



**TRIBAL
INJURY
PREVENTION
PROGRAM**



Albuquerque Area Southwest Tribal Epidemiology Center

Jerrold K. Moore, Program Coordinator

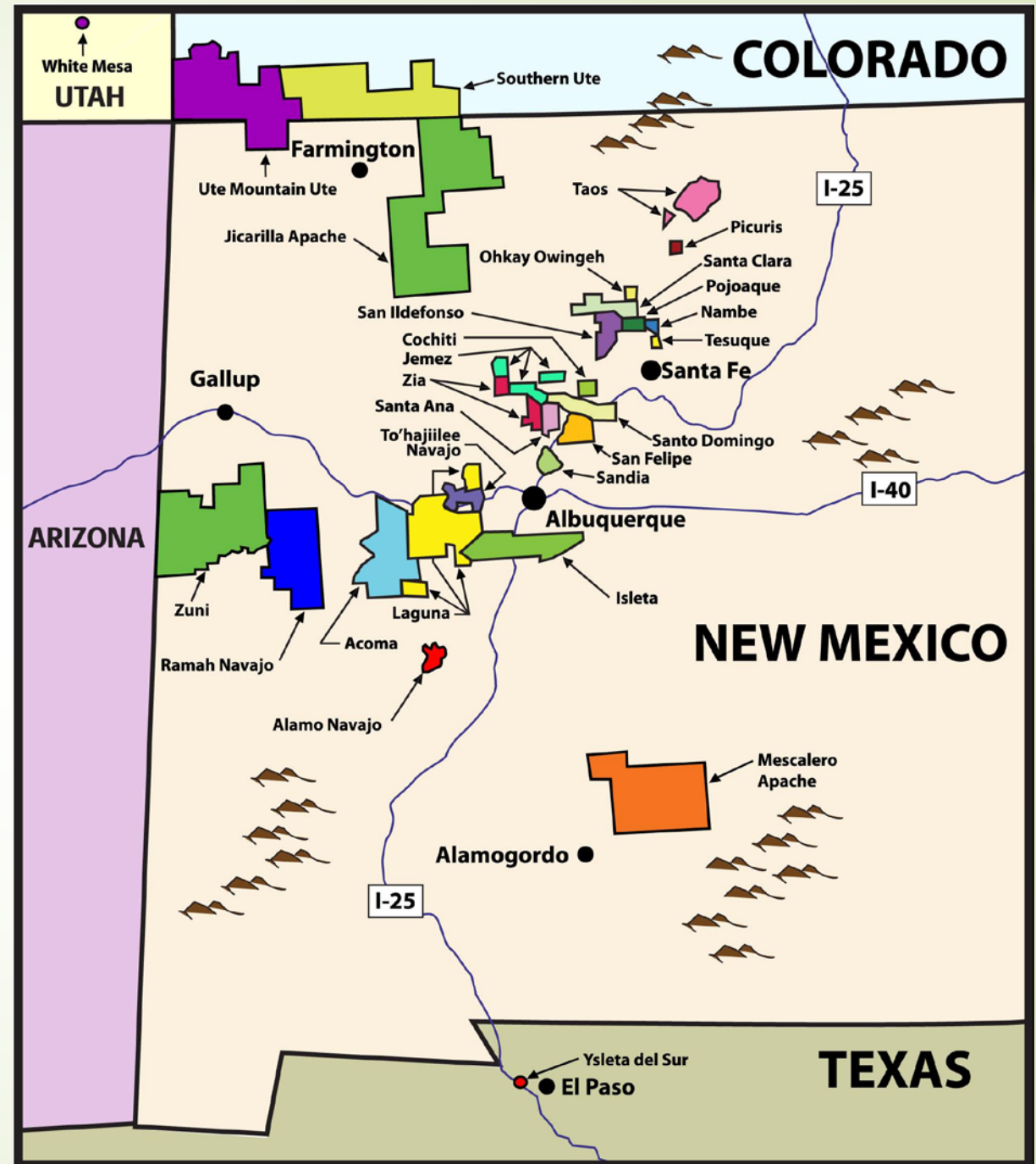
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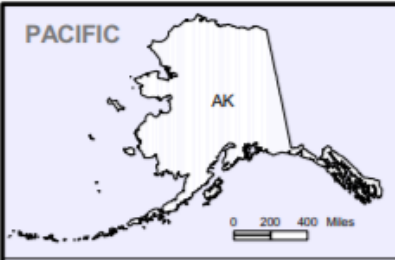
Setting

Albuquerque
Area Southwest
Tribal
Epidemiology
Center (AASTEC)

