

2022 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

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Toward Zero Deaths Everyone Counts on Alaska's Roadways

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Table of Contents

- Abstract 2
- Introduction 2
- Methods 2
 - Study Design 2
 - Training3
 - Data Collection.....3
 - Alternate Observation Dates..... 4
 - Alternate Site Selection 4
 - Data Analysis..... 4
- Results5
 - Seat Belt Use5
 - Cell Phone Use7
- Summary 8
- Appendix A 9
- Appendix B..... 10

Abstract

This observational study assessed 2022 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 2022. The initial 2022 observations took place from June 9 – July 2, 2022, in Anchorage, Juneau, Kenai, Fairbanks North Star Borough, and Matanuska-Susitna Boroughs¹. 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 2022 study period, a total of 52,916 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 64,924 occupants observed. Of those observed, 81.5% ($n = 52,916$) were drivers and 18.5% ($n = 12,008$) were passengers. The results of this study indicate **91.5%** 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 2022 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

¹ Careful review of the Anchorage sites 1-60 observations showed observation protocol breaches that warranted having all sites in that group re-observed. Breaches included conducting observations in the evening, ending one observation, and starting the next with no time gap for transportation between locations. These protocol breaches were discoverable because we use iPads to collect data, and observations are time stamped for each site. The second round of observations occurred between September 9 and 19.

“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 2022, six observers were hired and trained to complete the seat belt observations.² 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 2022, 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 9 – July 2, 2022.³ 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.

² One observer’s data were not included due to observation protocol breaches. One of the other 5 observers redid the observations for Anchorage sites 1-60.

³ As already noted, careful review of the Anchorage sites 1-60 observations showed observation protocol breaches that warranted having all sites in that group re-observed. Breaches included conducting observations in the evening, ending one observation, and starting the next with no time gap for transportation between locations. These protocol breaches were discoverable because we use iPads to collect data, and observations are time stamped for each site. The second round of observations occurred between September 9 and 19.

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.

Alternate Observation Dates

The initial 2022 Alaska OPUS surveys took place between June 9 – July 2, 2022, however, during the Quality Control reviews, it was found that one surveyor had falsely reported times and numbers on their surveys. It was decided that the surveys would be redone on the correct days of the week and times on day that were set out in the original survey plan. This survey, for Anchorage sites 1-60 was completed between 9/9/--9/19/2022.

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.*

Numerous road construction projects across Alaska slowed down traffic at a few sites and caused alternate sites to be used for Sites # 133, 137, and 222. The alternate sites were noted in the surveys and found to be appropriate by the reviewer.

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 64,924 vehicle occupants were observed. Of those observations, 81.5% ($n = 52,916$) were drivers and 18.5% ($n = 12,008$) were passengers. Of the observed vehicles, 40.2% were SUVs, followed by trucks at 30.3%, cars at 22.7%, then vans at 6.8%. Over half (51.8%) of all vehicles observed were in the Municipality of Anchorage.

Table 1. Characteristics of 2022 Study Sample ($N = 52,916$ Vehicles, $N = 64,924$ occupants)

	Observed		
Seating Position	<i>n</i>	%	
Driver	52,916	81.5	
Passenger	12,008	18.5	
Vehicle Type	<i>n</i>	%	
Car	11,997	22.7	
SUV	21,277	40.2	
Truck	16,033	30.3	
Van	3,609	6.8	
Borough	<i>n</i>	%	
Anchorage	27,406	51.8	
Fairbanks	9,686	18.3	
Juneau	1,804	3.4	
Kenai	6,416	12.1	
Matanuska Susitna	7,604	14.4	

Figure 1 shows the trend line for the total weighted seat belt use rate by year since 2008. 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 2022 weighted seat belt rate for Alaska was **91.52%**. The Standard Error was determined to be **0.54%**, well within the standard error of 1.29% as required by NHTSA guidelines.

Figure 1: Weighted Seat Belt Use Rate (Percent) by year, 2008-2022.

