

# 2023 Occupant Protection Use Survey Report

An Observational Study of  
Seat Belt Use in Alaska

Produced for the Alaska Highway Safety Office

By Center for Safe Alaskans

August 2023



**Toward Zero Deaths** Everyone Counts on Alaska's Roadways

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# Abstract

This observational study assessed 2023 driver and front row outboard passenger seat belt use in Alaska. The National Highway Traffic Safety Administration (NHTSA) requires observational surveys to be completed annually in each state to determine the level of seat belt use for each state. In accordance with the NHTSA's Uniform Criteria for State Observational Surveys of Seat Belt Use as published in 2011, Alaska Injury Prevention Center, DBA Center for Safe Alaskans (Safe Alaskans) under a grant from the Alaska Highway Safety Office, conducted seat belt observations for 2023. The 2023 observations took place from June 12 – July 26, 2023 in Anchorage, Juneau, Kenai, Fairbanks North Star Borough, and Matanuska-Susitna Boroughs. Observation sites were selected according to the NHTSA's criteria based on data from the Alaska Fatality Analysis Reporting System and Alaska Department of Transportation & Public Facilities. During the 2023 study period, a total of 62,433 vehicles were observed. Seat belt use was recorded for drivers and front seat outboard passengers in cars, trucks, SUVs, and vans for a total of 74,646 occupants observed (an increase of 15%). Of those observed, 83.6% ( $n = 62,433$ ) were drivers and 16.4% ( $n = 12,213$ ) were passengers (a slight increase in the percentage of drivers). The results of this study indicate **95.18%** of Alaska drivers and passengers were using a seat belt during the study period.

## Introduction

Seat belt use has been identified as an important measure in preventing motor vehicle crash related injuries and fatalities. In June 1984, the Alaska State Legislature passed law AS28.05.095 requiring children under six years old to be restrained in motor vehicles, with children under the age of four years old to be transported in a restraint complying with federal safety standards. In February of 1989, the State Legislature amended the provision to require the use of seat belts by all occupants. Alaska became a primary seat belt law enforcement state in May 2006.

The National Highway Traffic Safety Administration (NHTSA) requires that each state complete annual observational surveys to determine seat belt usage rates. Safe Alaskans has conducted these observational surveys under a grant from AHSO since 2004, except for 2020 when the observation requirement was waived due to the COVID-19 pandemic risks. In April of 2011, the NHTSA published a new Uniform Criteria for State Observational Surveys of Seat Belt Use in the Federal Register, Volume 76, Number 63. The Alaska observation plan as developed by Ron Perkins and Dr. Larry Cook was accepted by the NHTSA as fully compliant with the Uniform Criteria in 2022 and was used for the implementation of the 2023 survey.

## Methods

### Study Design

Five of Alaska's 28 Boroughs were selected for inclusion in this study: Anchorage, Matanuska- Susitna, Kenai Peninsula, Fairbanks North Star, and Juneau. These boroughs accounted for 85% of the motor vehicle fatalities recorded in the state of Alaska. Road segments were classified by functional class as "Arterials," "Collectors," or "Local" roads and then sample sites were selected. Seat belt use was recorded for the drivers and outboard front seat passengers of passenger vehicles under 10,000 pounds that were travelling on the sample segment between the hours of 7:00 a.m. and 6 p.m. Children in child safety seats were excluded from this study. Trained observers observed traffic at each selected site for 45-minute periods.

## Training

In 2023, three new observers were trained to complete the seat belt observations. The other four observers have conducted observations for at least one previous year. A training manual, developed by Ron Perkins and updated by Marcia Howell, was given to each observer along with a detailed work schedule that included the days, times, locations, lanes, and traffic direction to be observed, as well as detailed paper maps for each site observed. Training covered each section of the manual and observers also received training on each of the 4 sections of the App where they would record and submit their observations.

Training also required completing observations with the Project Director at roadway intersections to ensure that each observer understood how to read the maps, determine the direction of traffic to be measured, knew where to perform the observations, and what to observe. Additionally, observers demonstrated required proficiency to conduct and upload the recorded observations through the App on the iPads. Observers were then assigned sites to conduct observations on training day and were observed from a distance to ensure quality control. Observers were also encouraged to call Safe Alaskans with any discrepancies or questions and were given instructions on what to do if a site could not be observed or if traffic was moving too quickly to accurately capture seat belt use.

## Data Collection

In 2018, Safe Alaskans reviewed data collection methods and determined the opportunity existed to utilize improved technology to increase data quality, accuracy, fidelity, and timeliness during OPUS data collection process. Safe Alaskans contracted with IN3 at Purdue University who has demonstrated successful App development for several other States conducting Occupant Protection Use Surveys. In 2023, Safe Alaskans continued using the App on iPads to observe NHTSA-approved site locations across Alaska.

Observers were provided iPads with waterproof cases to easily access the App. This App guided the Observer through 4 sections: 1) Pre-Survey where weather conditions and total number of lanes of traffic are documented. As well as confirmation of location as indicated by the site number, street name, and aerial view map and the direction of traffic flow 2) Survey portion where the observations of driver and passenger seat belt use as well as driver cell phone use are collected 3) Post-Survey where Observers can document any variances such as alternate site due to construction or an accident at original site, and 4) Submission of data by uploading each observation through email embedded in the App at the end of each day.