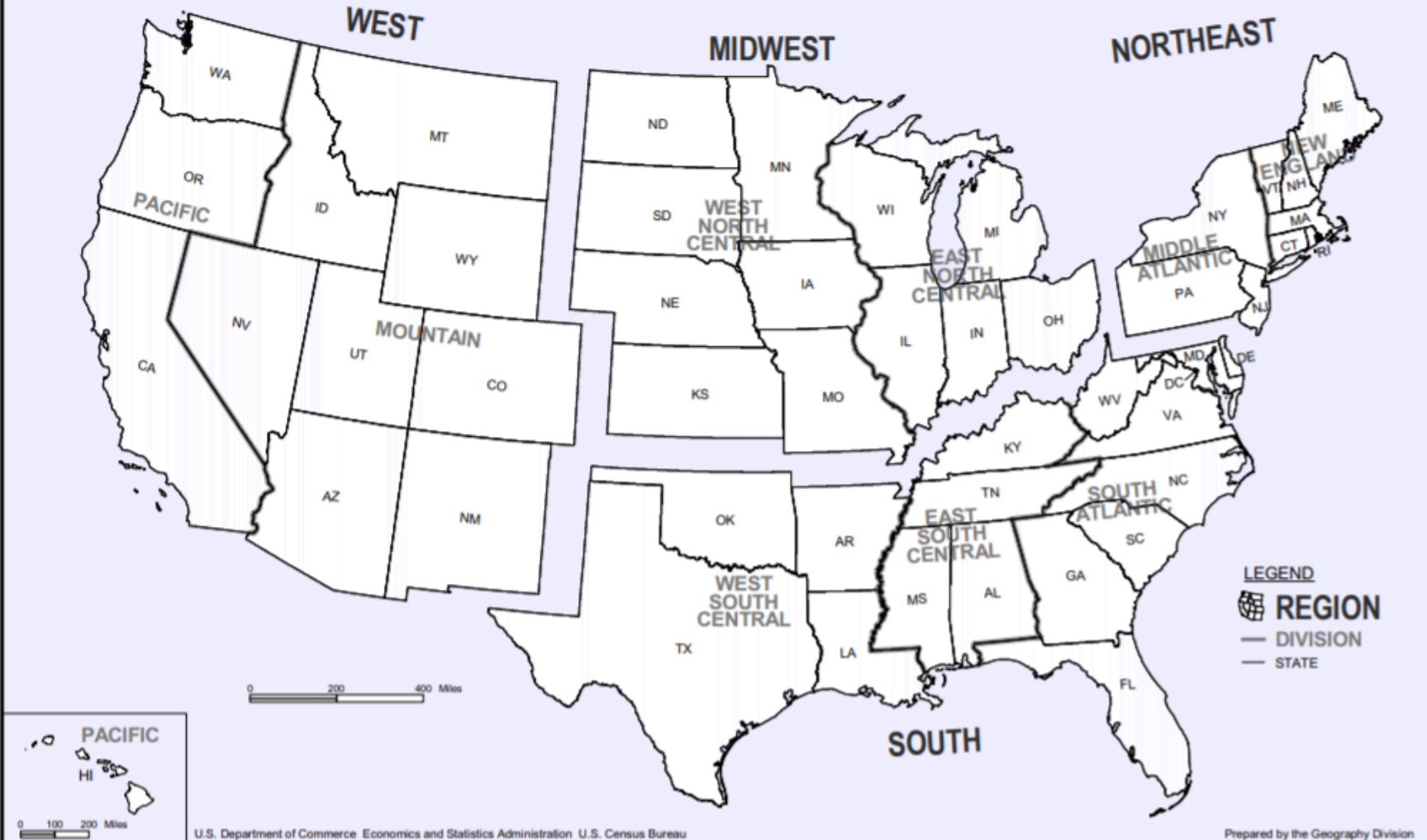




CDC's WISQARS (Web-based Injury
Statistics Query and Reporting System)



Census Regions and Divisions of the United States



U.S. Department of Commerce Economics and Statistics Administration U.S. Census Bureau

