

Ignition Interlock Installations 2019 State Data

2022 AIIPA Conference

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Traffic Injury Research Foundation
May 25th, 2022

TRAFFIC INJURY RESEARCH FOUNDATION

TIRF

Applying research to the real world.





Alcohol impaired driving

- > According to 2019 FARS data, there were 10,142 alcohol-impaired driving fatalities in the U.S.
 - ◆ Accounting for 28% of all 2019 traffic fatalities.
 - ◆ Lowest percentage since 1982 when NHTSA started reporting alcohol data.
- > Then the pandemic happened...number of crashes/traffic injuries declined overall, but fatal crashes increased **6.8%**, followed by a further **12%** increase in fatalities during the first 9 months of 2021.
- > In 45% of fatal crashes, the drivers of passenger vehicles were engaged in at least one of the following risky behaviors: speeding, **alcohol impairment**, or not wearing a seat belt.

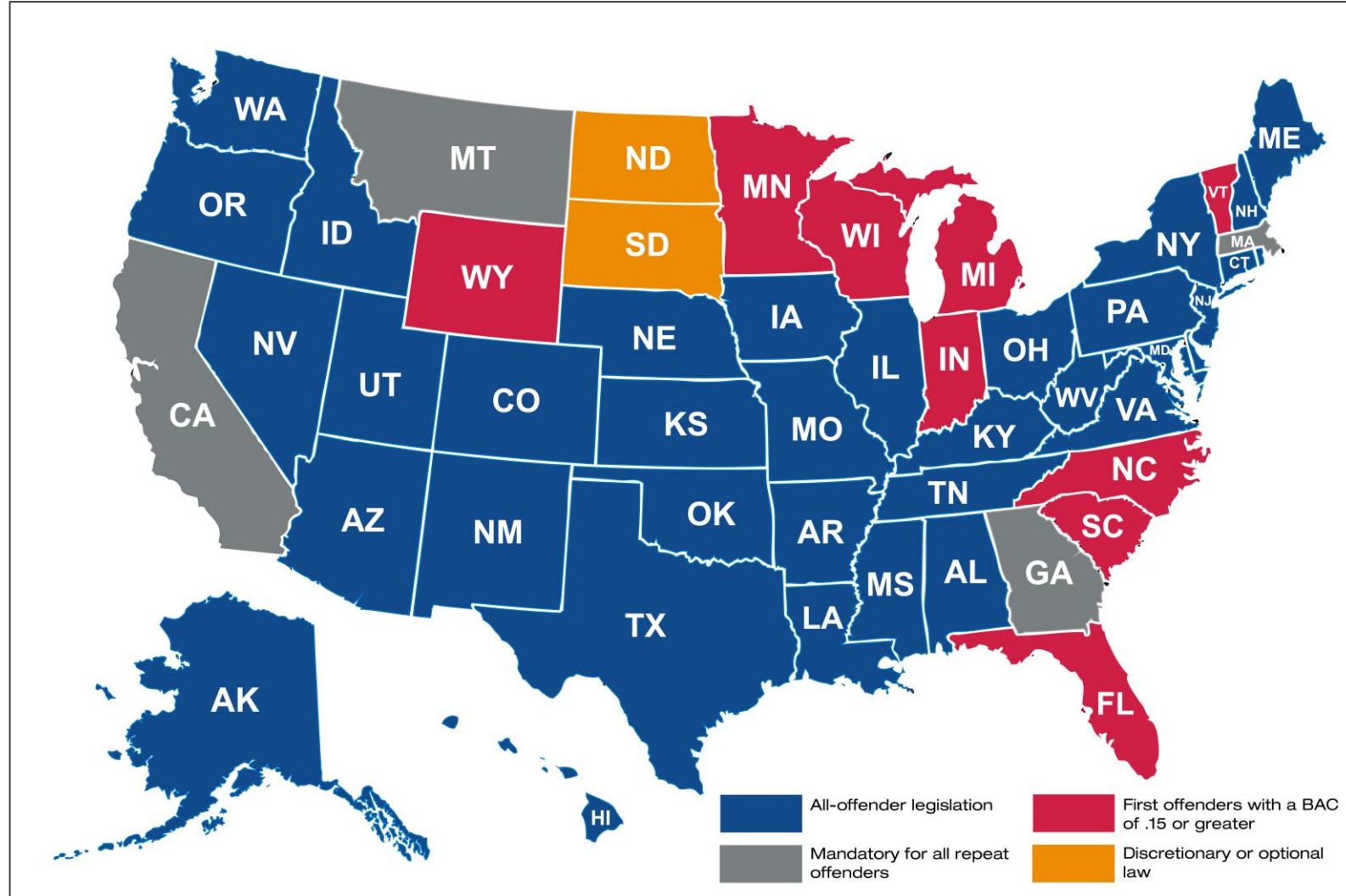


Alcohol ignition interlocks

- > A systematic review of 15 scientific studies conducted by the CDC revealed while interlocks were installed, the re-arrest rate of offenders decreased by 67% compared to groups that did not have the device installed (Elder et al. 2011).
- > Recent evaluations studying the impact of interlocks on crashes have also demonstrated interlock programs embedded in strong legislation can reduce alcohol-related fatalities (Marques et al. 2010; McCartt et al. 2013; Kaufman and Wiebe, 2016; Lucas et al. 2016; Vanlaar et al. 2017; McGinty et al. 2017; Teoh et al. 2018; 2021).

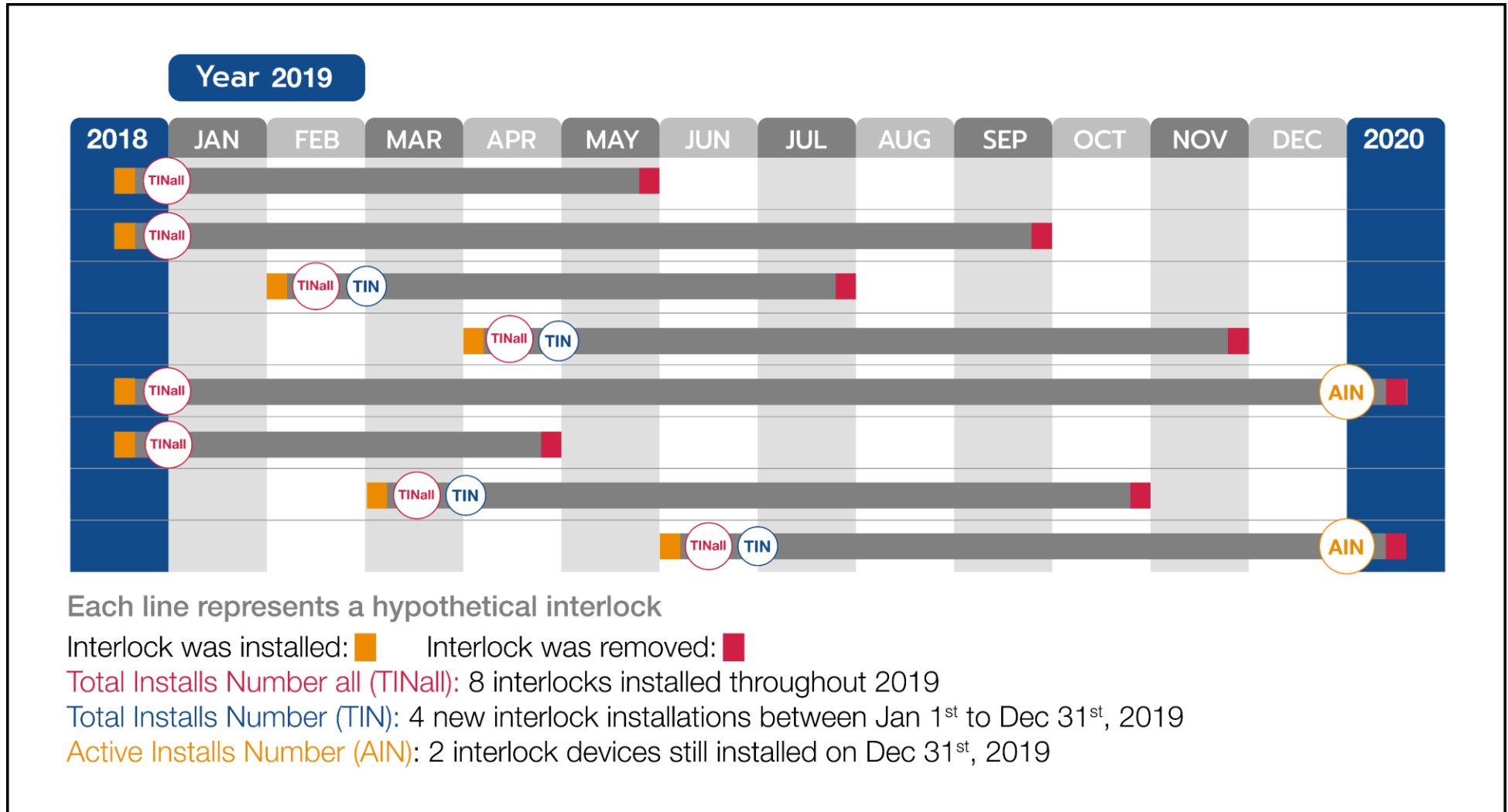


Laws mandating IIDs, July '21





Installation counts





2019 TINall, TIN and AIN

212,752

TINall

18 states and
Washington, D.C.