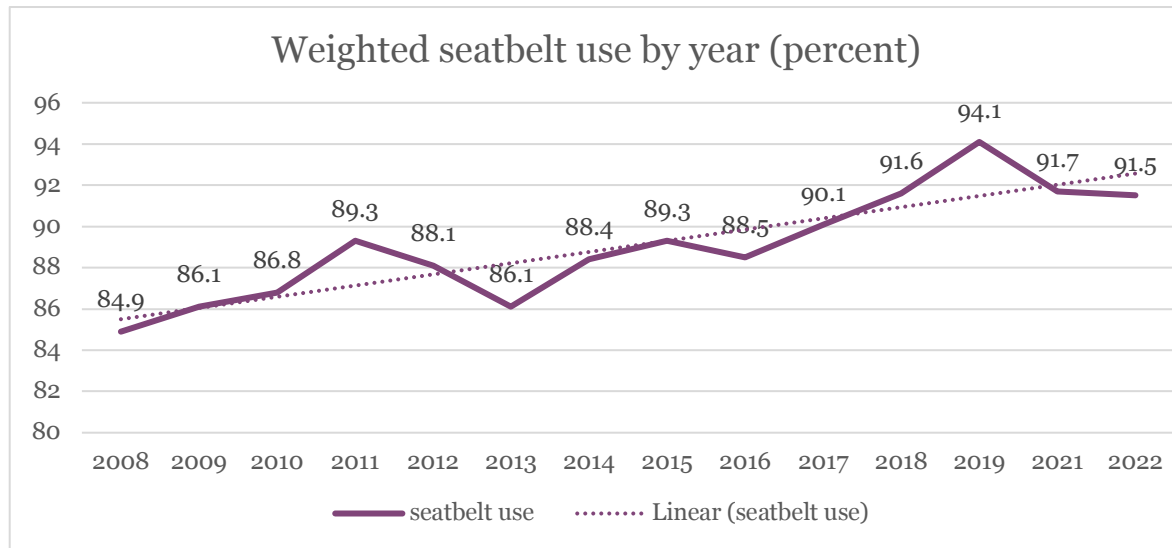


Table 2 displays crosstab results for weighted seat belt use in Alaska by vehicle type between 2016 and 2022. Truck occupants had the lowest percent of observed seat belt use across all six years, while the highest was SUVs.

Table 2. Seat Belt Use Rates in Alaska by Vehicle Type, 2016-2022

	2022	2021	2019	2018	2016	2016
OCCUPANTS	%	%	%	%	%	%
CAR	92.5	92.1	94.4	92.4	91.6	90.6
SUV	94.9	93.8	95.5	94.7	92.4	91.7
TRUCK	86.2	88.9	91.6	88.2	86.6	86.3
VAN	92.7	93.2	95.4	92.0	90.2	88.5

Seat belt use rates by Borough between 2016 and 2022 are shown in Table 3. In 2022, seatbelt use rates increased in Juneau and Kenai, while decreasing in the other three boroughs. The greatest decline from 2021 to 2022 was in Fairbanks.

Table 3. Weighted Seat Belt Use Rates for Occupants in Alaska by Region, 2016-2022

	2022	2021	2019	2018	2017	2016
Borough	%	%	%	%	%	%
Anchorage	93.7	94.9	96.5	93.5	90.1	89.4
Fairbanks	91.4	93.5	91.2	84.9	88.5	89.0
Juneau	97.6	81.5	84.7	89.4	86.6	86.9
Kenai	85.9	85.0	96.8	90.6	90.7	81.3
Matanuska Susitna	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 2022. Cars in Juneau had the highest usage rate, while the lowest was in Trucks in the Matanuska-Susitna Borough.

Table 4. Weighted Seat Belt Use Rates by Vehicle Type and Borough, 2016-2022

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

2022, 7.2% of drivers were observed using a cell phone, which is up from 5.99% observed rate in 2021. Driver cell phone use observed during the Alaska OPUS between 2013 and 2022 is shown in Table 5.