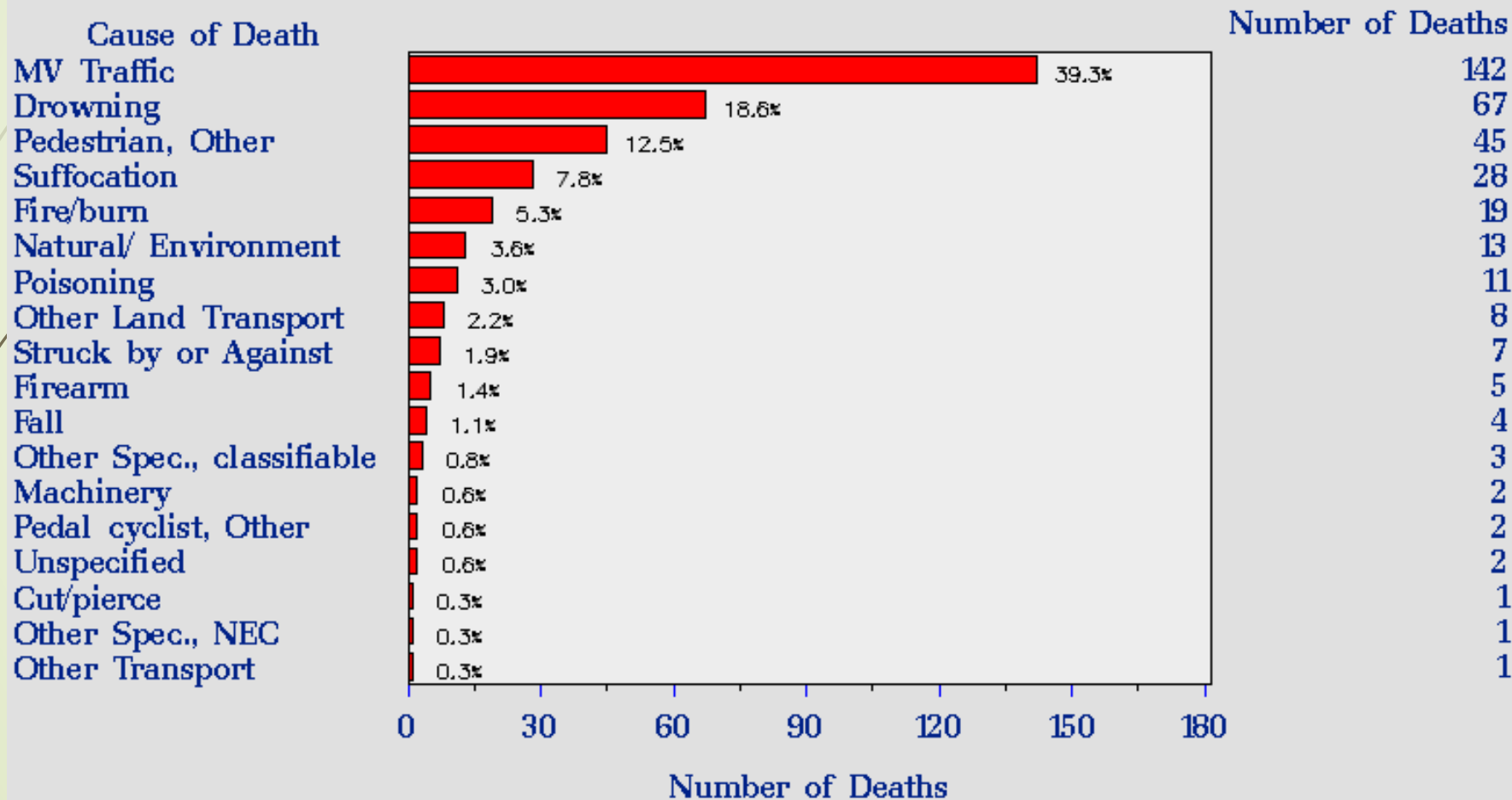
Prepared by the Geography Division

10 Leading Causes of Death, West 1999 - 2016, Am Indian/AK Native, Both Sexes

| Rank | Age Groups | | | | | | | | | | All Ages |
|------|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---|---|---|
| | <1 | 1-4 | 5-9 | 10-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ | |
| 1 | Congenital Anomalies 685 | Unintentional Injury 361 | Unintentional Injury 229 | Unintentional Injury 296 | Unintentional Injury 3,015 | Unintentional Injury 3,323 | Unintentional Injury 3,397 | Unintentional Injury 3,129 | Malignant Neoplasms 4,865 | Heart Disease 14,146 | Heart Disease 22,186 |
| 2 | SIDS 385 | Homicide 92 | Malignant Neoplasms 36 | Suicide 110 | Suicide 1,482 | Suicide 1,175 | Liver Disease 1,798 | Liver Disease 2,599 | Heart Disease 3,956 | Malignant Neoplasms 12,683 | Malignant Neoplasms 21,571 |
| 3 | Short Gestation 297 | Congenital Anomalies 85 | Congenital Anomalies 30 | Homicide 36 | Homicide 710 | Homicide 697 | Heart Disease 1,063 | Malignant Neoplasms 2,593 | Liver Disease 1,887 | Diabetes Mellitus 4,462 | Unintentional Injury 18,015 |
| 4 | Unintentional Injury 247 | Malignant Neoplasms 42 | Homicide 18 | Malignant Neoplasms 35 | Malignant Neoplasms 171 | Liver Disease 652 | Suicide 849 | Heart Disease 2,397 | Unintentional Injury 1,775 | Cerebrovascular 3,659 | Liver Disease 8,209 |
| 5 | Maternal Pregnancy Comp. 119 | Influenza & Pneumonia 29 | Influenza & Pneumonia 12 | Congenital Anomalies 25 | Heart Disease 126 | Heart Disease 394 | Malignant Neoplasms 827 | Diabetes Mellitus 937 | Diabetes Mellitus 1,662 | Chronic Low. Respiratory Disease 3,502 | Diabetes Mellitus 7,592 |
| 6 | Placenta Cord Membranes 118 | Heart Disease 26 | Chronic Low. Respiratory Disease 8 | Heart Disease 14 | Congenital Anomalies 55 | Malignant Neoplasms 311 | Homicide 482 | Suicide 531 | Chronic Low. Respiratory Disease 792 | Influenza & Pneumonia 2,280 | Cerebrovascular 5,084 |
| 7 | Influenza & Pneumonia 78 | Septicemia 20 | Heart Disease 8 | Septicemia 9 | Liver Disease 47 | Diabetes Mellitus 111 | Diabetes Mellitus 397 | Cerebrovascular 461 | Cerebrovascular 642 | Unintentional Injury 2,233 | Chronic Low. Respiratory Disease 4,691 |
| 8 | Circulatory System Disease 72 | Chronic Low. Respiratory Disease 9 | Cerebrovascular 5 | Benign Neoplasms 7 | Influenza & Pneumonia 37 | Influenza & Pneumonia 94 | HIV 241 | Influenza & Pneumonia 350 | Influenza & Pneumonia 424 | Alzheimer's Disease 1,648 | Suicide 4,532 |
| 9 | Homicide 69 | Cerebrovascular 8 | Septicemia 5 | Chronic Low. Respiratory Disease 6 | Complicated Pregnancy 29 | HIV 72 | Cerebrovascular 226 | Homicide 342 | Nephritis 417 | Nephritis 1,476 | Influenza & Pneumonia 3,537 |
| 10 | Two Tied 58 | Perinatal Period 7 | Perinatal Period 4 | Influenza & Pneumonia 6 | Septicemia 21 | Septicemia 72 | Influenza & Pneumonia 226 | Viral Hepatitis 340 | Septicemia 368 | Liver Disease 1,226 | Homicide 2,653 |

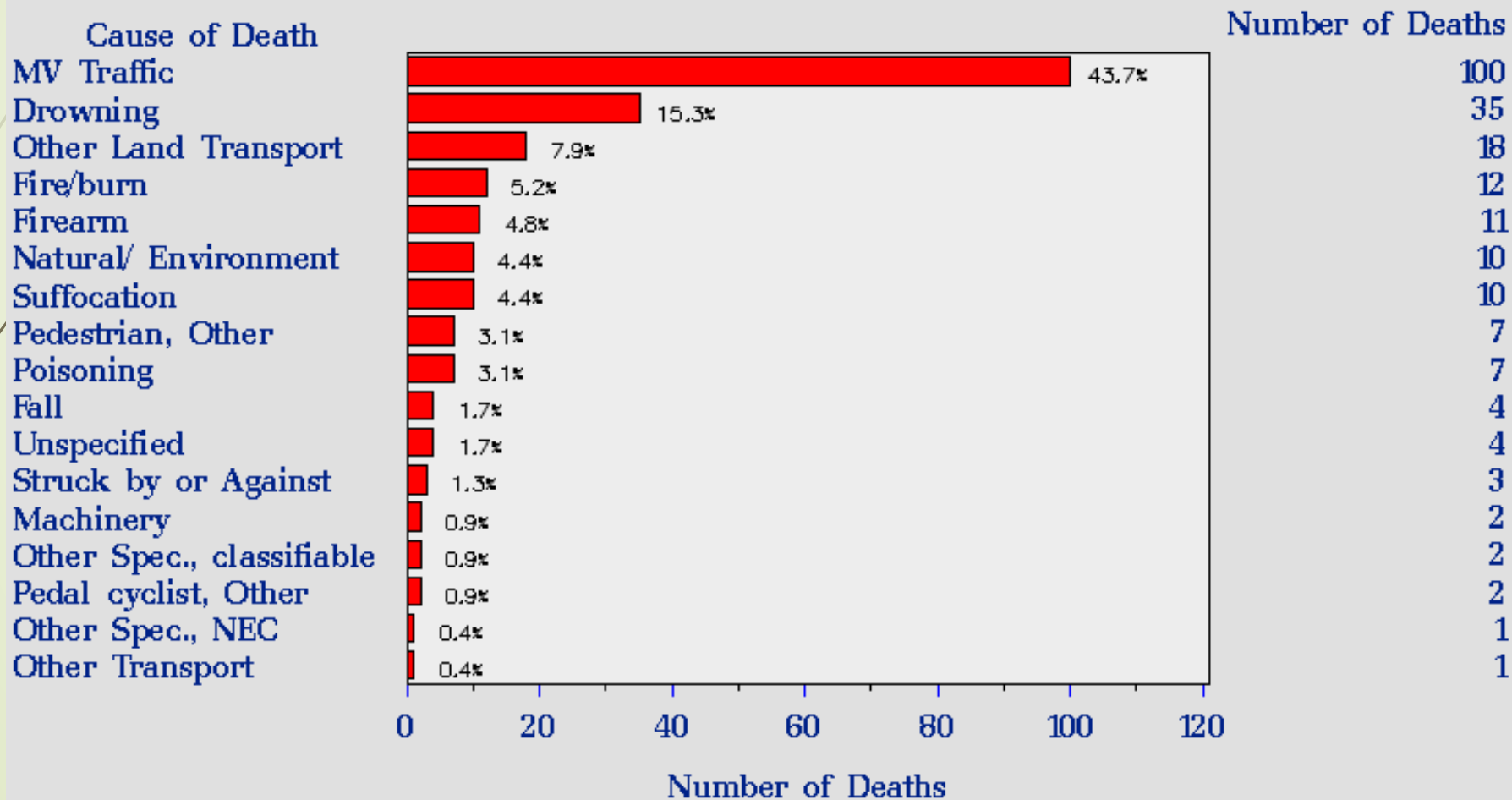
1999 – 2016, West
 Unintentional Injuries
 Ages 1–4, Am Indian/AK Native, Both Sexes
 Total Deaths: 361

