of)
16992616	Lincoln (Township of)

FIPS ID	Name
16950520	Maxwell
16947775	McCallsburg
16951870	Midvale
16992934	Milford (Township of)
16955695	Nevada
16993063	Nevada (Township of)
16993066	New Albany (Township of)
16959295	Ontario
16993261	Palestine (Township of)
16993615	Richland (Township of)
16967860	Robison-Whitaker Acres
16968475	Roland
16972345	Sheldahl
16993879	Sherman (Township of)
16972750	Shipley
16973515	Slater
16975675	Story City
16978150	Timberland Heights
16994269	Union (Township of)
16994437	Warren (Township of)
16994566	Washington (Township of)
16983175	Welch Avenue
16987555	Zearing
16987575	Zenorsville
	Tama County
17109190	Buckingham
17190375	Buckingham (Township of)
17190474	Carlton (Township of)
17190480	Carroll (Township of)
17112990	Chelsea
17190669	Clark (Township of)
17114655	Clutier
17190786	Columbia (Township of)
17190864	Crystal (Township of)

FIPS ID	Name
17121495	Dinsdale
17123160	Dysart
17124375	Elberon
17130045	Garwin
17191554	Geneseo (Township of)
17131035	Gladbrook
17131080	Gladstone
17191707	Grant (Township of)
17135175	Haven
17135690	Helena
17411944	Highland (Township of)
17191995	Howard (Township of)
17192037	Indian Village (Township of)
17138910	Irving
17145255	Lincoln
17192619	Lincoln (Township of)
17146430	Long Point
17151440	Mesquakie Indian Settlement
17153670	Montour
17193180	Oneida (Township of)
17193243	Otter Creek (Township of)
17193306	Perry (Township of)
17193618	Richland (Township of)
17169600	Sac and Fox Indian Reservation
17193750	Salt Creek (Township of)
17193972	Spring Creek (Township of)
17177115	Tama
17194083	Tama (Township of)
17178510	Toledo
17194128	Toledo (Township of)
17178735	Traer
17181120	Vining
17194812	York (Township of)

FIPS ID	Name
	Taylor County
17303430	Athelstan
17305365	Bedford
17390171	Bedford (Township of)
17390222	Benton (Township of)
17306985	Blockton
17309700	Bushville
17390708	Clayton (Township of)
17313980	Clearfield
17315960	Conway
17390885	Dallas (Township of)
17391548	Gay (Township of)
17391710	Grant (Township of)
17332520	Gravity
17391794	Grove (Township of)
17333375	Guss
17391971	Holt (Township of)
17392163	Jackson (Township of)
17392259	Jefferson (Township of)
17342320	Ladoga
17344490	Lenox
17392883	Marshall (Township of)
17392889	Mason (Township of)
17351195	Merle (Merle Junction)
17351285	Merle Junction
17356370	New Market
17393126	Nodaway (Township of)
17393348	Platte (Township of)
17363390	Platteville
17393450	Polk (Township of)
17393705	Ross (Township of)
17372075	Sharpsburg
17372930	Siam
17394569	Washington (Township of)

FIPS ID	Name
	Union County
17500595	Afton
17502800	Arispe
17590856	Creston
17517265	Creston
17590857	Creston (Township of)
17517490	Cromwell
17591011	Dodge (Township of)
17591065	Douglas (Township of)
17591713	Grant (Township of)
17591947	Highland (Township of)
17592280	Jones (Township of)
17540710	Kent
17592622	Lincoln (Township of)
17546515	Lorimor
17553235	Monette
17593084	New Hope (Township of)
17593351	Platte (Township of)
17593378	Pleasant (Township of)
17593753	Sand Creek (Township of)
17571940	Shannon City
17573695	Snyder
17574190	Spaulding
17593954	Spaulding (Township of)
17577070	Talmage
17577565	Thayer
17594272	Union (Township of)
	Van Buren County
17705950	Bentonsport
17706625	Birmingham
17707345	Bonaparte
17790294	Bonaparte (Township of)
17710450	Cantril

