

# Federal Railroad Administration



# Medical Standards for Railroad Employees

RSAC Briefing – January 26, 2005



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#### Objectives:

- Assemble information to assess need for medical standards in railroad industry
- Formulate options for a medical standards program
- Make recommendations on feasibility and appropriateness of medical standards program for US railroad industry

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#### Overall Approach

Information Gathering

- US DOT regulations
- Foreign railroad regulations
- US railroad practices
- Dispute resolution procedures
- Medical literature
- Accident Data

Analysis \_\_\_\_

- Identify gaps
- Identify relevant standards
- Determine resource requirements

Recommendations

- Identify options
- Prepare final report

Phase I Phase II



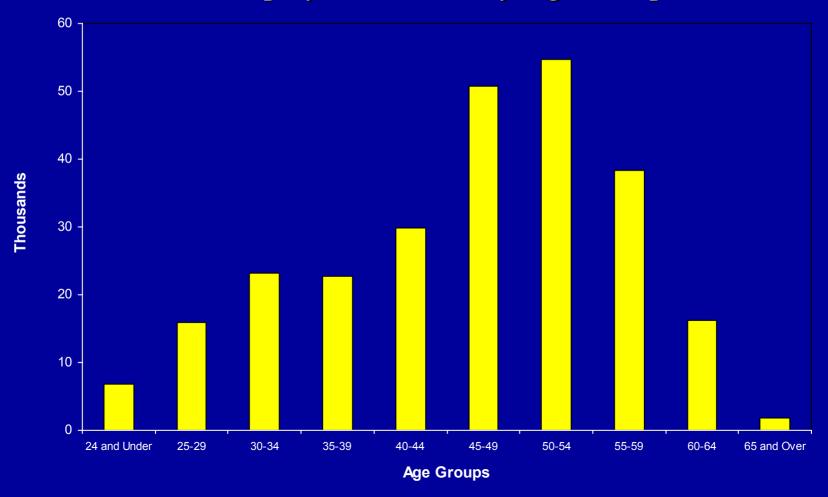
- There are many jobs in the railroad industry where workers perform tasks that would be considered "safety critical".
- The tasks require certain physical and mental capabilities to be un-impeded by medical conditions that could lead to sudden incapacitation.
- Sudden incapacitation of employees doing these tasks could lead to immediate harm to themselves, other employees or the public.



- 70,825 of 154, 656 (46%) Class I railroad workers belong to UTU, BLE, BRS, ATDA or UTU-YMD
- RRB reports total US railroad employment = 222,500
- Potential population of safety-sensitive workers = 101,894 (46% of 222,500)

