

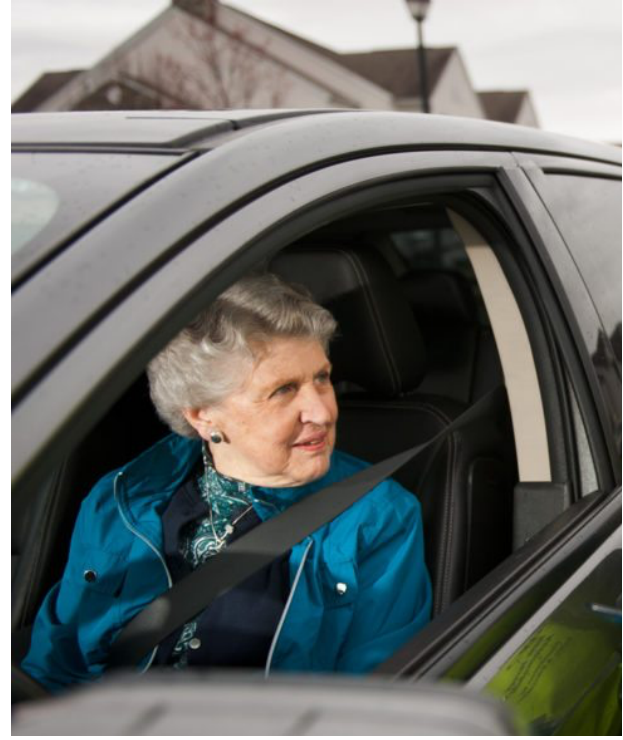
2024 Occupant Protection Use Survey Report

An Observational Study of
Seat Belt Use in Alaska

Produced for the Alaska Highway Safety Office

By Center for Safe Alaskans

August 2024



Toward Zero Deaths Everyone Counts on Alaska's Roadways

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Abstract

This observational study assessed 2024 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 2024. The 2024 observations took place from June 10 – July 31, 2024 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 2024 study period, a total of 42,107 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 52,545 occupants observed. Of those observed, 80.1% ($n = 42,107$) were drivers and 19.9% ($n = 10,438$) were passengers. The results of this study indicate **92.1 %** 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 do 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 2024 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 2024, seven observers were trained to complete the seat belt observations. One observer had to be replaced due to poor job performance. 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 2024, 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 10 – July 31, 2024. 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. Days of the week, times of day, direction of traffic flow to be observed and sites were all consistent with those approved by NHTSA in 2022.

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 2024 Alaska OPUS surveys took place between June 10 – July 31, 2024, 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 those surveys would be redone on the correct days of the week and times of day that were set out in the original survey plan.

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 or detoured traffic at a few sites, and caused alternate sites to be used. 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 then 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, 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 52,545 vehicle occupants were observed. Of those observations, 80.1% ($n = 42,107$) were drivers and 19.9% ($n = 10,438$) were passengers. Of the observed vehicles, 45.3% were SUVs, followed by trucks at 31.2%, cars at 17.1%, then vans at 6.4%.

Table 1. Characteristics of 2024 Study Sample ($N = 42,107$ Vehicles, $N = 52,545$ occupants)

	Observed		
Seating Position	<i>n</i>	%	
Driver	42,107	80.1	
Passenger	10,438	19.9	
Vehicle Type	<i>n</i>	%	
Car	7,208	17.1	
SUV	19,086	45.3	
Truck	13,130	31.2	
Van	2,683	6.4	
Borough	<i>n</i>	%	
Anchorage	16,253	38.6	
Fairbanks	10,835	25.7	
Juneau	1,418	3.4	
Kenai	4,979	11.8	
Matanuska Susitna	8,622	20.5	

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 2024 weighted seat belt rate for Alaska was **92.1%**. The Standard Error was determined to be **0.8%**, well within the standard error of 1.29% as required by NHTSA guidelines.

Figure 1: Weighted Seat Belt Use Rate (Percent) by year, 2011-2024.