147,027

TIN

19 states and
Washington, D.C.

137,602

AIN

19 states

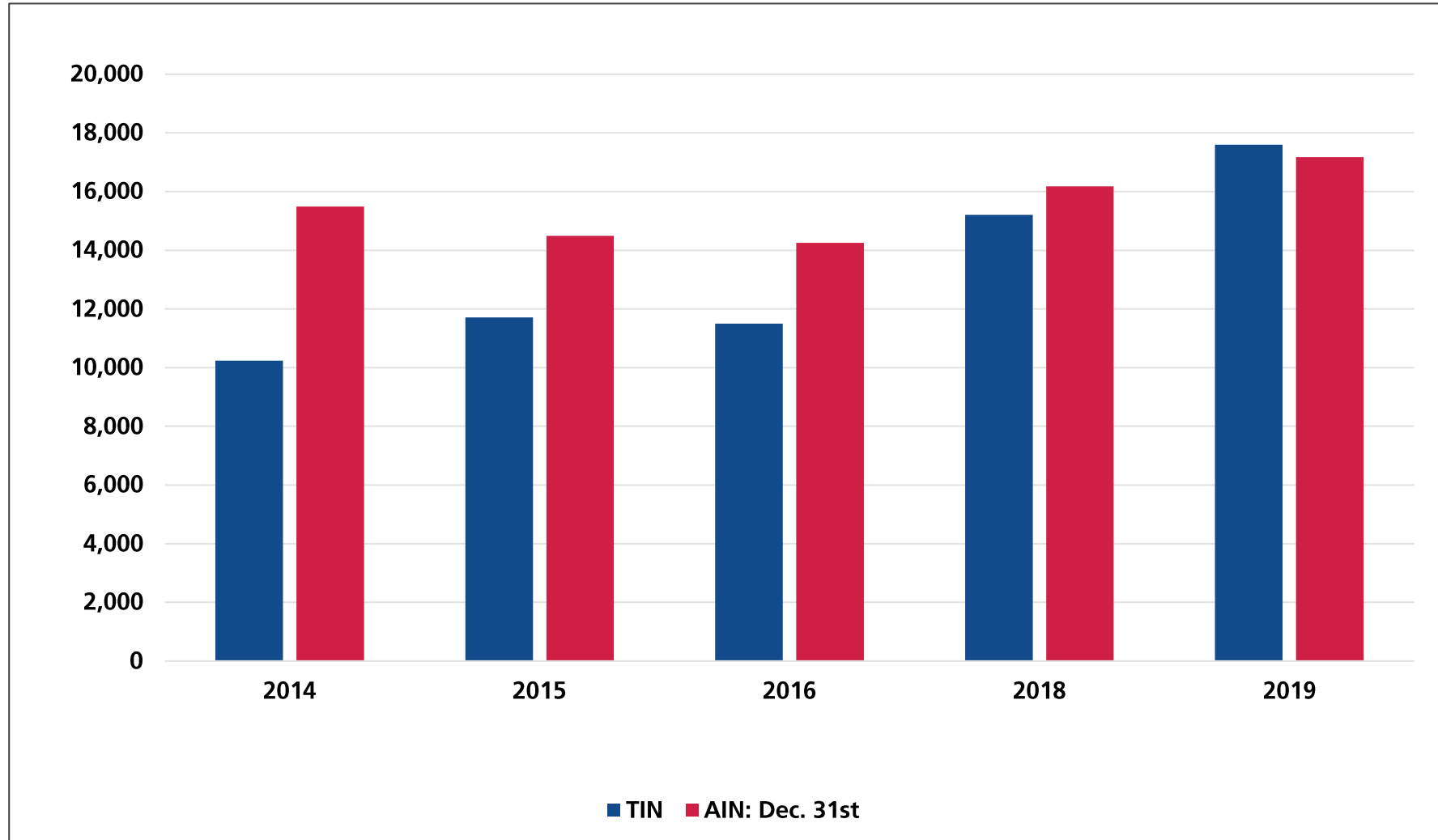


Results: 2018 vs. 2019

- > TINall: **2% decrease** (13 states)
- > TIN: **16% increase** (14 states); since 2014 there has been a **72% increase** (3 states).
- > AIN: **7% increase** (19 states); since 2017 there has been a **11% increase** (3 states).