Each observer recorded seat belt use for 45-minute intervals at three to eight predetermined road segment locations per day between June 12 – July 26, 2022. Random start times were assigned between 7:00 a.m. and 10:00 a.m. and daily observation sites were grouped geographically to facilitate moving from one site to the next.

The observers recorded driver and outboard passenger seat belt use for passenger vehicles under 10,000 pounds travelling in the two right most lanes, where there were two lanes of traffic. If there was only one lane of traffic at the site, the observer recorded seat belts use for just the one lane of traffic. Observations were only recorded for those vehicles traveling under approximately 30 miles per hour to eliminate error. Additionally, observers recorded any comments they felt might be helpful when interpreting the data. Six Quality Control checks were completed during the 2023 survey period.

## Alternate Observation Dates

The initial 2023 Alaska OPUS surveys took place between June 12 – June 21, 2023, however, during the Quality Control reviews, it was found that an Anchorage surveyor had missed a day and a half of work but was able to complete the assigned sites the following week at the same time and same day of the week (Sites 74, 77, 90, 88, 86,

78, 76, 79 and 99, 93, 87, 75). Two additional sites had faulty data or were missed entirely. Site #229 was redone on 7-13-2023 and site #67 on 7-19-2023 (same days and times as originally scheduled).

## Alternate Site Selection

Observers were trained on procedures in case they are unable to observe traffic at the designated location. Observation employees were provided with the following instructions for selecting alternate sites: *In case of construction or some other hazard that makes it unwise or impossible to observe at the specified location, you will go in the “opposite” direction than the traffic you are measuring to find the next available intersection. This will be the traffic that would have been using the original location if it hadn’t been closed.*

## Data Analysis

After each 45-minute observation, data recorded on the App was automatically saved in Comma Separated Value (CSV) format. At the end of daily observations, observers submitted each observation, which was automatically sent to an email embedded in the App. Once all data collection was completed, Excel workbooks were sent to Ron Perkins who then cleaned the dataset and collaborated with Dr. Cook to weight the observations according to the site’s final probability of selection.

In order to weight the observations, the average annual daily traffic volumes for each of the boroughs in the sample were considered and then traffic volumes for each stratum within the borough were calculated. Next, each site’s probability of selection was calculated, and observations then weighted accordingly. Percentages of seatbelt use by borough, vehicle type, and overall seatbelt use were calculated using weighted data. Driver cell phone use was calculated using unweighted data. Ron Perkins analyzed the data using IBM SPSS Statistics. Frequency analyses were conducted for variables such as seat belt use, borough, seating position, and vehicle type. Crosstab analyses were performed to assess the relationship between vehicle type, occupant position, vehicle type, and borough to seat belt use.

# Results

## Seat Belt Use

**Unweighted** frequencies for vehicle type, borough, and seating position are presented in Table 1. A total of 74,646 vehicle occupants were observed. Of those observations, 83.6% ( $n = 62,433$ ) were drivers and 16.4% ( $n = 12,213$ ) were passengers. Of the observed vehicles, 39.7% were SUVs, followed by trucks at 32.9%, cars at 21.1%, then vans at 6.3%. Over half (56.1%) of all vehicles observed were in the Municipality of Anchorage.

**Table 1. Characteristics of 2023 Study Sample ( $N = 62,433$  Vehicles,  $N = 74,646$  occupants)**

	Observed		
<b>Seating Position</b>	<i>n</i>	%	
Driver	62,433	83.6	
Passenger	12,213	16.4	
<b>Vehicle Type</b>	<i>n</i>	%	
Car	13,186	21.1	
SUV	24,772	39.7	
Truck	20,553	32.9	
Van	3,922	6.3	
<b>Borough</b>	<i>n</i>	%	
Anchorage	35,052	56.1	
Fairbanks	10,443	16.7	
Juneau	2,010	3.2	
Kenai	6,462	10.4	
Matanuska Susitna	8,466	13.6	

Figure 1 shows the trend line for the total **weighted** seat belt use rate by year since 2011. It is important to note that study methodologies have changed over the years to comply with NHTSA regulations but seat belt use rates from year to year should be comparable. However, the Covid 19 pandemic in 2020 changed driving behaviors significantly. New sites were selected in 2022 per NHTSA’s National Occupant Protection Usage Surveys protocol. The 2023 weighted seat belt rate for Alaska was **95.18%**. The Standard Error was determined to be **0.61%**, well within the standard error of 1.29% as required by NHTSA guidelines.

Figure 1: Weighted Seat Belt Use Rate (Percent) by year, 2011-2023.