Table 5: Statewide Driver Cell Phone Use, 2013-2022

Borough	Cell Phone Use 2022	2022	2021	2019	2018	2017	2016	2015	2014	2013
Anchorage	7.89%									
Fairbanks	6.55%									
Juneau	13.85%									
Kenai Pen.	5.0%									
MatSu	5.6%									
Statewide		7.2%	5.99%	5.20%	6.9%	5.1%	7.4%	3.6%	5.4%	7.0%

Summary

The 2022 NOPUS observational study assessed driver and front row outboard passenger seat belt use in Alaska. A total of 52,916 vehicles were observed during the 2022 study period. Seat belt use was recorded for drivers and front seat outboard passengers in cars, trucks, SUVs and vans. There were 64,924 occupants observed, and the results of this study found that **91.52%** of Alaska drivers and passengers were using a seat belt during the study period.

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: **2022**

Statewide Seat Belt Use Rate: **91.5%**

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	9/9/2022	1	121	35	149	7	0
Anchorage	Primary	2	Original	9/9/2022	1.3773172	29	25	54	0	0
Anchorage	Primary	3	Original	9/9/2022	1	41	13	54	0	0
Anchorage	Primary	4	Original	9/9/2022	1	183	23	197	9	0
Anchorage	Primary	5	Original	9/9/2022	5.8505097	92	26	116	2	0
Anchorage	Primary	6	Original	9/14/2022	1.1749559	254	51	280	25	0
Anchorage	Primary	7	Original	9/14/2022	6.2376018	454	70	495	29	0
Anchorage	Primary	8	Original	9/14/2022	4.7554179	223	46	253	16	0
Anchorage	Secondary	9	Original	9/19/2022	27.936036	75	8	81	2	0
Anchorage	Secondary	10	Original	9/9/2022	163.2521	41	7	43	5	0
Anchorage	Primary	11	Original	9/19/2022	1	136	26	161	1	0
Anchorage	Primary	12	Original	9/19/2022	2.5135018	45	7	48	4	0
Anchorage	Primary	13	Original	9/19/2022	2.692342	75	4	68	11	0
Anchorage	Primary	14	Original	9/19/2022	4.416312	241	28	266	3	0
Anchorage	Primary	15	Original	9/19/2022	1.5625867	95	23	107	11	0
Anchorage	Primary	16	Original	9/19/2022	4.1956961	197	26	192	31	0
Anchorage	Primary	17	Original	9/19/2022	1	268	45	307	6	0
Anchorage	Primary	18	Original	9/13/2022	1.1506921	255	44	282	17	0
Anchorage	Primary	19	Original	9/13/2022	2.3432983	366	49	404	11	0
Anchorage	Primary	20	Original	9/13/2022	1.7913007	412	75	482	5	0
Anchorage	Primary	21	Original	9/15/2022	1.343555	353	79	424	8	0
Anchorage	Primary	22	Original	9/13/2022	3.5036835	522	101	607	16	0
Anchorage	Primary	23	Original	9/13/2022	1.8439032	699	140	823	16	0
Anchorage	Primary	24	Original	9/15/2022	5.0479604	332	60	385	7	0
Anchorage	Primary	25	Original	9/13/2022	1.8841397	310	61	351	20	0
Anchorage	Primary	26	Original	9/13/2022	1.1470993	78	17	94	1	0
Anchorage	Primary	27	Original	9/8/2022	2.475129	461	62	516	7	0
Anchorage	Primary	28	Original	9/15/2022	6.0392099	334	30	352	12	0
Anchorage	Primary	29	Original	9/15/2022	1	345	80	415	10	0
Anchorage	Primary	30	Original	9/17/2022	1	165	61	211	15	0
Anchorage	Primary	31	Original	9/3/2022	3.6460081	259	105	354	10	0
Anchorage	Primary	32	Original	9/15/2022	3.0018204	299	33	321	11	0
Anchorage	Primary	33	Original	9/3/2022	4.4482033	56	17	71	2	0

