Risk Factors In Teen Driving Crashes

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Motor Vehicle Data Sources

- Data sets that can be assessed and analyzed for teen driving safety that include:
  - Youth and Behavioral Risk Factor Surveillance Systems
  - Child Death Review
  - Emergency department
  - Uniform Crime Reporting System
  - Fatality Analysis Reporting System (FARS)
  - Emergency Medical Services
  - State Highway Patrol
  - Hospital Discharge Data
  - Mortality Data
Risk Factors

- Immaturity
- Inexperience
- Immortality
- Emotionality
- Sensation Seeking/
  Risk Taking
- Power of Friends
- Power of Parents
- Distracted Driving
Risk Factors

Seat Belt Use
Night Driving
Driver Error
Traffic
Passengers
Impaired Driving (alcohol/drugs)
Speeding/Aggressive Driving
Increased risk of 16 & 17 year old drivers’ death by number of passengers,
Chen, Baker, Braver, and Li, 2000

<table>
<thead>
<tr>
<th>Number of passengers</th>
<th>16</th>
<th>17</th>
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<tbody>
<tr>
<td>One</td>
<td>39%</td>
<td>48%</td>
</tr>
<tr>
<td>Two</td>
<td>85%</td>
<td>158%</td>
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<tr>
<td>Three</td>
<td>162%</td>
<td>207%</td>
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Factors in teen fatal crashes

IIHS, 2003
What Works

- Publicize, enforce, & adjudicate laws pertaining to young drivers
- Assist parents in managing teen driving
- Improve young driver training
- Employ school-based strategies
Graduated Driver Licensing (GDL) System

- **Minimum age of at least 16 years** for gaining a learner’s permit
- **Minimum 6 months** before unsupervised driving.
- **Nighttime driving restriction**
- **Passenger restriction for intermediate license holders**
- **Minimum age of at least 16 years and 6 months** for intermediate license.
- **Minimum age of 17 years** for full licensure.
• http://www.nap.edu/catalog.php?record_id=11814
• Access to NRC workshop slides: http://www.bocyf.org/051506.html
• http://www.nhtsa.dot.gov/people/injury/airbags/OccupantProtectionFacts/introduction.htm#how
• http://www.cdc.gov/healthyyouth/yrbs/
• http://www.ihs.org/
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