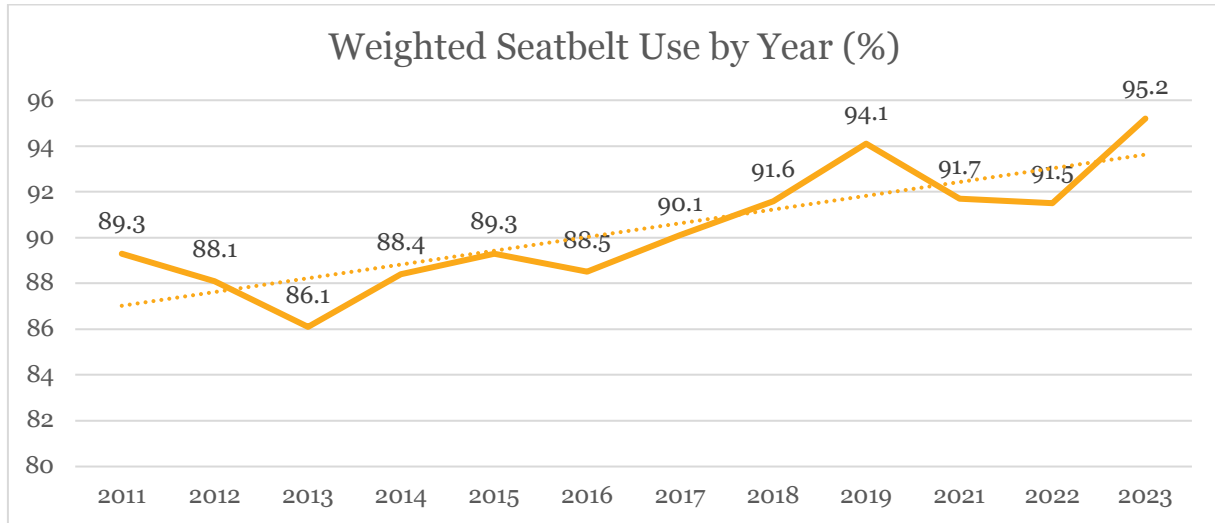


Table 2 displays crosstab results for weighted seat belt use in Alaska by vehicle type between 2016 and 2023. Truck occupants had the lowest percent of observed seat belt use across all six years, while the highest was SUVs.

Table 2. Seat Belt Use Rates in Alaska by Vehicle Type, 2016-2023

	2023	2022	2021	2019	2018	2017	2016
<b>OCCUPANTS</b>	%	%	%	%	%	%	%
<b>CAR</b>	95.0	92.5	92.1	94.4	92.4	91.6	90.6
<b>SUV</b>	96.8	94.9	93.8	95.5	94.7	92.4	91.7
<b>TRUCK</b>	93.1	86.2	88.9	91.6	88.2	86.6	86.3
<b>VAN</b>	95.9	92.7	93.2	95.4	92.0	90.2	88.5

Seat belt use rates by Borough between 2016 and 2023 are shown in Table 3. In 2023, seatbelt use rates increased in Anchorage, Fairbanks, and MatSu, while remaining essentially the same in Juneau and Kenai. The greatest increase from 2022 to 2023 was in Anchorage.

Table 3. Weighted Seat Belt Use Rates for Occupants in Alaska by Region, 2016-2023

	2023	2022	2021	2019	2018	2017	2016
<b>Borough</b>	%	%	%	%	%	%	%
<b>Anchorage</b>	98.3	93.7	94.9	96.5	93.5	90.1	89.4
<b>Fairbanks</b>	94.4	91.4	93.5	91.2	84.9	88.5	89.0
<b>Juneau</b>	96.4	97.6	81.5	84.7	89.4	86.6	86.9
<b>Kenai</b>	85.2	85.9	85.0	96.8	90.6	90.7	81.3
<b>Matanuska Susitna</b>	88.8	85.0	85.1	91.6	97.6	93.4	95.0

Table 4 provides the results for crosstab analyses of weighted observed seat belt use by vehicle type and borough from 2016 to 2023. SUVs in Juneau had the highest usage rate, while the lowest was for Trucks in the Kenai Peninsula Borough.

**Table 4. Weighted Seat Belt Use Rates by Vehicle Type and Borough, 2016-2023**

	2023	2022	2021	2019	2018	2017	2016
<i>Borough</i>	%	%	%	%	%	%	%
<b>Anchorage</b>							
Car	98.3	95.2	96.8	96.3	93.6	91.3	89.9
SUV	98.4	96.4	96.3	97.0	95.5	91.7	91.5
Truck	98.4	88.2	92.0	95.	90.6	86.5	86.8
Van	97.2	92.2	93.5	96.2	92.7	90.4	87.7
<b>Fairbanks</b>							
Car	92.2	90.2	90.7	91.9	86.3	90.7	91.1
SUV	95.9	94.7	94.7	93.2	90.2	92.4	90.5
Truck	93.1	87.5	93.2	87.8	78.2	83.5	85.4
Van	96.1	93.3	97.7	96.7	88.9	86.7	91.6
<b>Juneau</b>							
Car	96.6	99.2	86.8	89.0	88.4	91.1	88.5
SUV	99.4	96.5	85.8	88.1	93.3	91.1	91.0
Truck	93.8	96.7	67.5	74.7	83.8	77.9	81.9
Van	96.9	97.9	86.6	85.0	92.4	80.8	83.0
<b>Kenai</b>							
Car	86.7	87.5	87.0	97.1	91.3	92.0	86.4
SUV	89.5	89.5	87.6	96.9	93.6	93.3	85.0
Truck	80.2	80.3	80.5	96.3	86.8	87.3	75.7
Van	91.8	89.7	91.2	96.8	91.8	92.2	82.8
<b>Matanuska-Susitna</b>							
Car	91.5	87.9	85.0	92.1	98.2	93.7	95.1
SUV	95.3	90.7	87.5	94	98.7	94.7	96.5
Truck	81.8	77.7	82.3	88.9	96.6	91.9	93.5
Van	90.9	89.4	89.5	97.2	97.1	94.0	95.6

## Cell Phone Use

Observers were asked to record driver cell phone use. For the 2023 observation period, cell phone use was defined as a driver holding a phone to their ear while driving, or visibly manipulating a hand-held device while driving. In 2023, **3.6%** of drivers were observed using a cell phone, which is down from 7.2% observed rate in 2022. Driver cell phone use observed during the Alaska OPUS between 2014 and 2023 is shown in Table 5.

