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MOTOR VEHICLE CRASH DATA UPDATE

State Health Improvement Plan (SHIP) Workgroup

September 10, 2019

Objective #1	Decrease age-adjusted mortality rate due to MVCs from 19 deaths per 100,000 people to 12 deaths per 100,000
Baseline Data	18.7 per 100,000 (95% CI: 17.5-20.0) 2012-2016 OVS Data
Target Setting Method	Same target as HP2020 IVP-13.1 "Reduce MVC-related deaths per 100,000 population"
Data Update Aug 2019	18.2 per 100,000 (95% CI: 17.0-19.5) 2013-2017 OVS Data 17.3 per 100,000 (95% CI: 16.2-18.6) 2014-2018 OVS Data

Objective #2	Increase the proportion of adult motor vehicle occupants that report always wearing seatbelts from 75% to 79%
Baseline Data	75% 2016 BRFSS Survey
Target Setting Method	HP2020 IVP-15 "Increase use of safety belts" set a target of 10% improvement in 10 years. For the 5-year SHIP, we set a target of 5% improvement $75+(75*0.05)=78.8$
Data Update Aug 2019	77.0% 2017 BRFSS Survey 76.3% 2018 BRFSS Survey

Objective #3	Increase the proportion of high school students who report always wearing seatbelts while riding in a car driven by someone else from 52% to 55%
Baseline Data	51.5% 2017 YRBS survey
Target Setting Method	HP2020 IVP-15 "Increase use of safety belts" set a target of 10% improvement in 10 years. For the 5-year SHIP, we set a target of 5% improvement $52+(52*0.05)=54.6$
Data Update Aug 2019	52.3% 2019 YRBS survey

Objective #4	Decrease the proportion of traffic fatalities that involve alcohol-impaired drivers from 40% to ??%
Baseline Data	39.9% 2012-2016 FARS Data
Target Setting Method	Need to work with Impaired Driving Emphasis Area WG (MDT) to set the target
Data Update Aug 2019	37.4% 2013-2017 Data

Objective #5	Decrease the proportion of high school students who report texting or emailing while driving from 54% to 51%
Baseline Data	54.2% 2017 YRBS survey
Target Setting Method	5% reduction in 5 Years $54 - (54 * 0.05) = 51.3$
Data Update Aug 2019	53.3% 2019 YRBS Survey

Objective #6	Decrease age-adjusted rate of non-fatal ED visits related to MVCs from 389 per 100,000 people to 370 per 100,000
Baseline Data	389.4 per 100,000 (95% CI: 376.9-402.0) 2016 MHDDS Data
Target Setting Method	HP2020 IVP-14 "Reduce non-fatal MVC-related injuries" set a target of 10% improvement in 10 years. For the 5-year SHIP, we set a target of 5% improvement $389.4 - (389.4 * 0.05) = 369.9$
Data Update Aug 2019	410.0 per 100,000 (95% CI: 397.2-422.8) 2017 MHDDS Data 392.8 per 100,000 (95% CI: 380.3-405.3) 2018 MHDDS Data

Objective #7	Decrease age-adjusted rate of non-fatal hospitalizations due to MVCs from 37 per 100,000 people to 36 per 100,000
Baseline Data	37.4 per 100,000 (95% CI: 33.6-41.2) 2016 MHDDS Data
Target Setting Method	HP2020 IVP-14 "Reduce non-fatal MVC-related injuries" set a target of 10% improvement in 10 years. For the 5-year SHIP, we set a target of 5% improvement $37.4 - (37.4 * 0.05) = 35.5$
Data Update Aug 2019	37.7 per 100,000 (95% CI: 33.8-41.6) 2017 MHDDS Data 35.0 per 100,000 (95% CI: 31.4-38.6) 2018 MHDDS Data

Objective #1	Decrease age-adjusted mortality rate due to MVCs among American Indians from 55 deaths per 100,000 people to 52 deaths per 100,000
Baseline Data	55.0 per 100,000 (95% CI: 47.2-64.6) 2012-2016 OVS Data
Target Setting Method	HP2020 IVP-13.1 "Reduce MVC-related deaths per 100,000 population" set a target of 10% improvement in 10 years. For the 5 year SHIP we set a target of 5% improvement. $55.0 - (55.0 * 0.05) = 52.3$
Data Update Aug 2019	50.7 per 100,000 (95% CI: 43.3-59.9) 2013-2017 OVS Data 50.8 per 100,000 (95% CI: 43.4-59.8) 2014-2018 OVS Data

Objective #2	Increase the proportion of adult American Indian motor vehicle occupants that report always wearing seatbelts from 69% to 72%
Baseline Data	69% 2016 BRFSS Survey
Target Setting Method	HP2020 IVP-15 "Increase use of safety belts" set a target of 10% improvement in 10 years. For the 5-year SHIP, we set a target of 5% improvement $69+(69*0.05)=72.45$
Data Update Aug 2019	72.5% 2017 BRFSS Survey 72.5% 2018 BRFSS Survey

Objective #3	Increase the proportion of American Indian high school students who report always wearing seatbelts while riding in a car driven by someone else from 32% to 34%
Baseline Data	32.0% 2017 YRBS survey
Target Setting Method	HP2020 IVP-15 "Increase use of safety belts" set a target of 10% improvement in 10 years. For the 5-year SHIP, we set a target of 5% improvement $32.0+(32.0*0.05)=33.6$
Data Update Aug 2019	33.5% 2019 YRBS Survey

Objective #4	AI/AN MVC morbidity metric - TBD
Baseline Data	N/A
Target Setting Method	N/A
Data Update Aug 2019	N/A

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QUESTIONS?

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