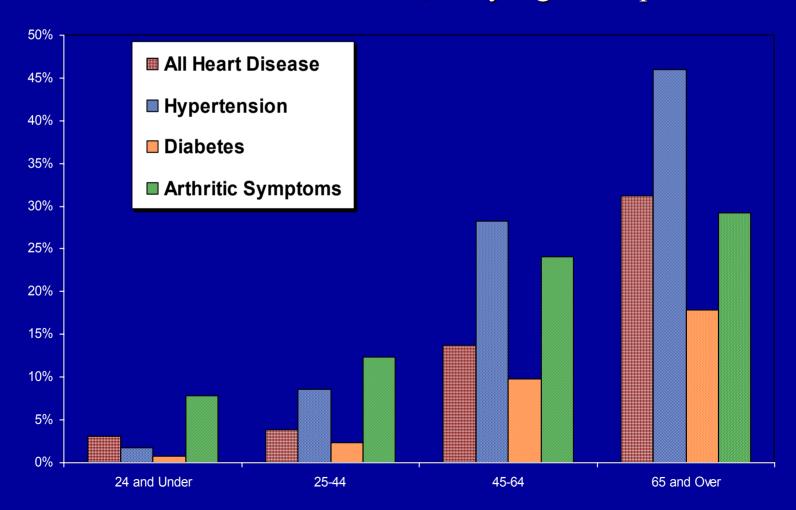


#### US Railroad Employees in 2002, by Age Group





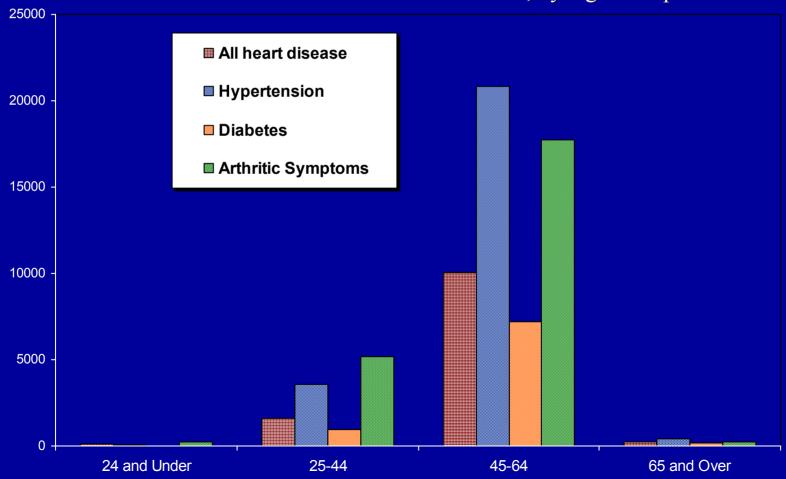
#### US Chronic Medical Conditions, % by Age Group





#### US Railroad "Safety Sensitive" Population –

Possible Distribution of Chronic Medical Conditions, by Age Group





To answer the following:

- Is there a need for publicly led or administered medical standards for the railroad industry?
- How compelling is the need?
- How narrow/broad should the standards be?
- Who will be covered?
- Who determines the criteria?
- Who decides fitness for duty?
- What appeals process is appropriate?



#### The NTSB has recommended:

• "Develop a standard medical examination form that includes questions regarding sleep problems and require that the form be used, pursuant to 49 Code of Federal Regulations Part 240, to determine the medical fitness of locomotive engineers; the form should also be available for use to determine the medical fitness of other employees in safety-sensitive positions." (R-02-24).



#### The NTSB has recommended:

• "Require that any medical condition that could incapacitate, or seriously impair the performance of an employee in a safety-sensitive position be reported to the railroad in a timely manner." (R-02-25).



#### The NTSB has recommended:

• "Require that, when a railroad becomes aware that an employee in a safety-sensitive position has a potentially incapacitating or performance-impairing medical condition, the railroad prohibit that employee from performing any safety-sensitive duties until the railroad's designated physician determines that the employee can continue to work safely in a safety-sensitive position." (R-02-26).



#### What Other US DOT Modal Administrations Cover

Agency	Positions		
FAA	Airman (pilot), Air Traffic Control Specialist		
FMCSA	Motor Carrier Operator (Bus, Truck)		
Coast Guard	Mariner (Commercial), Military		



# US DOT Modal Administrations Medical Standards Programs Summary

- FAA program most centralized and comprehensive. FAA program is also most resource intensive
- FAA, USCG and FMCSA have procedure for allowing employee who does not meet some regulations/guidelines to work.
- FRA allows railroad's CMO and Designated Supervisor of Locomotive Engineers to decide



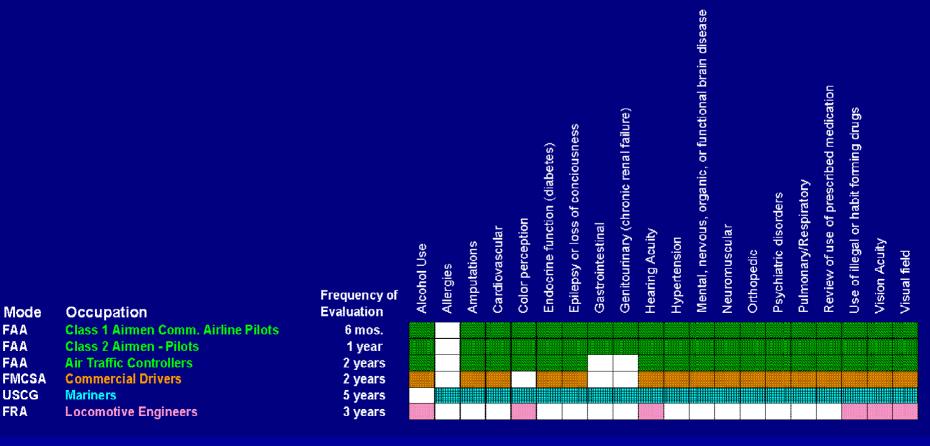
# US DOT Modal Administrations Medical Standards Programs Summary