Anchorage	Primary	34	Original	9/3/2022	4.526789	213	50	258	5	0
Anchorage	Primary	35	Original	9/12/2022	1	268	44	305	7	0
Anchorage	Primary	36	Original	9/12/2022	45.234053	188	35	207	16	0
Anchorage	Primary	37	Original	9/3/2022	1.537329	271	58	327	2	0
Anchorage	Primary	38	Original	9/8/2022	3.6736016	187	17	195	9	0
Anchorage	Primary	39	Original	9/12/2022	2.1954214	222	23	240	5	0
Anchorage	Primary	40	Original	9/15/2022	4.4287372	153	13	157	9	0
Anchorage	Primary	41	Original	9/12/2022	2.3665968	403	61	461	3	0
Anchorage	Primary	42	Original	9/12/2022	3.5722025	190	19	188	21	0
Anchorage	Primary	43	Original	9/17/2022	140.00021	215	55	252	18	0
Anchorage	Primary	44	Original	9/3/2022	1.3028233	317	69	360	26	0
Anchorage	Primary	45	Original	9/3/2022	2.9132758	128	22	146	4	0
Anchorage	Primary	46	Original	9/6/2022	1	181	41	197	25	0
Anchorage	Primary	47	Original	9/12/2022	4.3418857	222	37	245	14	0
Anchorage	Primary	48	Original	9/6/2022	3.3835861	352	52	382	22	0
Anchorage	Primary	49	Original	9/14/2022	3.682062	148	30	163	15	0
Anchorage	Primary	50	Original	9/6/2022	4.571348	426	93	488	31	0
Anchorage	Primary	51	Original	9/12/2022	1	364	69	425	8	0
Anchorage	Primary	52	Original	9/6/2022	1.7609595	89	15	98	6	0
Anchorage	Primary	53	Original	9/6/2022	3.7515906	441	86	494	33	0
Anchorage	Primary	54	Original	9/14/2022	1	338	53	367	24	0
Anchorage	Primary	55	Original	9/6/2022	3.8587305	500	85	564	21	0
Anchorage	Primary	56	Original	9/14/2022	2.7937185	293	58	324	27	0
Anchorage	Primary	57	Original	9/6/2022	1	424	49	462	11	0
Anchorage	Primary	58	Original	9/6/2022	1.1476862	431	49	454	26	0
Anchorage	Secondary	59	Original	9/12/2022	25.819506	134	21	152	3	0
Anchorage	Secondary	60	Original	9/14/2022	13.545808	180	33	190	23	0
Anchorage	Primary	61	Original	6/23/2022	1.311574	349	62	390	21	0
Anchorage	Primary	62	Original	6/23/2022	7.7338354	27	7	34	0	0
Anchorage	Primary	63	Original	6/23/2022	1	442	91	514	19	0
Anchorage	Primary	64	Original	6/15/2022	2.7785694	270	72	315	27	0
Anchorage	Primary	65	Original	6/23/2022	3.9261579	325	84	397	12	0
Anchorage	Primary	66	Original	6/23/2022	1.6079515	397	63	442	18	0
Anchorage	Primary	67	Original	6/15/2022	2.8692277	294	56	323	27	0
Anchorage	Primary	68	Original	6/23/2022	7.6048756	240	29	248	21	0
Anchorage	Primary	69	Original	6/29/2022	1.4286559	521	43	560	4	0
Anchorage	Primary	70	Original	6/23/2022	1.5454463	366	61	398	29	0
Anchorage	Primary	71	Original	6/16/2022	17.016729	20	2	17	5	0
Anchorage	Primary	72	Original	6/15/2022	2.062338	265	47	293	19	0
Anchorage	Primary	73	Original	6/15/2022	2.9760631	298	54	305	47	0
Anchorage	Primary	74	Original	6/13/2022	2.6394625	298	31	326	3	0
Anchorage	Primary	75	Original	6/28/2022	1.9114117	396	66	442	20	0
Anchorage	Secondary	76	Original	6/27/2022	83.234404	38	8	41	5	0