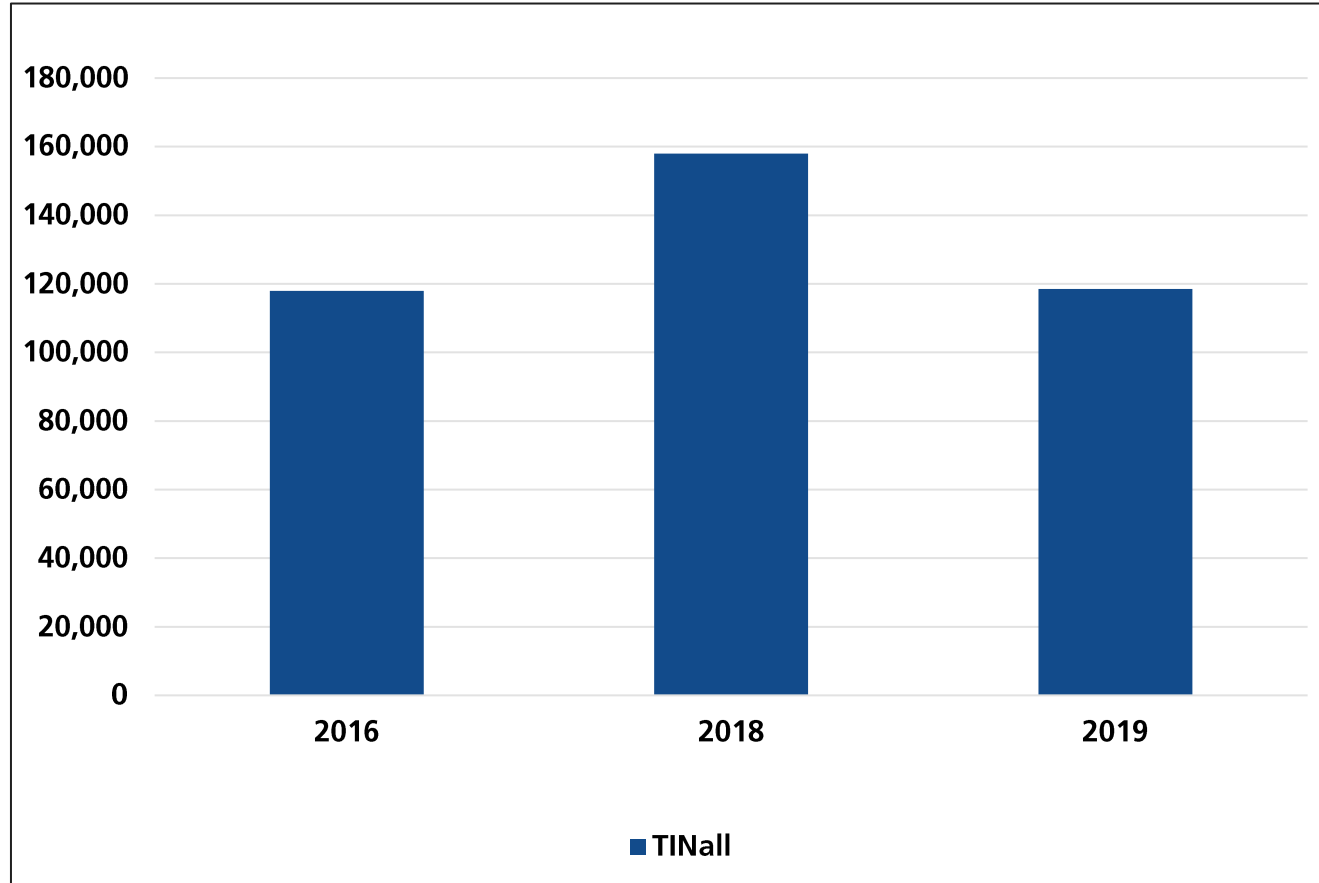


TIN and AIN trends (IA, PA, WY)