**Table 5: Statewide Driver Cell Phone Use, 2014-2023**

		2023	2022	2021	2019	2018	2017	2016	2015	2014
<b>Borough</b>	<b>Cell Phone Use</b>	<b>%</b>								
<b>Anchorage</b>		2.2	7.89							
<b>Fairbanks</b>		4.9	6.55							
<b>Juneau</b>		3.1	13.85							
<b>Kenai Pen.</b>		6.4	5.0							
<b>MatSu</b>		5.6	5.6							
	<b>Statewide</b>	<b>3.6%</b>	7.2%	5.99%	5.20%	6.9%	5.1%	7.4%	3.6%	5.4%

## Summary

The 2023 NOPUS observational study assessed driver and front row outboard passenger seat belt use in Alaska. A total of 62,433 vehicles were observed during the 2023 study period. Seat belt use was recorded for drivers and front seat outboard passengers in cars, trucks, SUVs and vans. There were 74,646 occupants observed, and the results of this study found that **95.2%** of Alaska drivers and passengers were using a seat belt during the study period, with a SE of 0.61%. There were 165 (.2%) of the occupants with Unknown seat belt use. There was a 4% increase in seat belt use in Alaska from 2022 to 2023. Cell phone use was the lowest it's been since 2015 but it could be due to Bluetooth and hands-free usage. An interesting study would be to compare enforcement efforts (citations) with seat belt usage rate changes.

# Appendix A

## APPENDIX TO PART 1340

### STATE SEAT BELT USE SURVEY REPORTING FORM

**PART A:** To be completed by the Governor's Highway Safety Representative (GR) or if applicable, the Coordinator of the State Highway Safety Office.

State: **Alaska**                      Calendar Year of Survey: **2023**

Statewide Seat Belt Use Rate: **95.2%**

I hereby certify that:

- Tammy Kramer has been designated by the Governor as the State's Highway Safety Representative (GR), and if applicable, the GR has delegated the authority to sign the certification in writing to \_\_\_\_\_, the Coordinator of the State Highway Safety Office.
- The reported Statewide seat belt use rate is based on a survey design that was approved by NHTSA, in writing, as conforming to the Uniform Criteria for State Observational Surveys of Seat Belt Use, 23 CFR Part 1340.
- The survey design has remained unchanged since the survey was approved by NHTSA in 2022.
- Dr. Lawrence J Cook, a qualified survey statistician, has reviewed the seat belt use rate reported above and information reported in Part B and has determined that they meet the Uniform Criteria for State Observational Surveys of Seat Belt Use, 23 CFR Part 1340 .

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Tammy Kramer

Printed name of signing official

## Appendix B

Borough	Site type	Site	Road Type	Date Observed	Sample Weight	# of Drivers	# of Passengers	Belted Occupants	Unbelted Occupants	Unk belt use
Anchorage	Primary	1	Original	6/15/2023	1	631	58	681	8	0
Anchorage	Primary	2	Original	6/15/2023	1.3773172	510	123	630	3	0
Anchorage	Primary	3	Original	6/15/2023	1	416	7	417	6	0
Anchorage	Primary	4	Original	6/15/2023	1	472	15	483	1	3
Anchorage	Primary	5	Original	6/15/2023	5.8505097	158	17	175	0	0
Anchorage	Primary	6	Original	6/21/2023	1.1749559	222	32	254	0	0
Anchorage	Primary	7	Original	6/21/2023	6.2376018	116	7	123	0	0
Anchorage	Primary	8	Original	6/21/2023	4.7554179	122	7	129	0	0
Anchorage	Secondary	9	Original	6/12/2023	27.936036	30	3	30	2	1
Anchorage	Secondary	10	Original	6/27/2023	163.2521	8	5	13	0	0
Anchorage	Primary	11	Original	6/12/2023	1	266	43	305	0	4
Anchorage	Primary	12	Original	6/12/2023	2.5135018	150	31	178	1	2
Anchorage	Primary	13	Original	6/12/2023	2.692342	130	27	157	0	0
Anchorage	Primary	14	Original	6/12/2023	4.416312	276	52	322	2	4
Anchorage	Primary	15	Original	6/12/2023	1.5625867	132	26	155	3	0
Anchorage	Primary	16	Original	6/12/2023	4.1956961	321	42	363	0	0
Anchorage	Primary	17	Original	6/12/2023	1	269	48	315	1	1
Anchorage	Primary	18	Original	6/27/2023	1.1506921	305	28	331	2	0
Anchorage	Primary	19	Original	6/27/2023	2.3432983	471	41	504	8	0
Anchorage	Primary	20	Original	6/27/2023	1.7913007	437	29	465	1	0
Anchorage	Primary	21	Original	6/15/2023	1.343555	393	66	456	3	0
Anchorage	Primary	22	Original	6/27/2023	3.5036835	563	64	624	2	1
Anchorage	Primary	23	Original	6/27/2023	1.8439032	736	187	917	6	0
Anchorage	Primary	24	Original	6/15/2023	5.0479604	527	23	542	8	0
Anchorage	Primary	25	Original	6/27/2023	1.8841397	99	8	107	0	0
Anchorage	Primary	26	Original	6/27/2023	1.1470993	401	43	444	0	0
Anchorage	Primary	27	Original	6/15/2023	2.475129	400	16	416	0	0
Anchorage	Primary	28	Original	6/15/2023	6.0392099	345	34	376	1	2
Anchorage	Primary	29	Original	6/15/2023	1	171	18	186	2	1
Anchorage	Primary	30	Original	6/24/2023	1	153	13	166	0	0
Anchorage	Primary	31	Original	6/24/2023	3.6460081	355	89	443	1	0
Anchorage	Primary	32	Original	6/15/2023	3.0018204	315	15	330	0	0
Anchorage	Primary	33	Original	6/24/2023	4.4482033	249	11	260	0	0
Anchorage	Primary	34	Original	6/24/2023	4.526789	206	89	295	0	0
Anchorage	Primary	35	Original	6/26/2023	1	142	4	145	1	0