Click on the colored bars to drill down to the ICD code level



1999 – 2016, West
 Unintentional Injuries
 Ages 5–9, Am Indian/AK Native, Both Sexes
 Total Deaths: 229

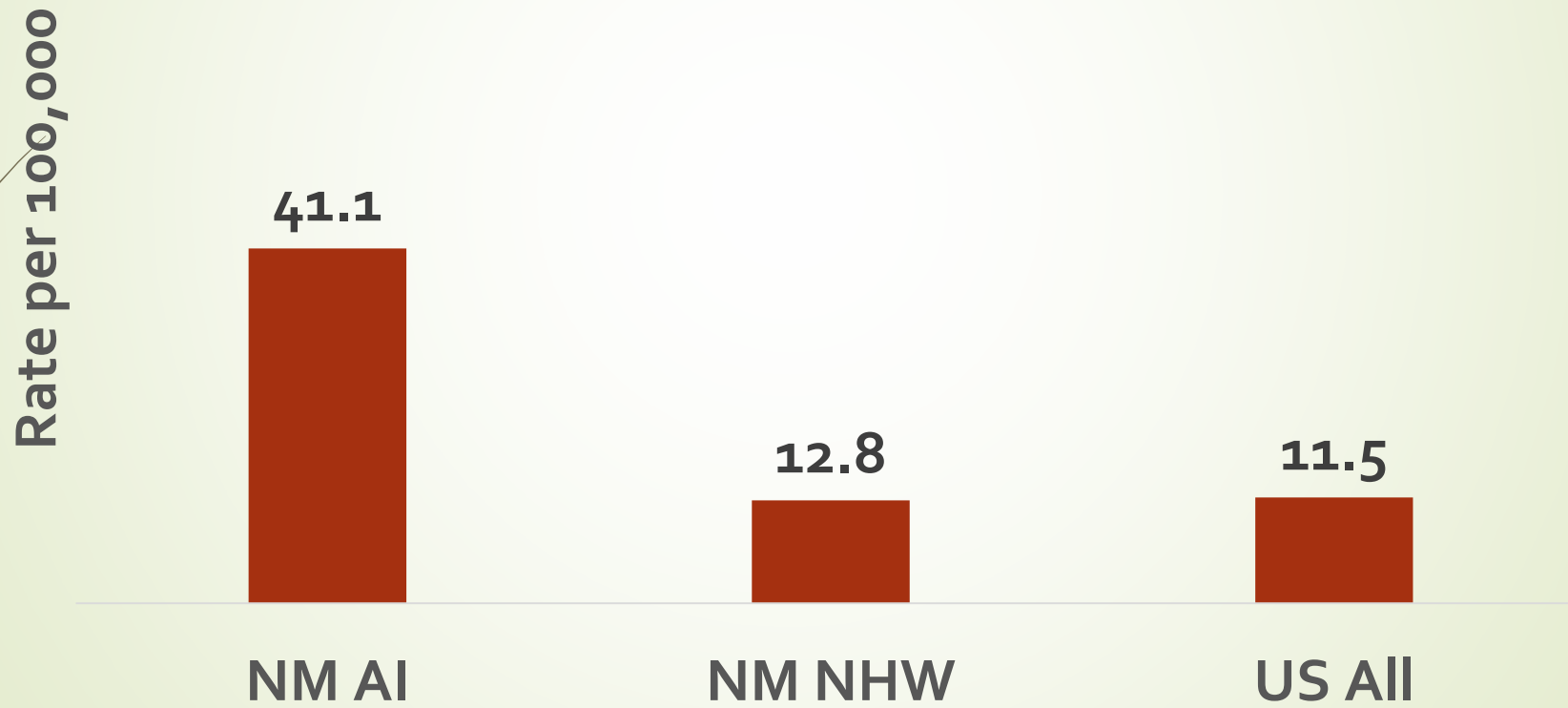
Click on the colored bars to drill down to the ICD code level



Leading Causes of Injury Related Deaths for American Indians with in New Mexico

| Leading Causes (2008-2017) | Deaths per 100,000 Population (Age-adjusted) |
|---|--|
| Injury, Motor vehicle accidents | 41.1 |
| Injury, Accidental poisoning and exposure to noxious substances | 25.9 |
| Injury, Other and unspecified nontransport accidents and their sequelae | 16.1 |
| Injury, Falls | 15.7 |
| Injury, Intentional self-harm (suicide) by other and unspecified means and their sequelae | 15.6 |
| Injury, Assault (homicide) by other and unspecified means | 10.9 |
| Injury, Intentional self-harm (suicide) by discharge of firearms | 6 |
| Injury, Other and unspecified events of undetermined intent and their sequelae | 4.1 |
| Injury, Assault (homicide) by discharge of firearms | 3.8 |
| Injury, Accidental drowning and submersion | 2.8 |