TINall trends

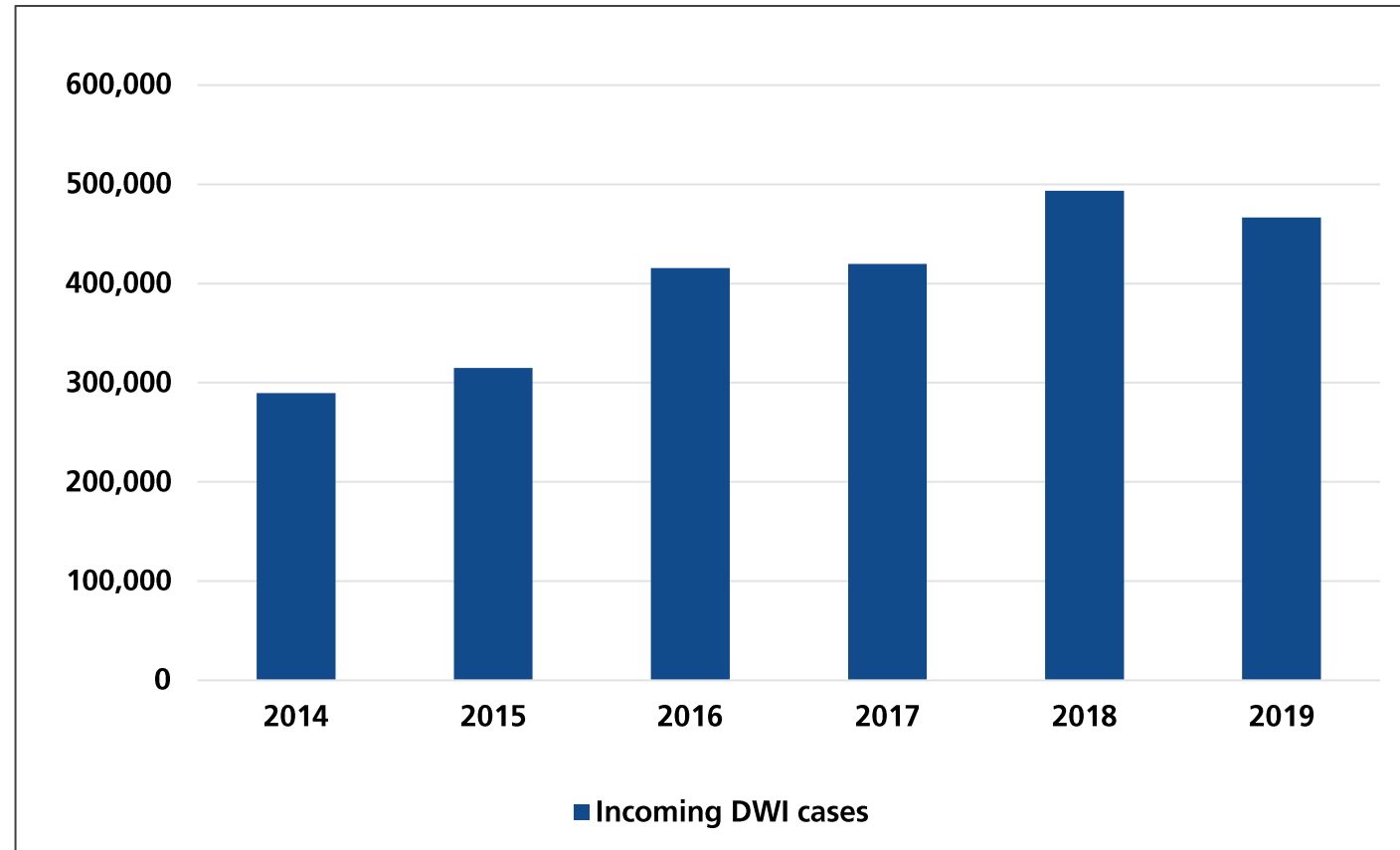


- > Nine states provided TINall data since its collection for 2016, 2018, and 2019 (AR, CO, DE, IA, KS, ME, PA, WV, and WY).
- > There has been a **1% increase** in TINall from 117,916 in 2016 to 118,541 in 2019.