FIPS ID	Name
17790570	Cedar (Township of)
17790651	Chequest (Township of)
17790990	Des Moines (Township of)
17722035	Douds
17726895	Farmington
17791320	Farmington (Township of)
17734645	Harrisburg
17791851	Harrisburg (Township of)
17791911	Henry (Township of)
17792166	Jackson (Township of)
17740935	Keosauqua
17741205	Kilbourn
17743950	Leando
17744040	Lebanon
17792505	Lick Creek (Township of)
17752500	Milton
17754750	Mount Sterling
17754885	Mount Zion
17763120	Pittsburg
17771490	Selma
17775405	Stockport
17794275	Union (Township of)
17780000	Utica
17794323	Van Buren (Township of)
17780670	Vernon
17794341	Vernon (Township of)
17794359	Village (Township of)
17794572	Washington (Township of)
17786150	Winchester
	Wapello County
17990015	Adams (Township of)
17900640	Agency (RR name Agency City)
17990027	Agency (Township of)
17900685	Agency City (RR name for

FIPS ID	Name
	Agency)
17903270	Ashland
17906510	Bidwell
17906715	Bladensburg
17906850	Blakesburg
17990516	Cass (Township of)
17990633	Center (Township of)
17913215	Chillicothe
17914340	Cliffland
17990789	Columbia (Township of)
17915575	Competine
17990795	Competine (Township of)
17918030	Dahlonga
17990870	Dahlonga (Township of)
17922530	Dudley
17923970	Eddyville
17924420	Eldon
17927075	Farson
17991737	Green (Township of)
17936075	Highland (Highland Center)
17991950	Highland (Township of)
17936120	Highland Center (Highland)
17992313	Keokuk (Township of)
17941565	Kirkville
17946035	Loch Burns
17954975	Munterville
17959670	Ormanville
17960465	Ottumwa
17960490	Ottumwa Industrial Airport
17960510	Ottumwa Junction
17993381	Pleasant (Township of)
17993453	Polk (Township of)
17993621	Richland (Township of)
17969420	Rutledge
17974145	South Ottumwa

FIPS ID	Name
17994575	Washington (Township of)
	Warren County
18100235	Ackworth
18190045	Allen (Township of)
18105455	Beech
18190189	Belmont (Township of)
18106490	Bevington
18110765	Carlisle
18113305	Churchville
18115735	Conger
18116005	Cool
18117850	Cumming
18132675	Greenbush
18191764	Greenfield (Township of)
18132835	Greenfield Plaza
18134680	Hartford
18138280	Indianola
18192036	Indianola
18192169	Jackson (Township of)
18192262	Jefferson (Township of)
18142285	Lacona
18142735	Lakewood
18192493	Liberty (Township of)
18144940	Liberty Center
18192625	Lincoln (Township of)
18192652	Linn (Township of)
18149890	Martensdale
18150835	Medora
18152455	Milo
18156595	New Virginia
18157675	Norwalk
18159610	Orillia
18193228	Otter (Township of)
18161185	Palmyra

FIPS ID	Name
18193264	Palmyra (Township of)
18164830	Prole
18193624	Richland (Township of)
18170590	Sandyville
18171265	Scotch Ridge
18174685	Spring Hill
18193999	Squaw (Township of)
18170095	St. Marys
18176125	Summerset
18194278	Union (Township of)
18194371	Virginia (Township of)
18194576	Washington (Township of)
18184620	West Saint Marys
18194716	White Breast (Township of)
18194725	White Oak (Township of)
18185440	Wick
	Washington County
18300730	Ainsworth
18308470	Brighton
18390339	Brighton (Township of)
18390573	Cedar (Township of)
18390696	Clay (Township of)
18316140	Coppock
18390849	Crawford (Township of)
18317130	Crawfordsville
18319225	Daytonville
18391089	Dutch Creek (Township of)
18391236	English River (Township of)
18391431	Franklin (Township of)
18331755	Grace Hill
18334905	Haskins
18391953	Highland (Township of)
18392073	Iowa (Township of)
18392172	Jackson (Township of)