- Pilot appeal process includes NTSB and courts
- FRA appeal process for current rules through LERB and courts
- USCG and FMCSA allow any state-licensed healthcare practitioner to perform exam.
- FAA and FRA require a physician
- All agencies provide some level of guidance to examiners

Medical Conditions/Systems Evaluated



#### What Other US DOT Modal Administrations Cover





# Foreign Railway Agencies/Organizations Medical Standards Programs

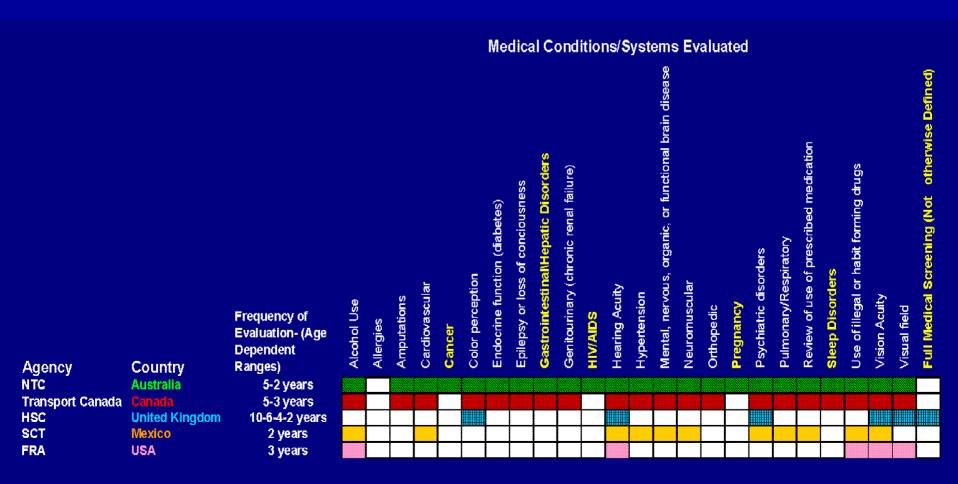
- Transport Canada
- UK Rail Safety Standards Board
- National Transport Commission
  - Australia
- Secretaria de Comunicaciones y Transportes Mexico
- UIMC

# Foreign Railway Agencies/Organizations Medical Standards Programs Summary

- All countries examined have more extensive medical standards programs than US
- Mexican is most centralized
- Australian, Canadian and UK programs allow railroads to select examiners and make final determination of medical fitness
- Railroad and labor representatives involved in development of Canadian and Australian standards
- Canada and Australia allow railroads discretion in identifying safety-sensitive positions
- Canada and Australia have public welfare systems to cover medically disqualified workers

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#### What Foreign Railway Agencies Standards Cover





#### US Railroads Surveyed to Determine Current Practices

Category	Railroads
Class I	BN, CSX, KCS, NS, UP
Shortline/Regional	Belt Railway of Chicago, Florida East Coast, Holding company, Montana Rail Link, RailAmerica
Commuter	Metro-North, NJTransit



# Current Practices in US Railroad Industry: Events requiring medical examination

- Medical exams conducted:
  - Post-offer
  - Promotion to safety critical position
  - Fitness to work (as appropriate)
- Return to work from medical leave requires review of treating physician's report. Length of absence necessitating review varies by railroad. May require exam.



# Current Practices in US Railroad Industry: Procedures

- Some provide job description to physician
- Most have no written standards
- NJTransit and NS require periodic medical examinations
- Process for reporting of medical conditions does not clearly define drugs that must be reported
- Process for reporting use of prescription drugs does not clearly define conditions that must be reported



#### Medical Literature Review

- Evidence consistently supports performance impairment from hypoglycemia and certain medications (e.g., first generation antihistamines, some anti-depressants, pain medication)
- Some support that other medical conditions impair performance (e.g., seizures, heart disease, sleep disorders)
- Poorly controlled medical conditions also may impair performance (e.g.; diabetes, hypertension)
- Individuals and providers often unable to judge degree of impairment

Locomotive

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# Applicability of Existing Medical Standards Regimes to US Railroad Occupations

#### **Railroad Occupation**

Conductor/

	Engineer	Trainman	Dispatcher	Signalman
Agency				
FMCSA				
FAA - Airman				
FAA - ATCS				
USCG - Mariner				
Transport Canada				
NTC - Australia				
RSSB - UK				



