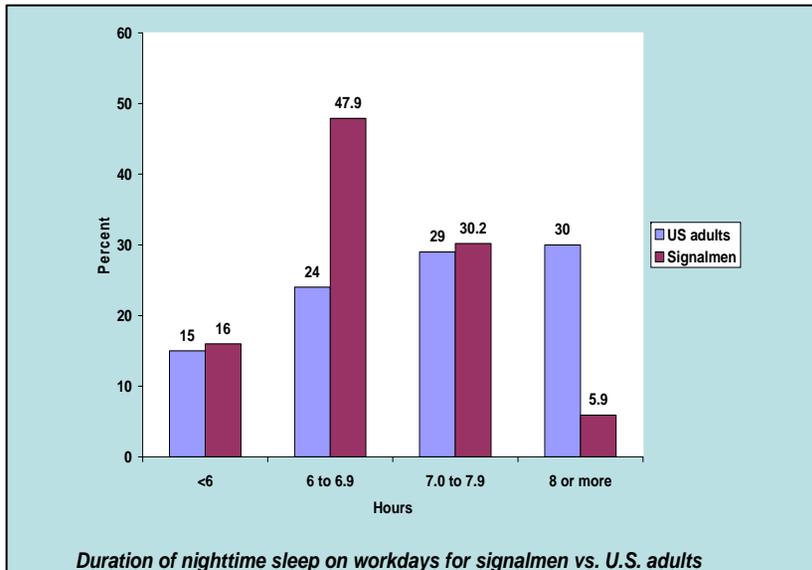


# Fatigue Studies



## Project Description:

Develop data sets on work and rest patterns for railroad workers and analyze with fatigue model to improve the understanding of the role of fatigue in the industry

- Collect new diary data from train crews
- Use FAST model to analyze data to characterize fatigue in the industry by craft, type of job, etc.
- Publish databases from all studies for the use of the scientific community interested in work and fatigue issues.

## Railroad Impact:

Reduce accident rates by better understanding of work scheduling practices and the role of fatigue in accidents

- Comprehensive picture of fatigue in rail industry needed for FRA regulations
- Initial Findings show that 66% of signalmen / MOW and 55% of dispatchers get less than 7 hours of sleep per night. This level of fatigue increases accident risk by 21 to 39%

FRA Task Monitor: Tom Raslear, RDV32

## Schedule:

- **FY07-08** – Collect data for conductors and locomotive engineers, begin analysis of all data with FAST
- **FY08-09** – Finish FAST analysis, publish database and Final Analysis Report