Anchorage	Primary	36	Original	6/26/2023	45.234053	103	6	109	0	0
Anchorage	Primary	37	Original	6/24/2023	1.537329	348	36	384	0	0
Anchorage	Primary	38	Original	6/15/2023	3.6736016	346	21	367	0	0
Anchorage	Primary	39	Original	6/26/2023	2.1954214	376	23	398	1	0
Anchorage	Primary	40	Original	6/15/2023	4.4287372	433	9	442	0	0
Anchorage	Primary	41	Original	6/26/2023	2.3665968	397	106	500	3	0
Anchorage	Primary	42	Original	6/26/2023	3.5722025	247	38	285	0	0
Anchorage	Primary	43	Original	6/24/2023	140.00021	385	29	413	1	0
Anchorage	Primary	44	Original	6/24/2023	1.3028233	338	179	516	0	1
Anchorage	Primary	45	Original	6/24/2023	2.9132758	120	7	127	0	0
Anchorage	Primary	46	Original	6/20/2023	1	382	10	388	4	0
Anchorage	Primary	47	Original	6/26/2023	4.3418857	172	26	196	2	0
Anchorage	Primary	48	Original	6/20/2023	3.3835861	261	13	274	0	0
Anchorage	Primary	49	Original	6/21/2023	3.682062	161	14	175	0	0
Anchorage	Primary	50	Original	6/20/2023	4.571348	685	85	764	6	0
Anchorage	Primary	51	Original	6/26/2023	1	311	70	380	1	0
Anchorage	Primary	52	Original	6/20/2023	1.7609595	95	8	99	1	3
Anchorage	Primary	53	Original	6/20/2023	3.7515906	802	33	833	2	0
Anchorage	Primary	54	Original	6/21/2023	1	287	43	329	0	1
Anchorage	Primary	55	Original	6/20/2023	3.8587305	466	45	506	0	5
Anchorage	Primary	56	Original	6/21/2023	2.7937185	287	33	314	1	5
Anchorage	Primary	57	Original	6/20/2023	1	525	10	530	4	1
Anchorage	Primary	58	Original	6/20/2023	1.1476862	319	16	333	1	1
Anchorage	Secondary	59	Original	6/26/2023	25.819506	205	23	228	0	0
Anchorage	Secondary	60	Original	6/21/2023	13.545808	19	4	23	0	0
Anchorage	Primary	61	Original	6/29/2023	1.311574	481	25	503	3	0
Anchorage	Primary	62	Original	6/29/2023	7.7338354	395	14	409	0	0
Anchorage	Primary	63	Original	6/29/2023	1	460	35	493	2	0
Anchorage	Primary	64	Original	6/28/2023	2.7785694	314	71	384	1	0
Anchorage	Primary	65	Original	6/29/2023	3.9261579	638	49	681	6	0
Anchorage	Primary	66	Original	6/29/2023	1.6079515	440	38	478	0	0
Anchorage	Primary	67	Original	7/19/2023	2.8692277	359	94	437	14	2
Anchorage	Primary	68	Original	6/29/2023	7.6048756	411	13	423	1	0
Anchorage	Primary	69	Original	6/28/2023	1.4286559	230	40	269	1	0
Anchorage	Primary	70	Original	6/28/2023	1.5454463	549	143	685	7	0
Anchorage	Primary	71	Original	6/29/2023	17.016729	23	0	23	0	0
Anchorage	Primary	72	Original	6/28/2023	2.062338	576	27	602	1	0
Anchorage	Primary	73	Original	6/28/2023	2.9760631	346	14	355	5	0
Anchorage	Primary	74	Original	6/26/2023	2.6394625	431	38	437	32	0
Anchorage	Primary	75	Original	6/27/2023	1.9114117	467	128	569	26	0
Anchorage	Secondary	76	Original	6/26/2023	83.234404	38	9	37	10	0
Anchorage	Primary	77	Original	6/26/2023	6.7368926	302	37	317	22	0
Anchorage	Primary	78	Original	6/26/2023	9.0293202	324	84	326	82	0