Anchorage	Primary	77	Original	6/13/2022	6.7368926	273	54	299	28	0
Anchorage	Primary	78	Original	6/13/2022	9.0293202	167	37	186	18	0
Anchorage	Primary	79	Original	6/27/2022	6.2085253	409	83	459	33	0
Anchorage	Primary	80	Original	6/14/2022	7.6267075	196	46	224	18	0
Anchorage	Primary	81	Original	6/15/2022	1.5828542	283	84	328	39	0
Anchorage	Primary	82	Original	6/29/2022	6.4045657	197	49	243	3	0
Anchorage	Primary	83	Original	6/29/2022	1.1401073	389	95	442	42	0
Anchorage	Primary	84	Original	6/14/2022	3.8098693	239	67	281	25	0
Anchorage	Secondary	85	Original	6/15/2022	6.2433651	148	42	172	18	0
Anchorage	Primary	86	Original	6/13/2022	4.1925025	249	65	295	19	0
Anchorage	Primary	87	Original	6/28/2022	2.9917496	542	140	629	53	0
Anchorage	Primary	88	Original	6/13/2022	1.530445	349	89	430	8	0
Anchorage	Primary	89	Original	6/14/2022	2.178563	394	98	481	11	0
Anchorage	Primary	90	Original	6/13/2022	15.338733	97	30	119	8	0
Anchorage	Primary	91	Original	6/29/2022	2.0635365	469	88	533	24	0
Anchorage	Primary	92	Original	6/14/2022	10.925974	120	27	127	20	0
Anchorage	Primary	93	Original	6/28/2022	1	178	42	197	23	0
Anchorage	Primary	94	Original	6/29/2022	1	256	111	353	14	0
Anchorage	Primary	95	Original	6/29/2022	2.3907922	179	27	201	5	0
Anchorage	Secondary	96	Original	6/22/2022	2.1342798	263	51	307	7	0
Anchorage	Primary	97	Original	6/29/2022	1	199	33	218	14	0
Anchorage	Primary	98	Original	6/21/2022	1	78	11	87	2	0
Anchorage	Primary	99	Original	6/28/2022	1	199	34	223	10	0
Anchorage	Secondary	100	Original	6/21/2022	5.9857372	5	2	7	0	0
Anchorage	Local	101	Original	6/22/2022	6.0167062	62	7	64	5	0
Anchorage	Primary	102	Original	6/21/2022	1	194	45	229	10	0
Anchorage	Primary	103	Original	6/21/2022	1.5587548	163	51	206	8	0
Anchorage	Primary	104	Original	6/21/2022	3.5429638	147	36	170	13	0
Anchorage	Primary	105	Original	6/21/2022	1	316	69	349	36	0
Anchorage	Primary	106	Original	6/21/2022	15.136167	269	50	282	37	0
Anchorage	Primary	107	Original	6/20/2022	1	67	14	78	3	0
Anchorage	Primary	108	Original	6/20/2022	1	158	36	181	13	0
Anchorage	Primary	109	Original	6/20/2022	2.3119446	118	33	140	11	0
Anchorage	Primary	110	Original	6/20/2022	1	20	8	25	3	0
Anchorage	Primary	111	Original	6/20/2022	85.284109	80	26	100	6	0
Anchorage	Secondary	112	Original	6/20/2022	13.164033	60	13	64	9	0
Anchorage	Primary	113	Original	6/20/2022	1	59	18	63	14	0
Anchorage	Primary	114	Original	6/18/2022	1	37	8	43	2	0
Anchorage	Primary	115	Original	6/18/2022	327.65579	3	1	4	0	0
Anchorage	Primary	116	Original	6/18/2022	1	10	7	15	2	0
Anchorage	Secondary	117	Original	6/18/2022	16.056224	15	9	21	3	0
Anchorage	Primary	118	Original	6/25/2022	1	16	10	22	4	0
Anchorage	Primary	119	Original	6/25/2022	1	21	9	29	1	0