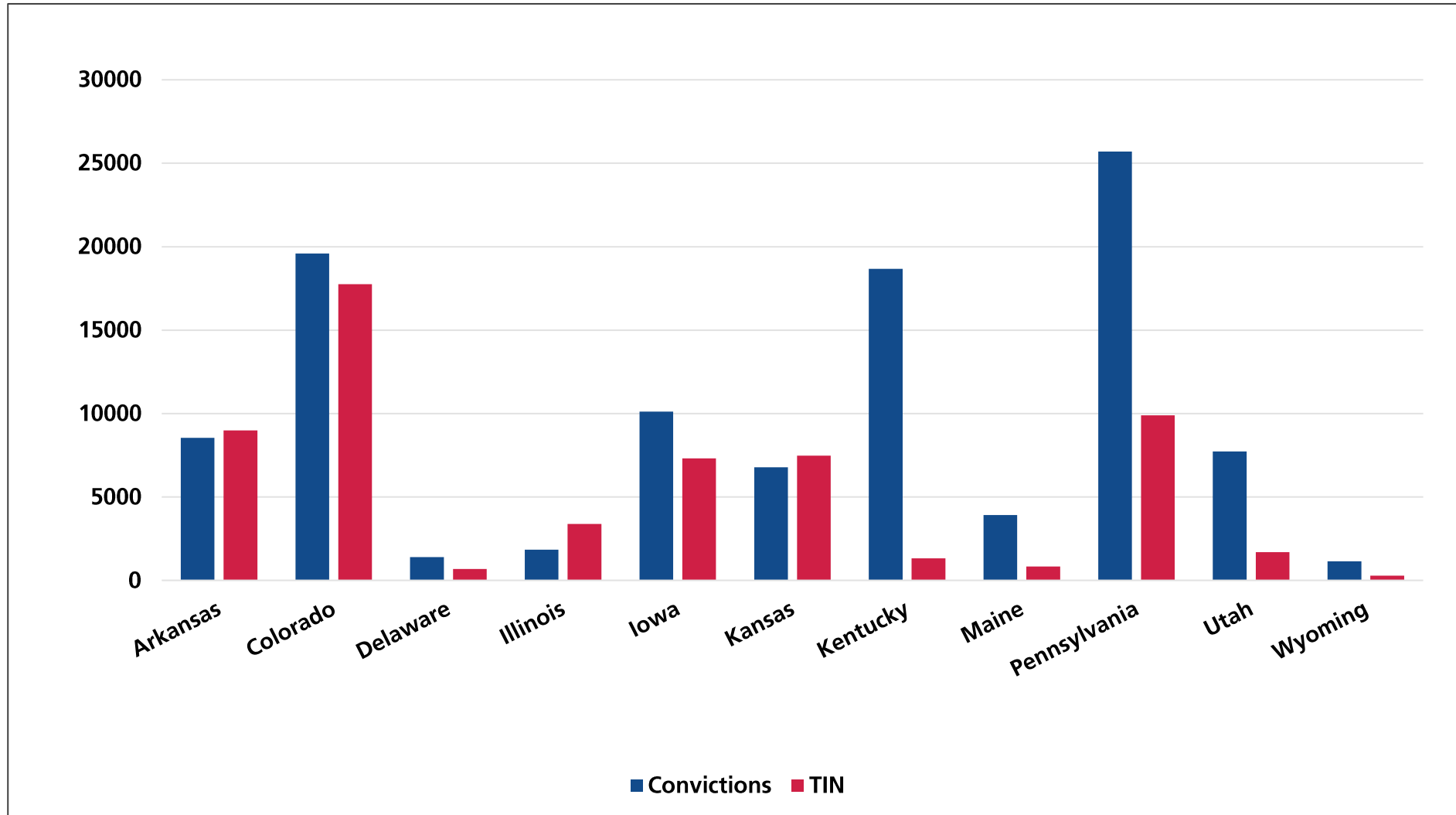
Incoming DWI cases

- > Data provided by NCSC revealed a steady increase in incoming DWI cases in 27 states from 289,583 in 2014 to 466,643 in 2019.
- > This represents an overall **61% increase** since 2014.
- > There was a **5% decrease** in incoming DWI cases from 2018 to 2019.