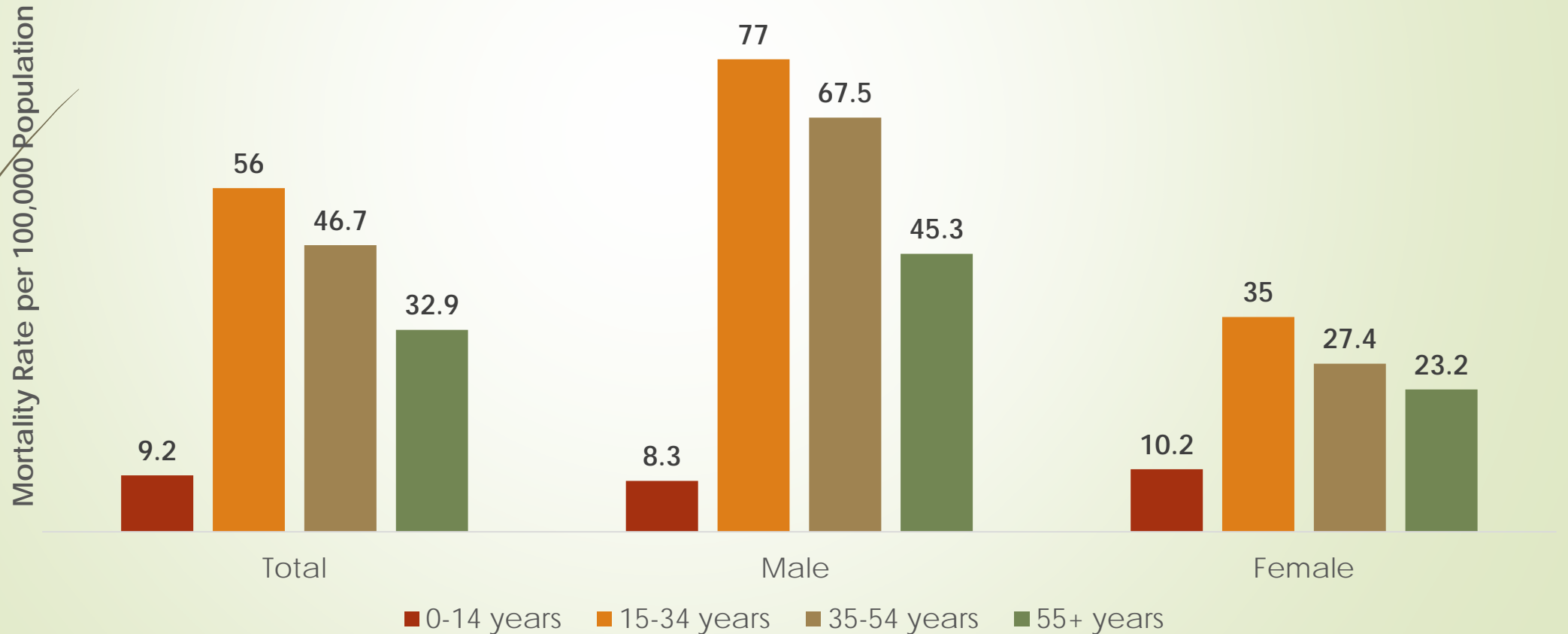
Motor Vehicle Related Deaths per 100,000 (age-adjusted) by ethnicity **for** all ages (2008-2017)




Sources: NM IBIS/CDC WISQARS 2012-2016

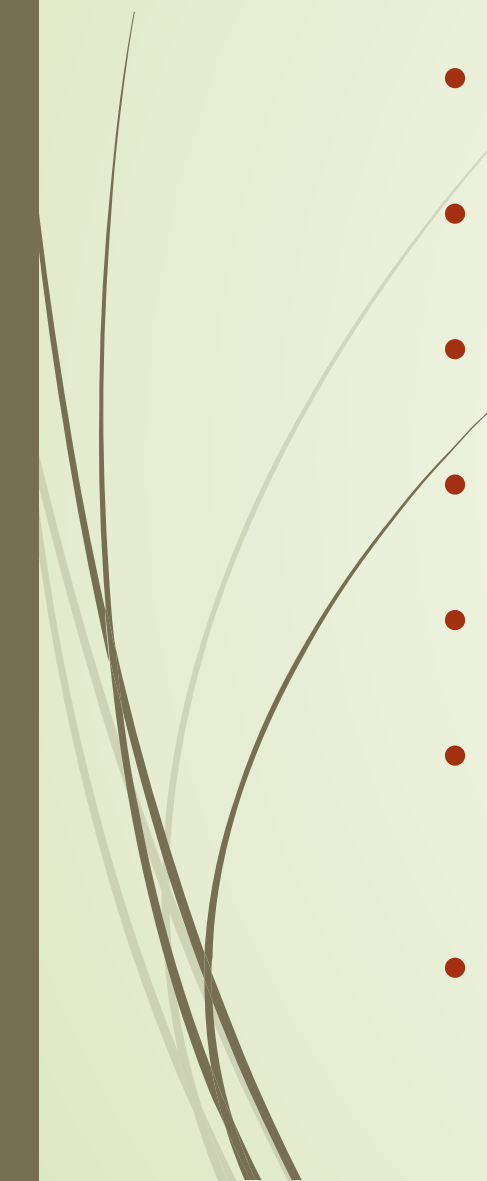
Motor Vehicle Death Rates per 100,000 for American Indians by age groups (2002-2016)

Motor Vehicle Death Rates per 100,000 Population by Age Groups (2002-2016)





Scope of Work

- Conduct Injury Prevention Gap Analysis
 - Establish Regional Tribal IP Coalition
 - Implement Surveillance/Data Quality Projects
 - Pilot Test IP Projects
 - Coordinate Regional Webinars/Trainings
 - Develop Culturally Appropriate Small Media Products
 - Offer Technical Assistance
- 



Injury Prevention Evidence-based Gap Analysis



Injury Prevention Gap Analysis

- Online Survey
- All 27 IHS Albuquerque Area Tribes
- Disciplines Targeted:
 - ✓ Health Administrator
 - ✓ CHRs
 - ✓ Environmental Health
 - ✓ Law Enforcement
 - ✓ EMS/EMT
 - ✓ Head Start
 - ✓ Senior/Elder Services
 - ✓ Wellness Centers
 - ✓ Housing Authorities
 - ✓ Social Services
 - ✓ Public Health Nursing
 - ✓ Diabetes Programs

Key Topics

- Demographics
- Perceived concern
- Current evidence-based IP practices
- Existing IP small media
- Local data collection and surveillance
- Training needs
- Coalition participation
- Barriers
- Resources needed



