

State-Level Demonstration Project:
Enhanced Medical Referral and Evaluation Management System
NHTSA Cooperative Agreement #DTNH22-12-H-00402

CONCEPT

- In ONE database:
 - Capture all referrals by source and type
 - Capture all resulting medical review processes
 - Capture all diagnoses and recommendations
 - Capture all outcomes
- Reveal the relationships among elements in the database
- Ease feedback to referral sources (i.e., LEOs)

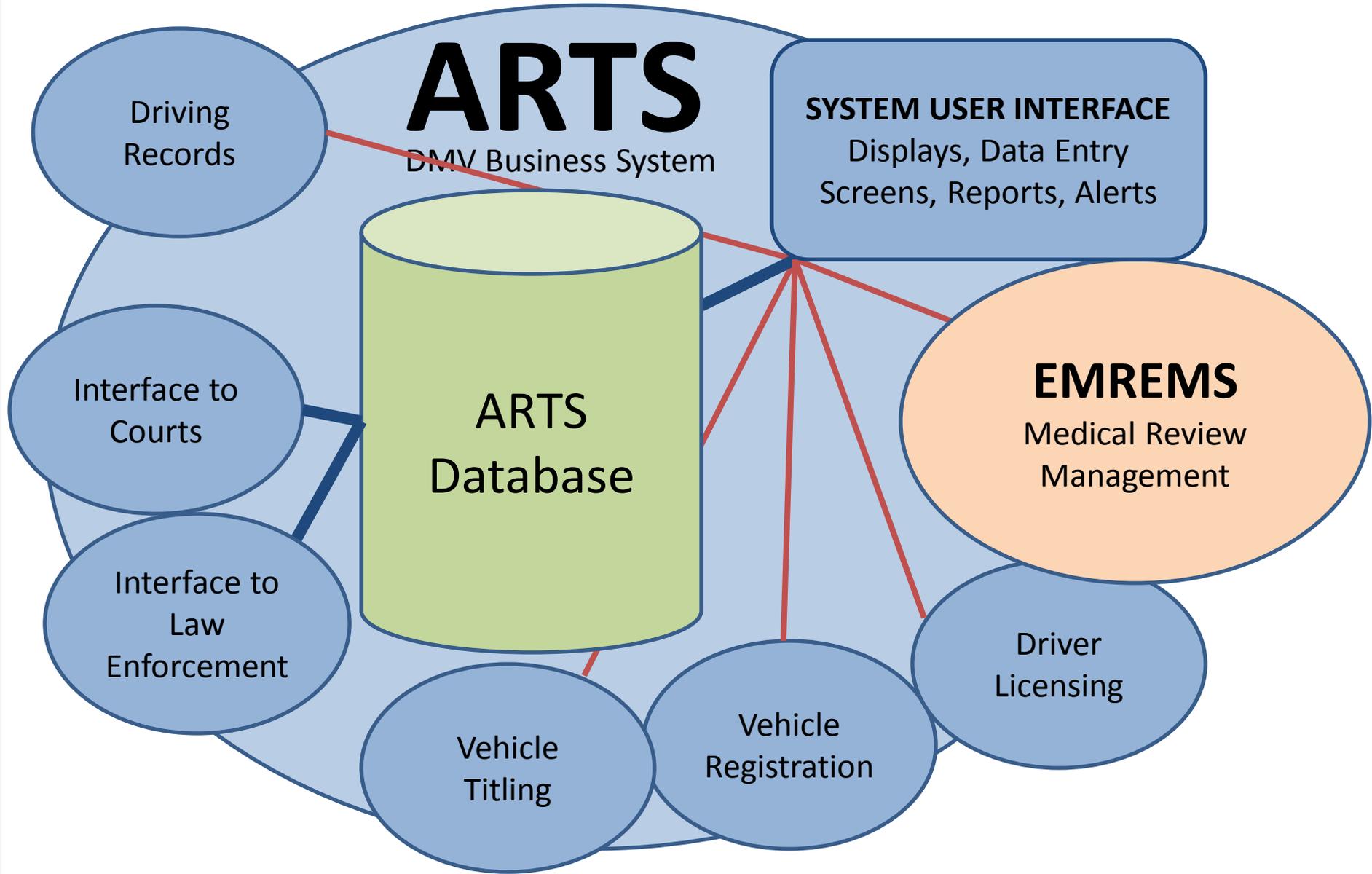


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All data collected in EMREMS:

- Referral Source, Referral Reason, Referral Date, Requirements
- DOSCI (Result, Score, Result date, Comments)
- Driving Test (Reason, Result, Result Date, Comments)
- Knowledge Test (Reason, Result, Result Date, Comments)
- Local Driving Test (Reason, Results, Result Date, And Comments)
- Medical Report (Reason, Result, Provider, Report Date, Diagnosis, Comments)
- Physician Req Driving Eval (Reason, Result, Result date, Comments)
- Safe Driving Basics (Reason, Result, Result Date, Overall Result, Version, Test Date, Scores on the Individual Sections, Comments)
- Specialist Medical Eval (Reason, Result, Provider, Report Date, Diagnosis, Comments)
- Vision Screening (Reason, Results, Result Date, Comments)
- Dispositions (Recommendation, Restrictions)
- Follow up Completed (Yes Or No; Date)

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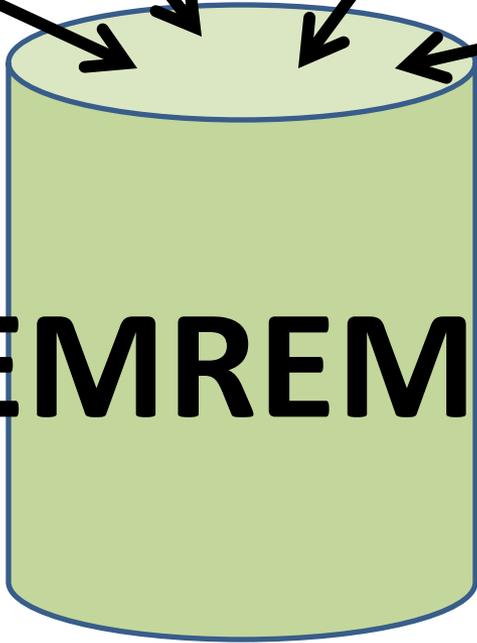


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- **Medical Review**
 - Processes

- **Diagnoses and Recommendations**

- **Referrals**
 - LEOs
 - Courts
 - Doctors
 - FF&Ns
 - Examiners
 - Cognitive Screening



EMREMS

- **Outcomes**
 - Drive
 - Restrict
 - No Drive
 - Abandon
 - Follow

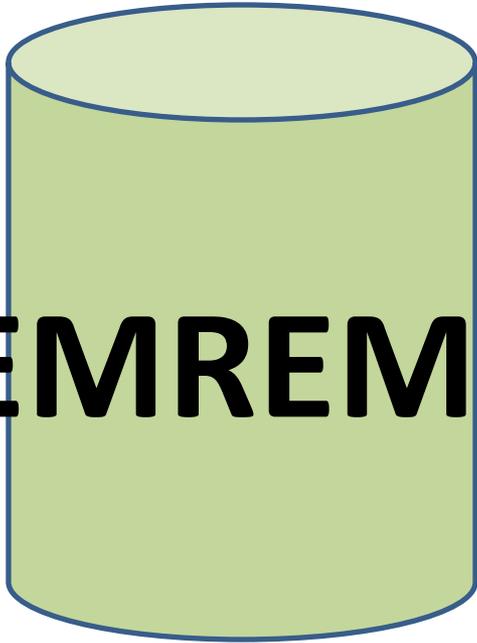
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LEO: What happened to that guy I referred for medical review?

Licensing: How do counter referrals stack up against others?

Courts: How often do our referrals result in a restricted license?

Administration: Which referrals result in the longest processing?



EMREMS

MAB: What Medical Review outcomes result from which types of referrals?

Administration: What is the rate at which referrals from friends, family, or neighbors result in a licensing action?

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Advantages for *safety research*

- Persistent records gathered in a uniform manner, under consistent data collection guidelines, that are stored together.
- “No Delete” rules for gathered data reduces uncertainty about data significance and value.
- Reliable linkage to recognized performance measures (crashes and citations.)

Advantages for *medical review process management*

- Single on-line source of salient elements in any individual case.
- Real-time accounting of case loads, system demands, efficiency measurements, and timeliness.
- Reliable performance reporting from a single source.