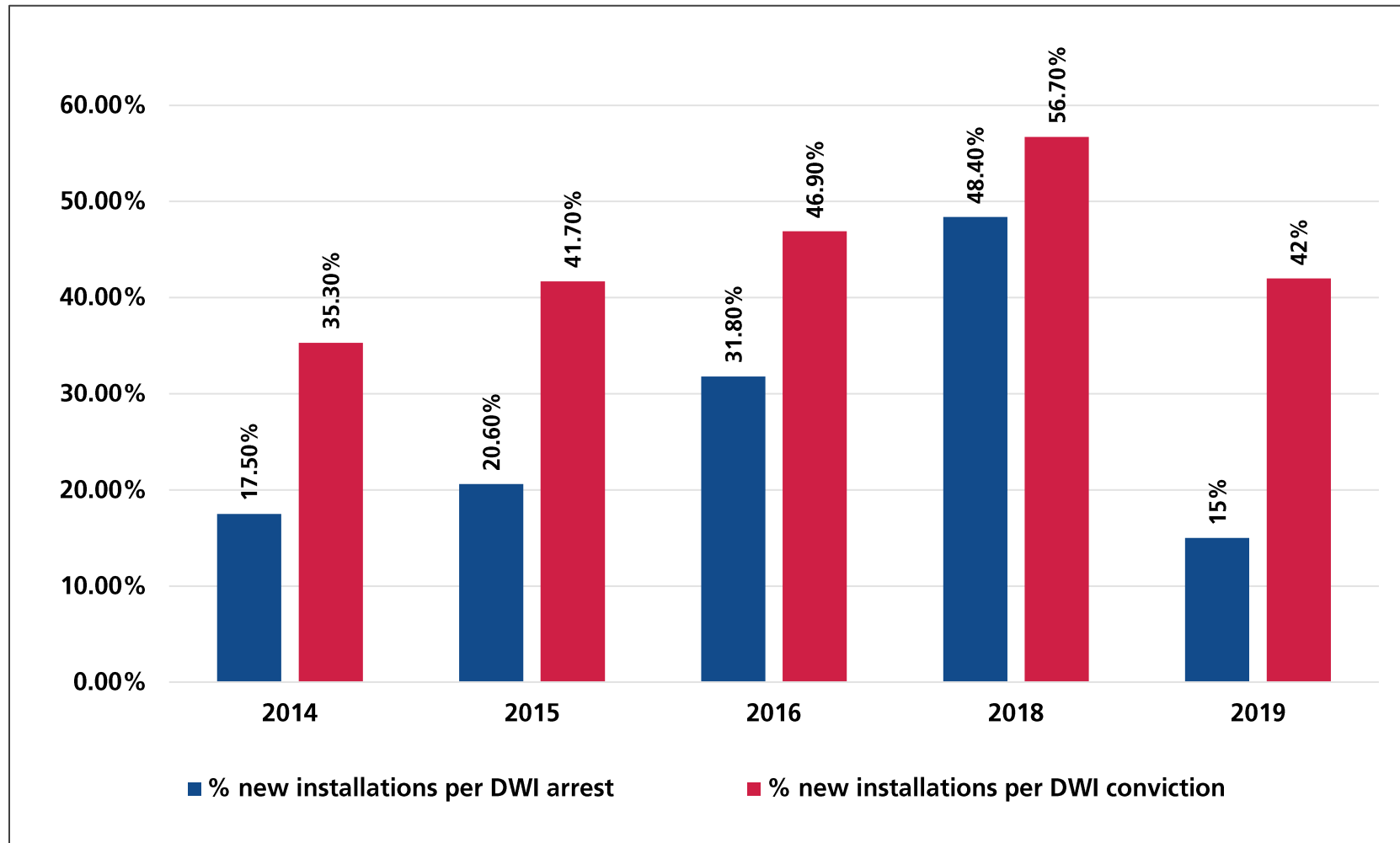


DWI convictions and TIN, 2019



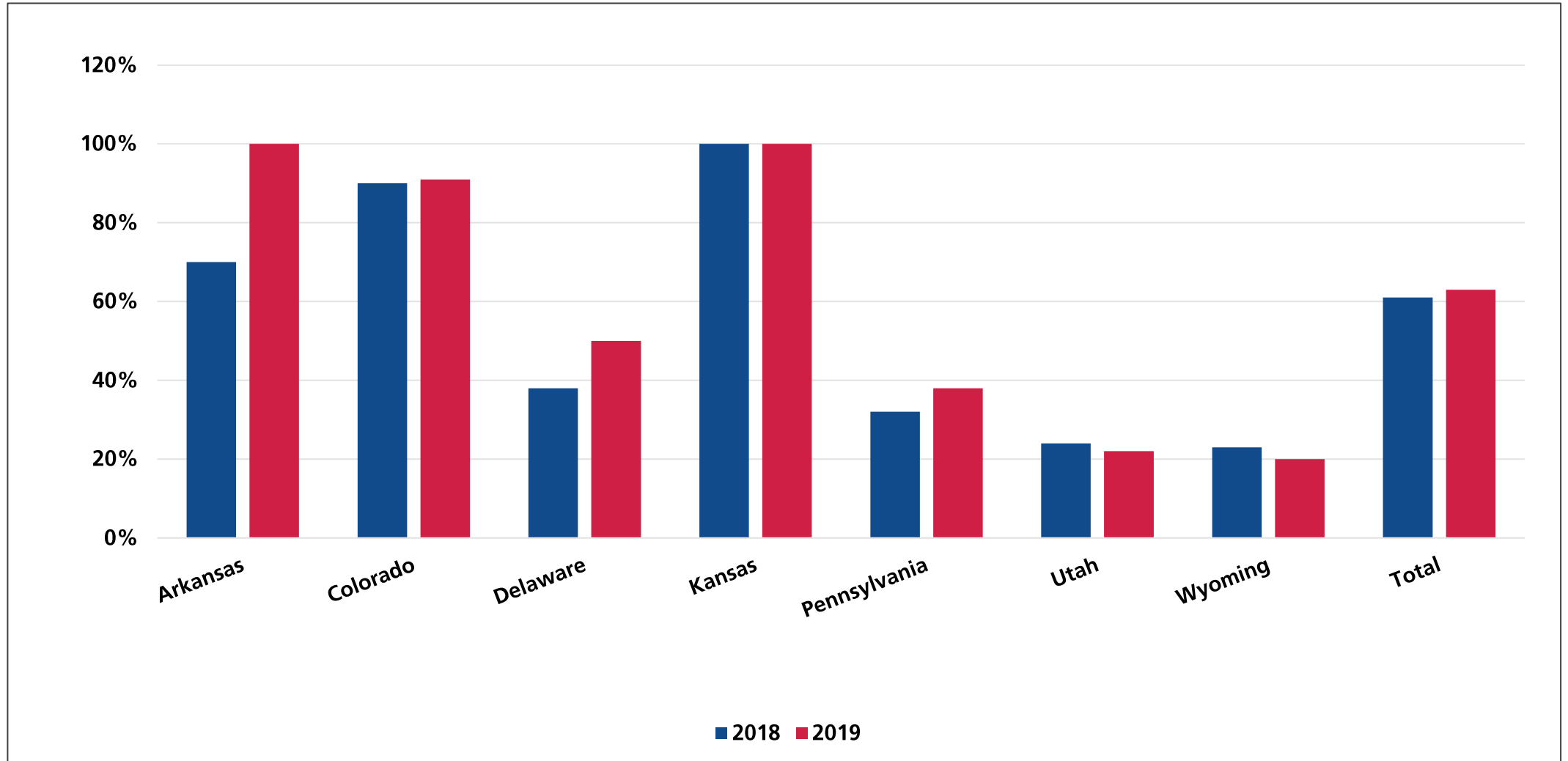


TIN per DWI arrests and per convictions (11 states)





TIN per DWI convictions (7 states)





Conclusions

- > Alcohol ignition interlock programs are essential to decrease the number of alcohol-impaired drivers, crashes, and fatalities.
- > The purpose of this annual data collection is to monitor installations and installation rates compared to arrests and convictions, and to report these findings to help strengthen interlock programs.
- > The 2019 state data shows growth in the use of interlocks, but not according to all indicators.
- > Despite the lack of more complete data due to the pandemic, the preponderance of the evidence continues to show growth in the industry.
- > Results also confirm a relatively low installation rate among all eligible offenders, providing opportunities among states for increased driver compliance strategies.



TIRF Educational programs





GDL Framework Safety Center

Research & free tools to help states and provinces identify gaps in young driver safety strategies.

gdlframework.tirf.ca



Working Group on DWI System Improvements

Education resources available to support the training efforts for agencies working with DWI offenders.

dwiwg.tirf.ca



Alcohol Interlock Curriculum for Practitioners

Training tool educate professionals, advocates & community members about alcohol ignition interlocks.

aic.tirf.ca



Young and New Driver Resource Centre

Research about young driver crashes, strategies to prevent them, & requirements of Graduated Driver Licensing programs.

yndrc.tirf.ca



#MySafeRoadHome blog

Features the latest research to help Canadians understand the risks associated with unsafe driving practices using real-life situations.

tirf.ca/blog



Knowledge Transfer Model

Research is translated and used in the real world to effectively manage and reduce social problems.

tirf.ca/about-tirf/knowledge-transfer





**Please submit your
2020 data!**

Thank you

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