FIPS ID	Name
18340170	Kalona
18344850	Lexington
18392511	Lime Creek (Township of)
18392868	Marion (Township of)
18356750	Nira
18356820	Noble
18393195	Oregon (Township of)
18366765	Richmond
18367440	Riverside
18369150	Rubio
18393819	Seventy-Six (Township of)
18378375	Titus
18382335	Washington
18394578	Washington (Township of)
18383280	Wellman
18383775	West Chester
	Wayne County
18501270	Allerton
18590225	Benton (Township of)
18506250	Bethlehem
18506310	Bethlehem
18508400	Bridgeport
18510180	Cambria
18590699	Clay (Township of)
18590747	Clinton (Township of)
18514475	Clio
18515690	Confidence
18516635	Corydon
18590840	Corydon (Township of)
18530170	Genoa
18591617	Grand River (Township of)
18534815	Harvard
18591998	Howard (Township of)
18537605	Humeston

FIPS ID	Name
18592175	Jackson (Township of)
18592265	Jefferson (Township of)
18545435	Lineville
18552275	Millerton
18592994	Monroe (Township of)
18556640	New York
18564875	Promise City
18593627	Richman (Township of)
18571670	Sewal
18571760	Seymour
18593951	South Fork (Township of)
18594281	Union (Township of)
18594413	Walnut (Township of)
18594440	Warren (Township of)
18594581	Washington (Township of)
18594788	Wright (Township of)
	Webster County
18704195	Badger
18790102	Badger (Township of)
18704645	Barnum
18707545	Border Plains
18708920	Brushy
18709595	Burnside
18790405	Burnside (Township of)
18709955	Callender
18713485	Clare
18790702	Clay (Township of)
18713935	Clayworks
18714835	Coalville
18790771	Colfax (Township of)
18790831	Cooper (Township of)
18719180	Dayton
18790915	Dayton (Township of)
18790936	Deer Creek (Township of)

FIPS ID	Name
18791068	Douglas (Township of)
18722755	Duncombe
18791191	Elkhorn (Township of)
18726085	Evanston
18726940	Farnhamville
18728110	Flugstad
18728515	Fort Dodge
18791370	Fort Dodge
18728560	Fort Dodge Junction
18728575	Fort Dodge Municipal Airport
18791497	Fulton (Township of)
18731710	Gowrie
18791596	Gowrie (Township of)
18733510	Gypsum
18734410	Harcourt
18791842	Hardin (Township of)
18738370	Industry
18792178	Jackson (Township of)
18792277	Johnson (Township of)
18739990	Judd
18740125	Kalo
18743320	Lanyon
18744265	Lehigh
18744445	Lena
18792715	Lost Grove (Township of)
18747190	Lundgren
18753895	Moorland
18793069	Newark (Township of)
18760105	Otho
18793220	Otho (Township of)
18761095	Palm Grove (Palmgrove)
18761140	Palmgrove
18793423	Pleasant Valley (Township of)
18767665	Roberts

FIPS ID	Name
18768430	Roelyn
18793684	Roland (Township of)
18771815	Shady Oak
18773560	Slifer
18775810	Stratford
18794053	Sumner (Township of)
18777160	Tara
18781075	Vincent
18794381	Wahkonsa (Township of)
18794584	Washington (Township of)
18794632	Webster (Township of)
18784135	West Fort Dodge
18794800	Yell (Township of)
	Winnebago County
18990396	Buffalo (Township of)
18909280	Buffalo Center
18990636	Center (Township of)
18991152	Eden (Township of)
18991365	Forest (Township of)
18928380	Forest City
18991716	Grant (Township of)
18992316	King (Township of)
18942555	Lake Mills
18944355	Leland
18992628	Lincoln (Township of)
18992640	Linden (Township of)
18992706	Logan (Township of)
18993038	Mount Valley (Township of)
18955470	Neils
18993105	Newton (Township of)
18993141	Norway (Township of)
18965415	Rake
18971040	Scarville
18977745	Thompson

