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Road Ready Database

- DOT Physical in electronic format
- 75,389 Exams as of 3/18/2008
- Web based

Security

- **A Secured Socket Layer is utilized to send and receive encrypted medical information from the examiner's DOT medical exam.**

Information

- **Is captured in a central database along with the image of the DOT Long Form Exam & Certificate**
- **The data contained in the Database allows reporting on every aspect of the DOT Long Form & Certification**

What the Data Includes

- **Demographics**
- **Driver questionnaire**
- **Drivers comments**
- **Exam information**
 - Height, Weight, Age, BMI
 - Vision
 - Hearing
 - Bp
 - Pulse
- **Lab**
- **Physical Exam**
- **Certification**

Summary of Database Results

Data as of 3/18/08

- **75,839 Drivers**
- **72,357 Male Drivers**
- **3,482 Female Drivers**
- **Average age of all drivers – 42.23**

Diabetes History

- **7.14% of the drivers self-reported a history of Diabetes.**
- **Of this population, 80.66% self-reported that they were on medication for diabetes.**
- **4% of the drivers had sugar in their urine.**

Body Mass Index

- ≤ 25 = 17.90%
- 26-29 = 30.28%
- 30-34 = 25.34%
- 35-39 = 13.63%
- ≥ 40 = 11.78%

Hypertension History

- **16.63% of the drivers self reported a history of hypertension.**
- **Of this population, 10.49% self reported they were on medication for hypertension.**

Musculoskeletal

- **807 drivers self-reported a history of spinal injury.**
- **45 drivers self-reported a history of muscular disease**
- **505 drivers self-reported a history of low back pain.**
- **Medical examiner found 3,899 drivers having spinal and/or extremity abnormalities**

Vision

- **.82% of the drivers had a vision recorded as 20/50 or worse.**
- **99.18% of the drivers had a vision recorded as 20/40 or better.**
- **47.50% of the drivers had a vision recorded as requiring corrective lenses to drive.**

Current Project with the FMCSA

- **Combine the FMCSA crash data with the Road Ready data in order to analyze the relationship between certain medical conditions and crashes within the commercial driver populations.**
- **Currently 2,039 records have been identified for the analysis.**

Conclusion: Road Ready Database

- **Reliable source for statistical evaluation of the health status of the commercial driver population.**
- **A resource to the FMSCA for determining future medical standards and developing rules and regulations.**
- **A means to monitor the effects of changes to the medical standards and to audit examiner performance once a national registry is established.**