Anchorage	Primary	120	Original	6/21/2022	1	73	33	92	14	0
Fairbanks	Secondary	121	Original	6/21/2022	36.73982	56	14	58	12	0
Fairbanks	Primary	122	Original	6/21/2022	1.1616361	190	35	207	18	0
Fairbanks	Secondary	123	Original	6/21/2022	12.449333	204	36	218	22	0
Fairbanks	Primary	124	Original	6/21/2022	1.8977162	285	93	344	34	0
Fairbanks	Secondary	125	Original	6/21/2022	9.1131906	101	19	115	5	0
Fairbanks	Primary	126	Original	6/21/2022	1.8878807	285	53	314	24	0
Fairbanks	Secondary	127	Original	6/23/2022	6.3735729	172	15	173	14	0
Fairbanks	Primary	128	Original	6/21/2022	1	190	26	204	12	0
Fairbanks	Primary	129	Original	6/25/2022	14.512461	185	36	202	19	0
Fairbanks	Primary	130	Original	6/25/2022	1	230	30	243	17	0
Fairbanks	Primary	131	Original	6/21/2022	4.7499647	156	26	170	12	0
Fairbanks	Primary	132	Original	6/25/2022	1.7359746	384	133	463	54	0
Fairbanks	Primary	133	Alternate	6/25/2022	1.2270186	326	112	372	66	0
Fairbanks	Primary	134	Original	6/23/2022	2.9345655	144	14	152	6	0
Fairbanks	Secondary	135	Original	6/23/2022	7.7591468	313	44	330	27	0
Fairbanks	Primary	136	Original	6/25/2022	4.1200741	321	90	371	40	0
Fairbanks	Primary	137	Alternate	6/25/2022	68.872959	185	42	203	24	0
Fairbanks	Primary	138	Original	6/23/2022	2.8600618	193	24	205	12	0
Fairbanks	Primary	139	Original	6/22/2022	29.512493	350	59	374	35	0
Fairbanks	Local	140	Original	6/22/2022	58.697444	182	17	187	12	0
Fairbanks	Primary	141	Original	6/23/2022	3.5063318	162	38	191	9	0
Fairbanks	Primary	142	Original	6/23/2022	39.09473	385	65	426	24	0
Fairbanks	Primary	143	Original	6/23/2022	1.8457144	358	77	423	12	0
Fairbanks	Primary	144	Original	6/22/2022	7.6863393	179	28	200	7	0
Fairbanks	Primary	145	Original	6/22/2022	2.2359772	314	71	357	28	0
Fairbanks	Primary	146	Original	6/23/2022	2.2048737	361	60	411	10	0
Fairbanks	Primary	147	Original	6/22/2022	36.941234	243	42	249	36	0
Fairbanks	Primary	148	Original	6/24/2022	5.1837377	187	38	215	10	0
Fairbanks	Primary	149	Original	6/24/2022	52.118463	273	58	308	23	0
Fairbanks	Primary	150	Original	6/24/2022	7.5789056	185	54	224	15	0
Fairbanks	Primary	151	Original	6/24/2022	3.8526485	262	56	282	36	0
Fairbanks	Primary	152	Original	6/27/2022	2.2809607	147	25	154	18	0
Fairbanks	Primary	153	Original	6/24/2022	4.5735953	212	62	268	6	0
Fairbanks	Secondary	154	Original	6/27/2022	48.547295	222	20	207	35	0
Fairbanks	Secondary	155	Original	6/22/2022	7.9790887	167	23	180	10	0
Fairbanks	Secondary	156	Original	6/22/2022	41.145808	125	26	141	10	0
Fairbanks	Secondary	157	Original	6/27/2022	16.949605	65	6	65	6	0
Fairbanks	Secondary	158	Original	6/25/2022	11.253619	221	58	241	38	0
Fairbanks	Secondary	159	Original	6/27/2022	3.6860175	226	40	231	35	0
Fairbanks	Secondary	160	Original	6/24/2022	7.6152073	71	17	86	2	0