FIPS ID	Name
18681130	Vinje
	Winneshiek County
19190273	Bloomfield (Township of)
19107165	Bluffton
19190288	Bluffton (Township of)
19109640	Burr Oak
19190414	Burr Oak (Township of)
19110045	Calmar
19190447	Calmar (Township of)
19190462	Canoe (Township of)
19111485	Castalia
19115780	Conover
19119405	Decorah
19190924	Decorah (Township of)
19127435	Festina
19128425	Fort Atkinson
19128875	Frankville
19191434	Frankville (Township of)
19129145	Freeport
19191485	Fremont (Township of)
19191578	Glenwood (Township of)
19135040	Haugendale
19135895	Hesper
19191917	Hesper (Township of)
19191956	Highland (Township of)
19136210	Highlandville
19192181	Jackson (Township of)
19139135	Jackson Junction
19140530	Kendallville
19192631	Lincoln (Township of)
19146110	Locust
19192787	Madison (Township of)
19192937	Military (Township of)
19157000	Nordness

FIPS ID	Name
19413201	Orleans (Township of)
19159970	Ossian
19193384	Pleasant (Township of)
19167035	Ridgeway
19170725	Sattre
19174370	Spillville
19193984	Springfield (Township of)
19194056	Sumner (Township of)
19194587	Washington (Township of)
	Woodbury County
19302350	Anthon
19390078	Arlington (Township of)
19390123	Banner (Township of)
19308650	Bronson
19310000	Call Terminal
19314385	Climbing Hill
19390810	Concord (Township of)
19316545	Correctionville
19317940	Cushing
19318390	Danbury
19391362	Floyd (Township of)
19391623	Grange (Township of)
19391719	Grant (Township of)
19336750	Holly Springs
19337200	Hornick
19392295	Kedron (Township of)
19392373	Lakeport (Township of)
19343905	Lawton
19344175	Leeds
19392496	Liberty (Township of)
19392661	Liston (Township of)
19392667	Little Sioux (Township of)
19347325	Luton
19392940	Miller (Township of)

FIPS ID	Name
19393015	Morgan (Township of)
19354075	Morningside
19354680	Mount Lucia
19354930	Moville
19393045	Moville (Township of)
19357450	North Side
19360240	Oto
19393222	Oto (Township of)
19360600	Owego
19362760	Pierson
19367485	Riverside
19393669	Rock (Township of)
19393720	Rutland (Township of)
19370320	Salix
19371625	Sergeant Bluff
19372795	Shore Acres
19373335	Sioux City
19393925	Sioux City
19393926	Sioux City (Township of)
19373350	Sioux City Municipal Airport
19373605	Sloan
19393929	Sloan (Township of)
19373650	Smithland
19374595	Springdale
19375495	Stock Yards
19394284	Union (Township of)
19394674	West Fork (Township of)
19385485	Wickham Spur
19394752	Willow (Township of)
19394770	Wolf Creek (Township of)
19394773	Woodbury (Township of)
	Worth County
19590132	Barton (Township of)
19507255	Bolan

FIPS ID	Name
19508530	Bristol
19590345	Bristol (Township of)
19590357	Brookfield (Township of)
19590891	Danville (Township of)
19519520	Deer Creek
19590939	Deer Creek (Township of)
19527390	Fertile
19591338	Fertile (Township of)
19531890	Grafton
19591797	Grove (Township of)
19534185	Hanlontown
19591881	Hartland (Township of)
19539855	Joice
19540665	Kensett
19592310	Kensett (Township of)
19592634	Lincoln (Township of)
19548900	Manly
19551015	Meltonville
19557630	Northwood
19573200	Silver Lake
19593909	Silver Lake (Township of)
19594287	Union (Township of)
	Wright County
19705680	Belmond
19790186	Belmond (Township of)
19790261	Blaine (Township of)
19790306	Boone (Township of)
19713620	Clarion
19716410	Cornelia
19790918	Dayton (Township of)
19722305	Dows
19723250	Eagle Grove
19791101	Eagle Grove (Township of)
19727885	Florence