Anchorage	Primary	79	Original	6/26/2023	6.2085253	278	90	349	19	0
Anchorage	Primary	80	Original	6/20/2023	7.6267075	381	104	485	0	0
Anchorage	Primary	81	Original	6/28/2023	1.5828542	353	17	369	1	0
Anchorage	Primary	82	Original	6/14/2023	6.4045657	192	44	234	0	2
Anchorage	Primary	83	Original	6/14/2023	1.1401073	421	92	512	1	0
Anchorage	Primary	84	Original	6/20/2023	3.8098693	269	74	340	0	3
Anchorage	Secondary	85	Original	6/28/2023	6.2433651	145	7	152	0	0
Anchorage	Primary	86	Original	6/26/2023	4.1925025	332	82	389	25	0
Anchorage	Primary	87	Original	6/27/2023	2.9917496	483	92	514	61	0
Anchorage	Primary	88	Original	6/26/2023	1.530445	590	189	728	51	0
Anchorage	Primary	89	Original	6/20/2023	2.178563	517	78	588	5	2
Anchorage	Primary	90	Original	6/26/2023	15.338733	167	33	187	13	0
Anchorage	Primary	91	Original	6/14/2023	2.0635365	451	99	550	0	0
Anchorage	Primary	92	Original	6/20/2023	10.925974	163	32	191	1	3
Anchorage	Primary	93	Original	6/27/2023	1	157	30	173	14	0
Anchorage	Primary	94	Original	6/14/2023	1	497	113	609	0	1
Anchorage	Primary	95	Original	6/14/2023	2.3907922	320	58	377	0	1
Anchorage	Secondary	96	Original	6/14/2023	2.1342798	364	68	420	0	12
Anchorage	Primary	97	Original	6/27/2023	1	220	35	255	0	0
Anchorage	Primary	98	Original	6/13/2023	1	177	21	196	0	2
Anchorage	Primary	99	Original	6/27/2023	1	222	53	268	7	0
Anchorage	Secondary	100	Original	6/13/2023	5.9857372	20	15	35	0	0
Anchorage	Local	101	Original	6/14/2023	6.0167062	274	31	303	0	2
Anchorage	Primary	102	Original	6/13/2023	1	179	37	211	2	3
Anchorage	Primary	103	Original	6/13/2023	1.5587548	203	43	244	0	2
Anchorage	Primary	104	Original	6/13/2023	3.5429638	232	54	284	1	1
Anchorage	Primary	105	Original	6/13/2023	1	342	72	410	2	2
Anchorage	Primary	106	Original	6/13/2023	15.136167	338	70	405	2	1
Anchorage	Primary	107	Original	6/12/2023	1	68	15	72	9	2
Anchorage	Primary	108	Original	6/12/2023	1	200	60	226	14	20
Anchorage	Primary	109	Original	6/12/2023	2.3119446	151	34	163	9	13
Anchorage	Primary	110	Original	6/19/2023	1	71	17	88	0	0
Anchorage	Primary	111	Original	6/12/2023	85.284109	112	24	123	5	8
Anchorage	Secondary	112	Original	6/12/2023	13.164033	76	21	92	0	5
Anchorage	Primary	113	Original	6/12/2023	1	77	20	83	8	6
Anchorage	Primary	114	Original	6/17/2023	1	90	16	105	1	0
Anchorage	Primary	115	Original	6/17/2023	327.65579	22	3	25	0	0
Anchorage	Primary	116	Original	6/17/2023	1	308	146	454	0	0
Anchorage	Secondary	117	Original	6/17/2023	16.056224	26	12	38	0	0
Anchorage	Primary	118	Original	6/17/2023	1	35	19	54	0	0
Anchorage	Primary	119	Original	6/17/2023	1	77	35	112	0	0
Anchorage	Primary	120	Original	6/17/2023	1	101	39	139	0	1
Fairbanks	Secondary	121	Original	6/13/2023	36.73982	69	12	73	8	0

Fairbanks	Primary	122	Original	6/13/2023	1.1616361	255	29	268	16	0
Fairbanks	Secondary	123	Original	6/13/2023	12.449333	164	22	169	17	0
Fairbanks	Primary	124	Original	6/13/2023	1.8977162	197	32	206	23	0
Fairbanks	Secondary	125	Original	6/13/2023	9.1131906	98	16	108	6	0
Fairbanks	Primary	126	Original	6/13/2023	1.8878807	320	72	344	48	0
Fairbanks	Secondary	127	Original	6/15/2023	6.3735729	389	37	398	28	0
Fairbanks	Primary	128	Original	6/13/2023	1	221	38	232	27	0
Fairbanks	Primary	129	Original	6/17/2023	14.512461	249	64	288	25	0
Fairbanks	Primary	130	Original	6/17/2023	1	208	23	223	8	0
Fairbanks	Primary	131	Original	6/13/2023	4.7499647	261	54	286	29	0
Fairbanks	Primary	132	Original	6/17/2023	1.7359746	231	61	284	8	0
Fairbanks	Primary	133	Alternate	6/17/2023	1.2270186	239	68	296	11	0
Fairbanks	Primary	134	Original	6/15/2023	2.9345655	248	39	276	11	0
Fairbanks	Secondary	135	Original	6/15/2023	7.7591468	304	41	322	23	0
Fairbanks	Primary	136	Original	6/17/2023	4.1200741	333	60	385	8	0
Fairbanks	Primary	137	Alternate	6/17/2023	68.872959	189	32	207	14	0
Fairbanks	Primary	138	Original	6/15/2023	2.8600618	231	43	265	9	0
Fairbanks	Primary	139	Original	6/14/2023	29.512493	221	39	243	17	0
Fairbanks	Local	140	Original	6/14/2023	58.697444	306	31	319	18	0
Fairbanks	Primary	141	Original	6/15/2023	3.5063318	218	37	244	11	0
Fairbanks	Primary	142	Original	6/15/2023	39.09473	327	44	356	15	0
Fairbanks	Primary	143	Original	6/15/2023	1.8457144	323	58	364	17	0
Fairbanks	Primary	144	Original	6/14/2023	7.6863393	189	32	210	11	0
Fairbanks	Primary	145	Original	6/14/2023	2.2359772	203	29	224	8	0
Fairbanks	Primary	146	Original	6/15/2023	2.2048737	374	52	407	19	0
Fairbanks	Primary	147	Original	6/14/2023	36.941234	254	44	279	19	0
Fairbanks	Primary	148	Original	6/16/2023	5.1837377	334	63	385	12	0
Fairbanks	Primary	149	Original	6/16/2023	52.118463	361	52	392	21	0
Fairbanks	Primary	150	Original	6/16/2023	7.5789056	160	20	173	7	0
Fairbanks	Primary	151	Original	6/16/2023	3.8526485	241	46	267	20	0
Fairbanks	Primary	152	Original	6/19/2023	2.2809607	354	57	383	28	0
Fairbanks	Primary	153	Original	6/16/2023	4.5735953	284	54	327	11	0
Fairbanks	Secondary	154	Original	6/19/2023	48.547295	183	27	200	10	0
Fairbanks	Secondary	155	Original	6/14/2023	7.9790887	211	45	239	17	0
Fairbanks	Secondary	156	Original	6/14/2023	41.145808	150	22	165	7	0
Fairbanks	Secondary	157	Original	6/19/2023	16.949605	77	11	82	6	0
Fairbanks	Secondary	158	Original	6/17/2023	11.253619	270	79	322	27	0
Fairbanks	Secondary	159	Original	6/19/2023	3.6860175	253	45	283	15	0
Fairbanks	Secondary	160	Original	6/15/2023	7.6152073	82	16	91	7	0
Fairbanks	Primary	161	Original	6/15/2023	1.2484895	317	56	358	15	0
Fairbanks	Secondary	162	Original	6/14/2023	16.45929	313	65	361	17	0
Fairbanks	Secondary	163	Original	6/17/2023	7.6965187	232	57	265	24	0
Juneau	Primary	164	Original	6/15/2023	8.0147505	216	59	269	6	0