#### Legal Considerations to be Addressed in any Rulemaking

- Union participation in program development will comply with any obligations under Railway Labor Act and facilitate acceptance in future negotiations
- Current tripartite board and arbitration/grievance process available to address dispute from decertified employee
- Providing examiner with brief description of employee's job responsibilities minimizes grounds for subsequent disputes

# Conclusions

- The need exists for a consistent industry-wide medical standards program
- US Railroad medical standards program is significantly less comprehensive than those of other DOT modal agencies and foreign countries
- Medical literature supports performance impairment from hypoglycemia and certain medications; some support for other conditions



# Recommendations

- FRA should expedite development to the extent possible
- A group representing stakeholders should be assembled to recommend program structure
- The program should have generally stated regulations with supporting medical guidelines
- Use existing resources and processes (RSAC) to facilitate program development and implementation
- Program must assure that examiners understand job requirements of safety-sensitive positions



The following are a number of areas for consideration during the development of a regulation.

#### On the following pages:

- 1. Numbered items indicate a choice among alternatives
- Bulleted items indicate a group of items that should be included



Element	Option(s)
Positions covered	1. All functions defined as safety-sensitive by 49 CFR § 209.303.
	2. Require each railroad to conduct a risk analysis to identify covered positions.
	3. All functions defined as safety-sensitive by 49 CFR § 209.303 with procedure available for a railroad to justify otherwise.



Element	Option(s)
Definition of medical criteria	<ul> <li>Contained in regulations that are supported by guidelines</li> </ul>
Development of medical criteria	<ol> <li>Done by railroad medical specialists</li> <li>Done by independent panel of medical specialists</li> </ol>



Element	Option(s)
Timing of exams	<ul> <li>Post offer</li> <li>Return to work following medical leave of absence</li> <li>Fitness to work based on triggering event</li> <li>Change to safety-sensitive or covered position</li> <li>Periodically <ol> <li>At fixed interval</li> <li>Interval based on age</li> </ol> </li> </ul>



Element	Option(s)
Examiners	<ol> <li>Any healthcare professional licensed to perform a medical exam</li> <li>Physician only</li> <li>Examiners trained and certified by organization that is approved by the FRA</li> <li>Examiners, with knowledge of railroading, selected by the railroad</li> </ol>



Element	Option(s)
Guidance for examiners	<ul> <li>Standards and guidelines available via FRA web site</li> <li>FRA issues update to railroad medical officers who are responsible for distributing to their examiners</li> <li>FRA Medical Director/resource person available for healthcare practitioners with questions</li> </ul>
Waivers	<ol> <li>FRA Medical Officer grants waiver</li> <li>FRA Medical Review Board grants waiver</li> <li>Railroad CMO makes decision in accordance with guidelines</li> </ol>



Element	Option(s)
Transferability of medical certification	<ol> <li>Medical certification for current employer only</li> <li>Medical certification for railroad industry</li> <li>Medical certification for railroad industry, but employer may request re-examination</li> </ol>
Dispute resolution	<ul><li>Tripartite medical panel</li><li>Arbitration</li></ul>
Transition to new system	<ul> <li>Phase-in period for periodic exams for current employees</li> <li>All other exams use new standards immediately</li> </ul>



Element	Option(s)
Audit of examinations	<ol> <li>Allow railroad personnel to do quality control on their examiners</li> <li>Third party administrator hired by railroad does quality</li> </ol>
	control
Program oversight	FRA Industrial Hygienists audit process implementation
Review of medical standards	Done by medical specialists on periodic basis
Program evaluation	Reduction in accidents

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#### FRA Role in Alternative Program Models

	A	В	C
Certify examiners	✓	Audit process	Audit process
Review results of exams	✓		
Review and permit employees not meeting regulations/guidelines to work	✓	✓	
Advise on resources examiner should use in making determination	✓	✓	
Convene medical panel to develop initial guidelines and update periodically	✓	✓	✓
Perform process oversight	✓	✓	<b>√</b>

#### Benefits to the Carriers

- Protecting assets and training investments
- Reduced potential for losses from accidents due to health related performance decrements

Consistent objective criteria for fitness for duty decisions

#### Benefits to Labor

- Prevention/early detection of illness
- Privacy and employment protections
- Consistent objective criteria for fitness for duty decisions

#### Benefits to the Public

- Safer railroad operations
- Reduced risk of accidents due to unrecognized medical conditions

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• Next Steps???