Participation

INDIVIDUALS

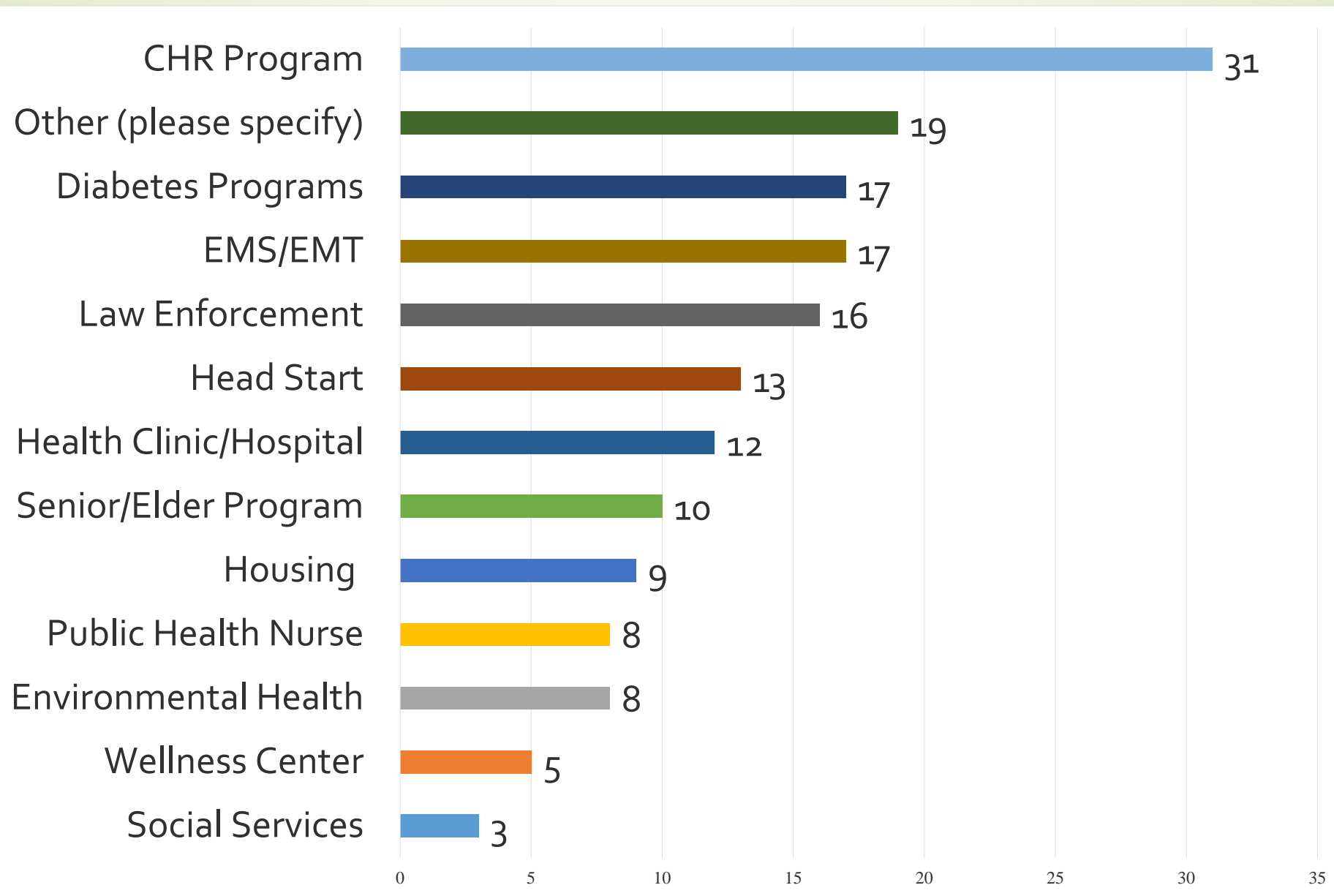
Target Sample: n= 267
Total Participants: n= 169
Response Rate: **63.3%**

TRIBES

Target Sample: n= 27
Total Participants (Tribes): n= **27**
Response Rate: 100%
Average Respondents/Tribe: 6.2
Range: 1-16