FIPS ID	Name
19729550	Galt
19731530	Goldfield
19791722	Grant (Township of)
19736795	Holmes
19792076	Iowa (Township of)
19792367	Lake (Township of)
19792499	Liberty (Township of)
19792637	Lincoln (Township of)
19793144	Norway (Township of)
19757900	Nuel

FIPS ID	Name
19758755	Olaf
19793387	Pleasant (Township of)
19769015	Rowan
19773740	Solberg
19794143	Troy (Township of)
19794344	Vernon (Township of)
19794386	Wall Lake (Township of)
19787015	Woolstock
19794779	Woolstock (Township of)

	Out of State
99020	Kansas
99027	Minnesota
99029	Missouri
99031	Nebraska
99046	South Dakota
99055	Wisconsin
99999	Not listed

Appendix D Medication List

ID	Name
950	10% D5W
951	25% D5W
8030	2-PAM Chloride Auto Injector
4000	Acetaminophin
4002	Acetaminophin Elixar
4001	Acetaminophin Supp
6020	Activated Charcoal
100	Adenosine
4020	Afrin
200	Albuterol
201	Albuterol Inhaler metered
202	Albuterol Sulfate 2.5mg/3cc
300	Aminophylline
2010	Amiodarone (Cordarone)
7001	Amyl Nitrate
4010	ASA
400	Atropine
600	Bretylium
700	Calcium
4030	Cardizem

ID	Name
4040	Cordarone
4050	Cyanide Antidote
900	D50
901	D5W IV Solution
800	Dexameth
7004	Dexamethasone (Decadron)
1000	Diazepam (Valium)
7002	Digoxin (Lanoxin)
7003	Diltiazem (Cardizem)
1100	Diphenhydramine (Benedryl)
1200	Dobutamine
1300	Dopamine
1400	Epinephrine
1401	Epinephrine 1:10,000
1402	Epinephrine 1:1000
4060	Etomidate
4070	Fentanyl
2301	Fentanyl (Sublimaze)
4080	Flumazaniil
1500	Furosemide (Lasix)

ID	Name
1600	Glucagon
7005	Haloperidol (Haldol)
1700	Heparin
7006	Hydralazine (Apresoline)
1800	Hydrocortisone
4090	Inapsine (Droperidol)
6050	Insulin (Humulin, Novolin)
6010	Ipecac
5000	Ipratropium (Atrovent)
1900	Isoproterenol
7018	Labetalol
2000	Lidocaine
2005	Lidocaine Lubricant
2003	Lidocaine pre-mix bag
1051	Lorazepam (Ativan)
5010	Magnesium Sulfate
7008	Mannitol (Osmitrol)
2100	Meperidine
2200	Meteproterenol (Alupent)
7007	Metoprolol (Lopressor)
1050	Midazolam (Versed)
2300	Morphine Sulfate
5020	Nalbuphine (Nubain)

ID	Name
2400	Naloxone (Narcan)
7009	Nifedipine (Procardia)
2502	Nitroglycerin Infusion
2600	Nitroglycerin Paste
2501	Nitroglycerin Spray
2500	Nitroglycerine Tabs
7050	Nitroprusside (Nipride)
2700	Nitrous Oxide
7010	Nitrous Oxide (Nitronox)
7011	Norepinephrine (Levophed)
6001	Normal Saline IV Solution
910	Oral Glucose
8000	Oxygen
2800	Oxytocin
7013	Pancuronium (Pavulon)
5030	Phenylphrine (Neo-Synephrine)
7017	Phenytoin (Dilantin)
2900	Procainamide
5040	Prochlorperazine (Compazine)
5050	Promethazine HCL (Phenergran)
5060	Proparacaine (Alcaine)
3101	Propranolol (Inderal)
5070	Racemic Epinephrine

ID	Name
7015	Rapacuronium (Rapion)
7060	Retavase
7016	Rocuronium (Zemuron)
6000	Saline
500	Sodium Bicarbonate
6002	Sodium Chloride Flush
7064	Sodium Pentothol
8020	Sodium Thiosulfate
5080	Solu-Medro (Methylprednisone Succinate)
6030	Sterile Water
7062	Streptokinase (Streptase)

ID	Name
7014	Succinylcholine (Anectine)
7063	Tenecteplase (TNKase)
3000	Terbutaline
5090	Thiamine
7061	Tissue Plasminogen Activator
7090	Total Parenteral Nutrition (TPN)
7012	Vecuronium (Norcuron)
3100	Verapamil
77	Other

Note: This list is currently listed and numbered alphabetically. This order may change with the addition or deletion of medications. Numbers will stay assigned as listed with new numbers issued for future additions.