Fairbanks	Primary	161	Original	6/24/2022	1.2484895	363	76	396	43	0
Fairbanks	Secondary	162	Original	6/22/2022	16.45929	334	65	364	35	0
Fairbanks	Secondary	163	Original	6/25/2022	7.6965187	172	41	193	20	0
Juneau	Primary	164	Original	6/9/2022	8.0147505	329	86	398	17	0
Juneau	Primary	165	Original	6/9/2022	5.7207237	244	71	309	6	0
Juneau	Primary	166	Original	6/9/2022	1.5918425	184	36	212	8	0
Juneau	Primary	167	Original	6/9/2022	1.4005754	29	4	28	5	0
Juneau	Primary	168	Original	6/10/2022	1.7177052	320	53	370	3	0
Juneau	Local	169	Original	6/9/2022	12.035525	74	14	77	11	0
Juneau	Secondary	170	Original	6/10/2022	119.28229	99	18	116	1	0
Juneau	Primary	171	Original	6/10/2022	2.9110772	126	14	139	1	0
Juneau	Primary	172	Original	6/10/2022	7.5216503	170	22	188	4	0
Juneau	Secondary	173	Original	6/10/2022	3.1544229	118	10	112	16	0
Juneau	Secondary	174	Original	6/10/2022	17.041665	111	20	126	5	0
Kenai Pen	Secondary	175	Original	6/15/2022	7652469	102	26	108	20	0
Kenai Pen	Primary	176	Original	6/17/2022	4.5834913	139	50	162	27	0
Kenai Pen	Secondary	177	Original	6/17/2022	2.8811048	35	2	29	8	0
Kenai Pen	Primary	178	Original	6/17/2022	1.4911453	269	91	311	49	0
Kenai Pen	Primary	179	Original	6/17/2022	1.2598065	48	14	50	12	0
Kenai Pen	Primary	180	Original	6/17/2022	4.6796234	21	13	29	5	0
Kenai Pen	Primary	181	Original	6/17/2022	2.0985501	103	30	109	24	0
Kenai Pen	Primary	182	Original	6/16/2022	1.482923	41	14	43	12	0
Kenai Pen	Primary	183	Original	6/21/2022	3.4376631	474	178	587	65	0
Kenai Pen	Primary	184	Original	6/15/2022	1.6720512	386	97	410	73	0
Kenai Pen	Primary	185	Original	6/15/2022	2.325789	160	55	173	42	0
Kenai Pen	Primary	186	Original	6/20/2022	1.4764276	76	51	112	15	0
Kenai Pen	Local	187	Original	6/16/2022	95.905702	29	9	29	9	0
Kenai Pen	Primary	188	Original	6/15/2022	2.0696195	225	85	263	47	0
Kenai Pen	Primary	189	Original	6/15/2022	2.066525	357	113	402	68	0
Kenai Pen	Primary	190	Original	6/15/2022	1.3378089	335	92	378	49	0
Kenai Pen	Primary	191	Original	6/15/2022	1.8663003	334	99	343	90	0
Kenai Pen	Primary	192	Original	6/21/2022	1.8171183	481	147	542	86	0
Kenai Pen	Primary	193	Original	6/21/2022	1.2843297	349	124	425	48	0
Kenai Pen	Primary	194	Original	6/20/2022	1.7809777	12	9	20	1	0
Kenai Pen	Secondary	195	Original	6/21/2022	14.674842	56	16	61	11	0
Kenai Pen	Primary	196	Original	6/20/2022	1.6424759	154	106	239	21	0
Kenai Pen	Secondary	197	Original	6/15/2022	2.3724241	117	40	125	32	0
Kenai Pen	Primary	198	Original	6/21/2022	1.6937173	251	64	278	37	0
Kenai Pen	Primary	199	Original	6/16/2022	1.8849502	178	24	165	37	0
Kenai Pen	Primary	200	Original	6/21/2022	1	10	2	9	3	0
Kenai Pen	Secondary	201	Original	6/21/2022	63.005977	20	4	21	3	0
Kenai Pen	Primary	202	Original	6/16/2022	2.0852011	233	52	258	27	0
Kenai Pen	Primary	203	Original	6/21/2022	1.0883394	307	68	334	41	0