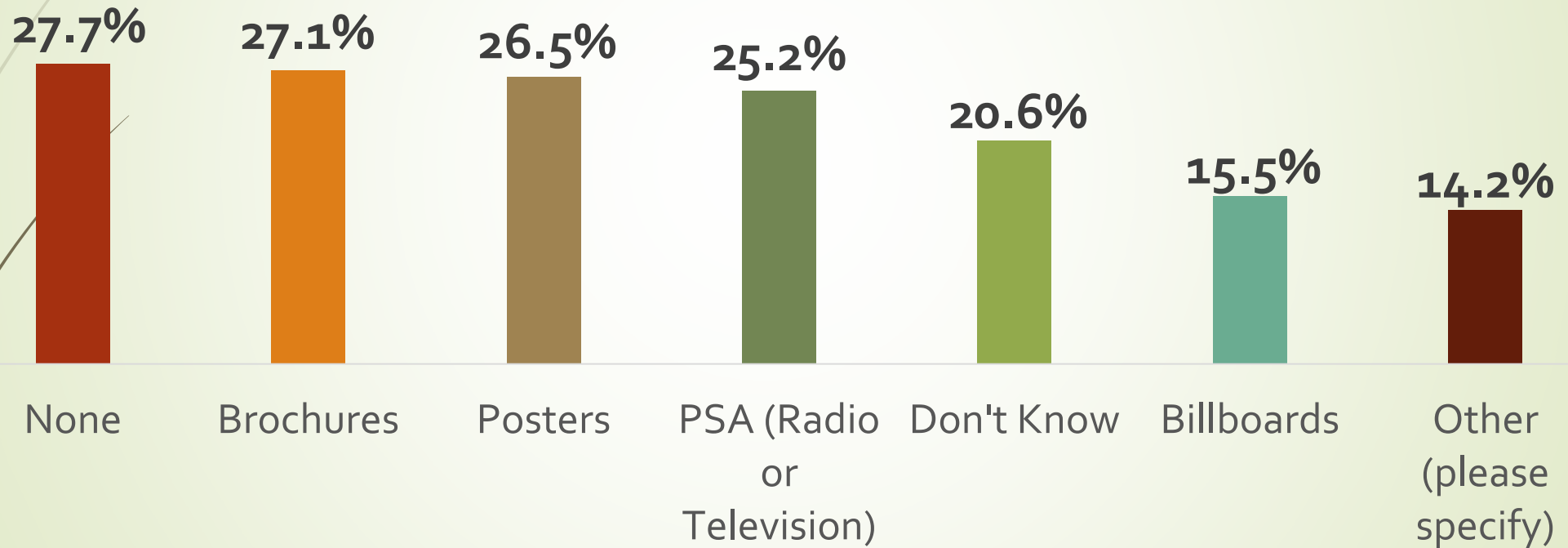
Participant Discipline



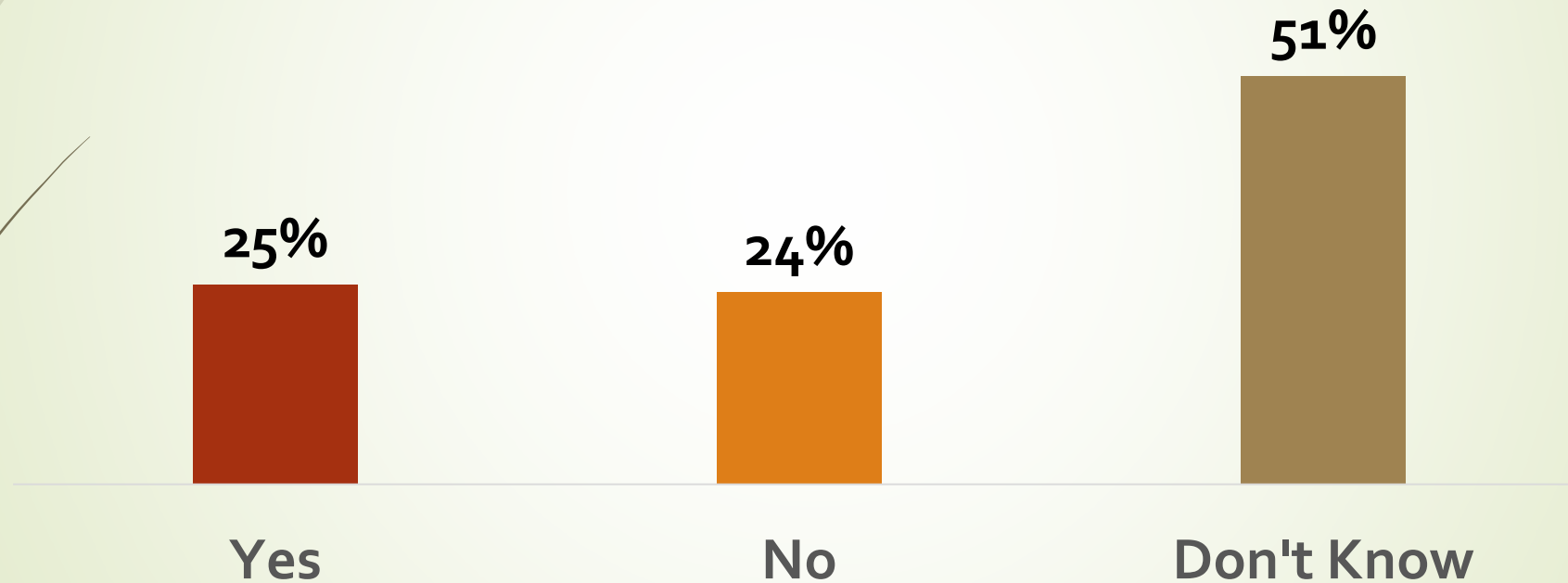


Motor Vehicle Safety

Local IP MVS Small Media



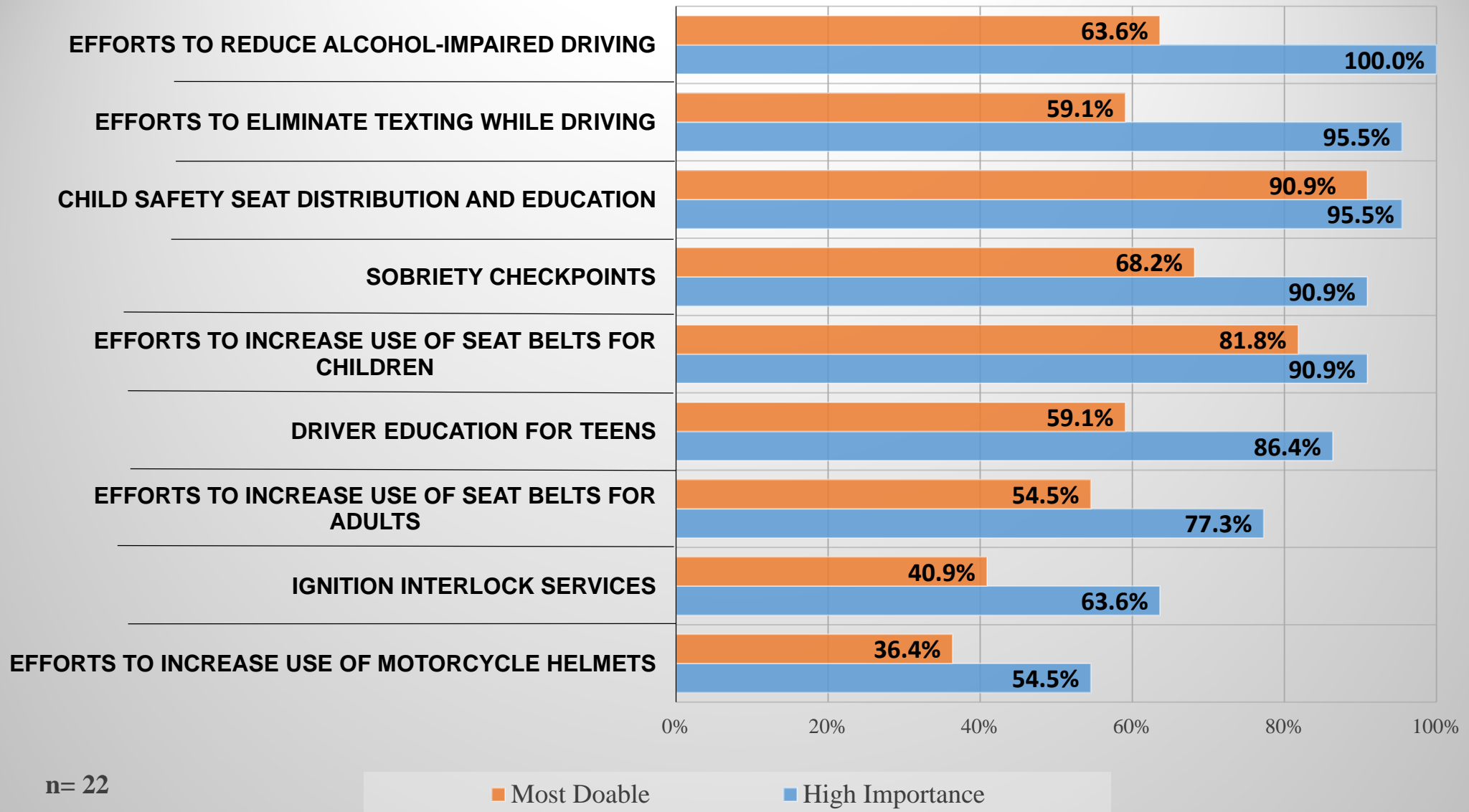
Local Data Collection/Monitoring for MVS Related Injuries