Appendix E

Iowa County FIPS Codes

County Name	MCD Code
Adair	001
Adams	003
Allamakee	005
Appanoose	007
Audubon	009
Benton	011
Black Hawk	013
Boone	015
Bremer	017
Buchanan	019
Buena Vista	021
Butler	023
Calhoun	025
Carroll	027
Cass	029
Cedar	031
Cerro Gordo	033
Cherokee	035
Chickasaw	037
Clarke	039
Clay	041
Clayton	043

County Name	MCD Code
Clinton	045
Crawford	047
Dallas	049
Davis	051
Decatur	053
Delaware	055
Des Moines	057
Dickinson	059
Dubuque	061
Emmet	063
Fayette	065
Floyd	067
Franklin	069
Fremont	071
Greene	073
Grundy	075
Guthrie	077
Hamilton	079
Hancock	081
Hardin	083
Harrison	085
Henry	087

County Name	MCD Code
Howard	089
Humboldt	091
Ida	093
Iowa	095
Jackson	097
Jasper	099
Jefferson	101
Johnson	103
Jones	105
Keokuk	107
Kossuth	109
Lee	111
Linn	113
Louisa	115
Lucas	117
Lyon	119
Madison	121
Mahaska	123
Marion	125
Marshall	127
Mills	129
Mitchell	131
Monona	133
Monroe	135

County Name	MCD Code
Montgomery	137
Muscatine	139
O'Brien	141
Osceola	143
Page	145
Palo Alto	147
Plymouth	149
Pocahontas	151
Polk	153
Pottawattamie	155
Poweshiek	157
Ringgold	159
Sac	161
Scott	163
Shelby	165
Sioux	167
Story	169
Tama	171
Taylor	173
Union	175
Van Buren	177
Wapello	179
Warren	181
Washington	183

County Name	MCD Code
Wayne	185
Webster	187
Winnebago	189
Winneshiek	191
Woodbury	193
Worth	195
Wright	197

Appendix F**State FIPS Codes**

FIPS ID	State Name	FIPS ID	State Name
01	Alabama	18	Indiana
02	Alaska	19	Iowa
60	American Samoa	86	Jarvis Island
04	Arizona	67	Johnston Atoll
05	Arkansas	20	Kansas
81	Baker Island	21	Kentucky
06	California	89	Kingman Reef
08	Colorado	22	Louisiana
09	Connecticut	23	Maine
10	Delaware	68	Marshall Islands
11	District of Columbia	24	Maryland
12	Florida	25	Massachusetts
64	Federated States of Micronesia	26	Michigan
13	Georgia		Midway Islands
66	Guam	27	Minnesota
15	Hawaii	28	Mississippi
84	Howland Island	29	Missouri
16	Idaho	30	Montana
17	Illinois	76	Navassa Island

FIPS ID	State Name	FIPS ID	State Name
31	Nebraska	44	Rhode Island
32	Nevada	45	South Carolina
33	New Hampshire	46	South Dakota
34	New Jersey	47	Tennessee
35	New Mexico	48	Texas
36	New York	74	U.S. Minor Outlying Islands
37	North Carolina	49	Utah
38	North Dakota	50	Vermont
69	Northern Mariana Islands	51	Virginia
39	Ohio	78	Virgin Islands of the U.S.
40	Oklahoma	79	Wake Island
41	Oregon	53	Washington
70	Palau	54	West Virginia
95	Palmyra Atoll	55	Wisconsin
42	Pennsylvania	56	Wyoming
72	Puerto Rico		