Kenai Pen	Primary	204	Original	6/16/2022	3.1000175	362	90	395	57	0
Kenai Pen	Primary	205	Original	6/16/2022	1.3084568	253	74	281	46	0
Kenai Pen	Primary	206	Original	6/20/2022	1.3155118	132	99	208	23	0
Kenai Pen	Primary	207	Original	6/20/2022	1.0453364	42	23	56	9	0
Kenai Pen	Secondary	208	Original	6/16/2022	16.575801	258	56	285	29	0
Kenai Pen	Primary	209	Original	6/20/2022	1	67	38	94	11	0
Matanuska	Local	210	Original	6/23/2022	2.6101255	56	12	59	9	0
Matanuska	Primary	211	Original	6/24/2022	1	59	17	70	6	0
Matanuska	Secondary	212	Original	6/27/2022	8.119983	103	31	114	20	0
Matanuska	Secondary	213	Original	6/23/2022	31.081796	88	31	106	13	0
Matanuska	Primary	214	Original	6/21/2022	4.5067129	57	16	67	6	0
Matanuska	Primary	215	Original	6/24/2022	1.4200001	236	52	260	28	0
Matanuska	Primary	216	Original	6/24/2022	1.6068945	193	33	209	17	0
Matanuska	Secondary	217	Original	6/21/2022	9.4069773	57	16	67	6	0
Matanuska	Primary	218	Original	6/21/2022	31.403361	136	38	158	16	0
Matanuska	Primary	219	Original	6/27/2022	1	255	98	317	36	0
Matanuska	Primary	220	Original	6/24/2022	1	514	187	626	75	0
Matanuska	Primary	221	Original	6/24/2022	1	413	129	485	57	0
Matanuska	Primary	222	Alternative	6/21/2022	55.312609	253	64	263	54	0
Matanuska	Primary	223	Original	6/24/2022	1.8879793	289	95	326	58	0
Matanuska	Primary	224	Original	6/24/2022	1.764837	439	145	526	58	0
Matanuska	Secondary	225	Original	6/21/2022	19.467692	29	3	21	11	0
Matanuska	Primary	226	Original	6/24/2022	1	403	153	489	67	0
Matanuska	Primary	227	Original	6/27/2022	1.6117283	319	119	411	27	0
Matanuska	Primary	228	Original	6/27/2022	1	169	65	209	25	0
Matanuska	Primary	229	Original	6/23/2022	1	205	52	207	50	0
Matanuska	Secondary	230	Original	6/23/2022	72.611057	22	4	21	5	0
Matanuska	Primary	231	Original	6/22/2022	3.7685279	206	65	212	59	0
Matanuska	Primary	232	Original	6/21/2022	3.6644127	395	93	414	74	0
Matanuska	Primary	233	Original	6/21/2022	3.9641601	163	24	166	21	0
Matanuska	Primary	234	Original	6/22/2022	5.425176	188	56	192	52	0
Matanuska	Secondary	235	Original	6/27/2022	9.7624401	23	4	17	10	0
Matanuska	Primary	236	Original	6/23/2022	5.7908142	212	67	230	49	0
Matanuska	Primary	237	Original	6/22/2022	6.2314689	217	56	223	50	0
Matanuska	Primary	238	Original	6/23/2022	2.6779279	72	11	76	7	0
Matanuska	Primary	239	Original	6/22/2022	4.7820774	119	27	119	27	0
Matanuska	Primary	240	Original	6/21/2022	1.9916241	112	6	94	24	0
Matanuska	Primary	241	Original	6/22/2022	2.9695284	218	44	203	59	0
Matanuska	Primary	242	Original	6/21/2022	5.8584667	130	16	122	24	0
Matanuska	Secondary	243	Original	6/27/2022	10.609796	128	32	141	19	0
Matanuska	Primary	244	Original	6/22/2022	4.0784566	122	25	123	24	0
Matanuska	Secondary	245	Original	6/23/2022	3.1149578	128	43	153	18	0

Matanuska	Primary	246	Original	6/27/2022	1	321	107	332	96	0
Matanuska	Primary	247	Original	6/25/2022	1.0639447	44	29	67	6	0
Matanuska	Primary	248	Original	6/23/2022	1.3265107	123	23	129	17	0
Matanuska	Secondary	249	Original	6/22/2022	2.381824	10	0	8	2	0
Matanuska	Primary	250	Original	6/25/2022	1	32	11	35	8	0
Matanuska	Primary	251	Original	6/22/2022	1.3106596	33	2	24	11	0
Matanuska	Primary	252	Original	6/25/2022	3.9717022	52	23	71	4	0
Matanuska	Primary	253	Original	6/25/2022	1.794582	9	3	7	5	0
Matanuska	Secondary	254	Original	6/25/2022	4.7965616	80	47	115	12	0
Matanuska	Primary	255	Original	6/25/2022	1.7997677	51	20	60	11	0
Matanuska	Primary	256	Original	6/25/2022	1.9646027	121	69	178	12	0
						52,916	12,008	59,775	5,149	

Standard Error of Statewide Belt Use Rate .54%

Standard error may not exceed 1.29%

Nonresponse rate for the survey variable seat belt use .0%

Nonresponse rate as provided in § 1340.9(f)