Juneau	Primary	165	Original	6/15/2023	5.7207237	215	47	253	4	5
Juneau	Primary	166	Original	6/15/2023	1.5918425	255	49	295	2	7
Juneau	Primary	167	Original	6/15/2023	1.4005754	163	33	182	9	5
Juneau	Primary	168	Original	6/16/2023	1.7177052	249	67	312	3	1
Juneau	Local	169	Original	6/15/2023	12.035525	72	10	77	5	0
Juneau	Secondary	170	Original	6/16/2023	119.28229	260	36	283	11	2
Juneau	Primary	171	Original	6/16/2023	2.9110772	232	45	263	12	2
Juneau	Primary	172	Original	6/16/2023	7.5216503	212	45	242	15	0
Juneau	Secondary	173	Original	6/16/2023	3.1544229	47	7	53	1	0
Juneau	Secondary	174	Original	6/16/2023	17.041665	89	37	117	2	7
Kenai Pen	Secondary	175	Original	6/7/2023	7652469	42	7	39	10	0
Kenai Pen	Primary	176	Original	6/9/2023	4.5834913	173	42	188	27	0
Kenai Pen	Secondary	177	Original	6/9/2023	2.8811048	84	17	77	24	0
Kenai Pen	Primary	178	Original	6/9/2023	1.4911453	290	104	342	52	0
Kenai Pen	Primary	179	Original	6/9/2023	1.2598065	52	26	65	13	0
Kenai Pen	Primary	180	Original	6/9/2023	4.6796234	16	15	21	10	0
Kenai Pen	Primary	181	Original	6/9/2023	2.0985501	123	34	133	24	0
Kenai Pen	Primary	182	Original	6/8/2023	1.482923	43	8	42	9	0
Kenai Pen	Primary	183	Original	6/13/2023	3.4376631	359	133	445	47	0
Kenai Pen	Primary	184	Original	6/7/2023	1.6720512	383	93	395	80	1
Kenai Pen	Primary	185	Original	6/7/2023	2.325789	156	38	158	36	0
Kenai Pen	Primary	186	Original	6/12/2023	1.4764276	96	56	129	23	0
Kenai Pen	Local	187	Original	6/8/2023	95.905702	42	12	40	14	0
Kenai Pen	Primary	188	Original	6/7/2023	2.0696195	219	76	241	54	0
Kenai Pen	Primary	189	Original	6/7/2023	2.066525	347	93	388	52	0
Kenai Pen	Primary	190	Original	6/7/2023	1.3378089	294	81	337	38	0
Kenai Pen	Primary	191	Original	6/7/2023	1.8663003	348	88	383	53	0
Kenai Pen	Primary	192	Original	6/13/2023	1.8171183	396	113	439	70	0
Kenai Pen	Primary	193	Original	6/13/2023	1.2843297	345	109	390	64	0
Kenai Pen	Primary	194	Original	6/12/2023	1.7809777	33	21	45	9	0
Kenai Pen	Secondary	195	Original	6/13/2023	14.674842	82	19	81	20	0
Kenai Pen	Primary	196	Original	6/12/2023	1.6424759	134	78	177	35	0
Kenai Pen	Secondary	197	Original	6/7/2023	2.3724241	91	32	101	22	0
Kenai Pen	Primary	198	Original	6/13/2023	1.6937173	264	71	296	39	0
Kenai Pen	Primary	199	Original	6/8/2023	1.8849502	180	26	182	24	0
Kenai Pen	Primary	200	Original	6/13/2023	1	12	8	17	3	0
Kenai Pen	Secondary	201	Original	6/13/2023	63.005977	15	3	16	2	0
Kenai Pen	Primary	202	Original	6/8/2023	2.0852011	242	53	269	26	0
Kenai Pen	Primary	203	Original	6/13/2023	1.0883394	329	96	368	57	0
Kenai Pen	Primary	204	Original	6/8/2023	3.1000175	321	96	381	36	0
Kenai Pen	Primary	205	Original	6/8/2023	1.3084568	253	75	300	28	0
Kenai Pen	Primary	206	Original	6/12/2023	1.3155118	158	90	213	35	0
Kenai Pen	Primary	207	Original	6/12/2023	1.0453364	160	87	216	31	0