Current Evidence-Based Motor Vehicle Safety Practices

| | % |
|--|-------|
| Child safety seat education | 76.1% |
| Child safety seat distribution | 66.0% |
| Efforts to increase use of seat belts for children | 59.0% |
| Efforts to reduce alcohol-impaired driving | 58.1% |
| Sobriety checkpoints | 57.1% |
| Efforts to increase use of seat belts for adults | 54.2% |
| Efforts to eliminate texting while driving | 30.8% |
| Efforts to increase use of motorcycle helmets | 18.7% |
| Ignition interlock services | 14.2% |
| Driver education for teens | 12.2% |

Focus Group: MV Interventions





Preferred Motor vehicle safety Training Topics

| | % |
|---|-------|
| Strategies to reduce alcohol-impaired driving | 69.2% |
| Policies/laws to support unintentional injury prevention | 61.6% |
| Child safety seat education programs | 57.5% |
| Data/surveillance for unintentional injuries among American Indians | 56.8% |
| Program Evaluation | 46.6% |
| Other (please specify) | 4.8% |



Barriers to implementing injury prevention activities

| | % |
|--|--------------|
| Insufficient funds dedicated to injury prevention | 70.9% |
| Lack of awareness and/or prioritization of injury prevention | 68.9% |
| Lack of training among community workers in injury prevention | 59.6% |
| Lack of culturally appropriate injury prevention resources and/or programs | 49.7% |
| Lack of programs/services | 47.7% |
| Other (please specify) | 13.9% |



Discussion

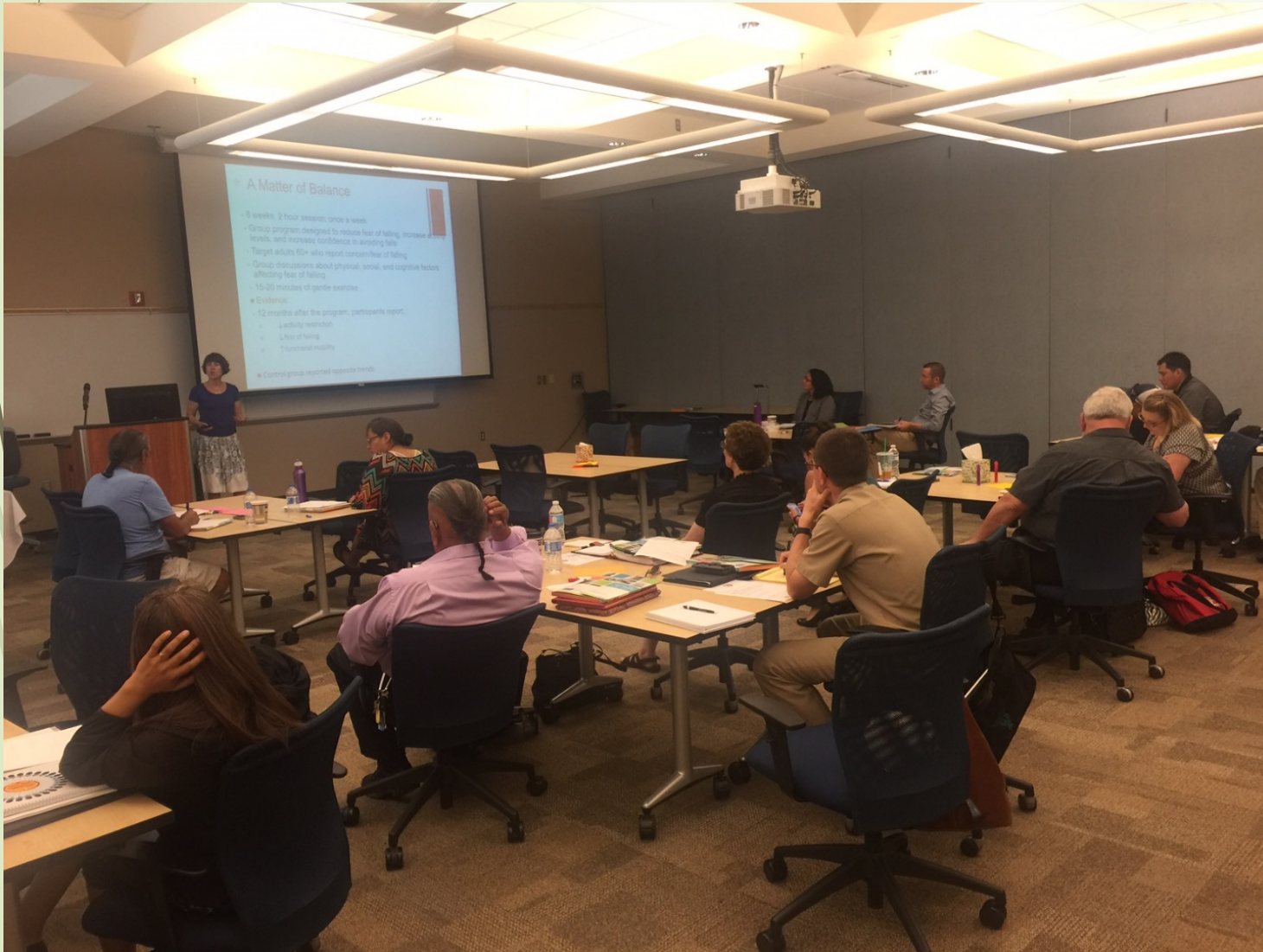
- Benefits

- Learn state of evidence-based practice and resources needed
- Next Program steps: Training development, media projects, data, coalition development
- 260 contacts

- Limitations

- Not all communities and disciplines participated the same (R= 1-16)
- Self reported data
- Only 2 communities for focus groups
- Timing of release date

Albuquerque Area Tribal Injury Prevention Coalition (TIP-Co)



- **Mission:** To reduce injuries throughout tribal communities with support of tribal leadership through prevention and education to promote healthy communities.
- **Vision:** Serving future generations starting with a safer today



Improving AI/AN Injury Data

- Tribal BRFSS
 - falls, seat belt use, drink/drive
- AI/AN Oversampling in NM YRRS/CO YRBS
 - seat belt use, text/drive and drink/drive
- Tribal PRAMS
 - Sleep position, car seat and new tribal addendum

Pilot test Injury Prevention activities for IHS/Tribal Health Facilities

Child Passenger Safety CPS:

- Hosting and Coordinating child safety seat clinics within the IHS Albuquerque Area.
- 200+ car seat distributed to Tribal Communities
- Jerrod Moore is now a CPS instructor and 2 AASTEC staff are CPS certified



Provide Technical Assistance IP Programs



- Conducted site visits with existing Tribes in Albuquerque Area
- Resource needs included:
 - *Resources for courses*
 - *The need for more culturally appropriate educational materials*
 - *Designing electronic data system*
 - *Training needs*



Questions