Kenai Pen	Secondary	208	Original	6/8/2023	16.575801	273	65	309	29	0
Kenai Pen	Primary	209	Original	6/12/2023	1	107	63	148	22	0
Matanuska	Local	210	Original	6/15/2023	2.6101255	63	16	72	7	0
Matanuska	Primary	211	Original	6/16/2023	1	52	4	49	7	0
Matanuska	Secondary	212	Original	6/19/2023	8.119983	23	8	28	3	0
Matanuska	Secondary	213	Original	6/15/2023	31.081796	56	12	58	10	0
Matanuska	Primary	214	Original	6/19/2023	4.5067129	73	15	83	5	0
Matanuska	Primary	215	Original	6/16/2023	1.4200001	425	138	506	57	0
Matanuska	Primary	216	Original	6/16/2023	1.6068945	184	44	214	14	0
Matanuska	Secondary	217	Original	6/13/2023	9.4069773	71	23	83	11	0
Matanuska	Primary	218	Original	6/13/2023	31.403361	158	36	168	26	0
Matanuska	Primary	219	Original	6/19/2023	1	343	153	445	51	0
Matanuska	Primary	220	Original	6/16/2023	1	419	160	514	65	0
Matanuska	Primary	221	Original	6/23/2023	1	501	189	605	85	0
Matanuska	Primary	222	Alternate	6/13/2023	55.312609	124	33	139	18	0
Matanuska	Primary	223	Original	6/23/2023	1.8879793	379	106	419	66	0
Matanuska	Primary	224	Original	6/16/2023	1.764837	481	121	548	54	0
Matanuska	Secondary	225	Original	6/13/2023	19.467692	39	16	49	6	0
Matanuska	Primary	226	Original	6/21/2023	1	481	167	563	85	0
Matanuska	Primary	227	Original	6/19/2023	1.6117283	361	126	424	63	0
Matanuska	Primary	228	Original	6/19/2023	1	350	130	423	57	0
Matanuska	Primary	229	Original	7/13/2023	1	92	23	92	20	3
Matanuska	Secondary	230	Original	6/15/2023	72.611057	28	9	35	2	0
Matanuska	Primary	231	Original	6/14/2023	3.7685279	363	100	389	74	0
Matanuska	Primary	232	Original	6/13/2023	3.6644127	390	115	458	47	0
Matanuska	Primary	233	Original	6/13/2023	3.9641601	144	32	166	10	0
Matanuska	Primary	234	Original	6/14/2023	5.425176	235	71	272	33	1
Matanuska	Secondary	235	Original	6/19/2023	9.7624401	19	5	22	2	0
Matanuska	Primary	236	Original	6/15/2023	5.7908142	170	51	205	16	0
Matanuska	Primary	237	Original	6/14/2023	6.2314689	271	84	327	28	0
Matanuska	Primary	238	Original	6/15/2023	2.6779279	213	71	254	30	0
Matanuska	Primary	239	Original	6/14/2023	4.7820774	108	28	118	18	0
Matanuska	Primary	240	Original	6/13/2023	1.9916241	146	19	141	24	0
Matanuska	Primary	241	Original	6/14/2023	2.9695284	294	69	303	60	0
Matanuska	Primary	242	Original	6/13/2023	5.8584667	254	46	263	37	0
Matanuska	Secondary	243	Original	6/19/2023	10.609796	12	2	12	2	0
Matanuska	Primary	244	Original	6/14/2023	4.0784566	99	23	108	14	0
Matanuska	Secondary	245	Original	6/15/2023	3.1149578	138	48	163	23	0
Matanuska	Primary	246	Original	6/19/2023	1	358	132	425	65	0
Matanuska	Primary	247	Original	6/17/2023	1.0639447	46	22	64	4	0
Matanuska	Primary	248	Original	6/15/2023	1.3265107	113	29	135	7	0
Matanuska	Secondary	249	Original	6/14/2023	2.381824	3	1	4	0	0
Matanuska	Primary	250	Original	6/17/2023	1	28	13	40	1	0

Matanuska	Primary	251	Original	6/14/2023	1.3106596	47	8	49	6	0
Matanuska	Primary	252	Original	6/17/2023	3.9717022	63	25	77	11	0
Matanuska	Primary	253	Original	6/17/2023	1.794582	4	1	3	1	1
Matanuska	Secondary	254	Original	6/17/2023	4.7965616	106	68	157	17	0
Matanuska	Primary	255	Original	6/17/2023	1.7997677	27	7	34	0	0
Matanuska	Primary	256	Original	6/17/2023	1.9646027	112	66	171	7	0
						62433	12213	70793	3688	165

Standard Error of Statewide Belt Use Rate .61%

*Standard error may not exceed 1.29%*

Nonresponse rate for the survey variable seat belt use .2%

*Nonresponse rate as provided in § 1340.9(f)*