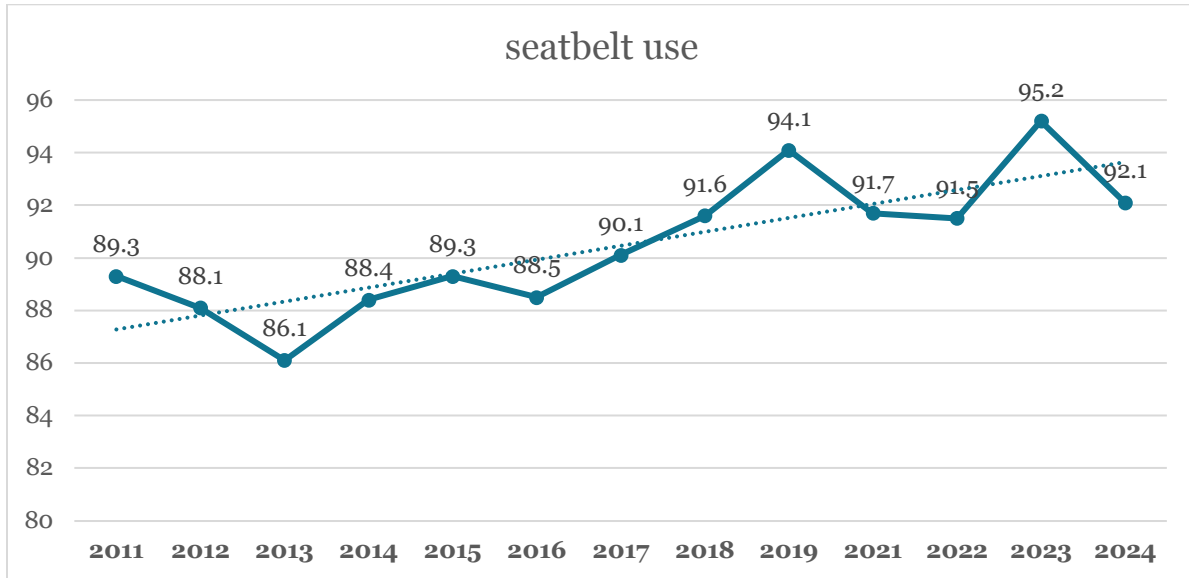


Table 2 displays crosstab results for weighted seat belt use in Alaska by vehicle type between 2016 and 2024. This table shows fairly consistent usage rates by vehicle type over the eight year period.

Table 2. Seat Belt Use Rates in Alaska by Vehicle Type, 2016-2024

	2024	2023	2022	2021	2019	2018	2017	2016
OCCUPANTS	%	%	%	%	%	%	%	%
CAR	91.9	95.0	92.5	92.1	94.4	92.4	91.6	90.6
SUV	94.3	96.8	94.9	93.8	95.5	94.7	92.4	91.7
TRUCK	88.6	93.1	86.2	88.9	91.6	88.2	86.6	86.3
VAN	92.5	95.9	92.7	93.2	95.4	92.0	90.2	88.5

Seat belt use rates by Borough between 2016 and 2024 are shown in Table 3.

Table 3. Weighted Seat Belt Use Rates for Occupants in Alaska by Region, 2016-2024

	2024	2023	2022	2021	2019	2018	2017	2016
<i>Borough</i>	%		%	%	%	%	%	%
Anchorage	93.8	98.3	93.7	94.9	96.5	93.5	90.1	89.4
Fairbanks	92.6	94.4	91.4	93.5	91.2	84.9	88.5	89.0
Juneau	80.3	96.4	97.6	81.5	84.7	89.4	86.6	86.9
Kenai	94.3	85.2	85.9	85.0	96.8	90.6	90.7	81.3
Matanuska Susitna	85.7	88.8	85.0	85.1	91.6	97.6	93.4	95.0

Table 3 shows fairly consistent usage rates for the boroughs of Anchorage, Fairbanks, and Mat Su. The drastic changes for Juneau and Kenai are a concern. Possible changes may be to increase the sample size or to increase the surveyor training and quality control visits.

Table 4 provides the results for crosstab analyses of weighted observed seat belt use by vehicle type and borough from 2016 to 2024. Juneau had the highest usage rate of all the boroughs in 2023 and the lowest in 2024. The lowest usage rate for truck occupants ever reported in Juneau, was reported in 2024.

Table 4. Weighted Seat Belt Use Rates by Vehicle Type and Borough, 2016-2024

	2024	2023	2022	2021	2019	2018	2017	2016
<i>Borough</i>	%	%	%	%	%	%	%	%
Anchorage								
Car	94.0	98.3	95.2	96.8	96.3	93.6	91.3	89.9
SUV	95.4	98.4	96.4	96.3	97.0	95.5	91.7	91.5
Truck	90.8	98.4	88.2	92.0	95.	90.6	86.5	86.8
Van	94.0	97.2	92.2	93.5	96.2	92.7	90.4	87.7
Fairbanks								
Car	92.0	92.2	90.2	90.7	91.9	86.3	90.7	91.1
SUV	93.7	95.9	94.7	94.7	93.2	90.2	92.4	90.5
Truck	91.2	93.1	87.5	93.2	87.8	78.2	83.5	85.4
Van	92.0	96.1	93.3	97.7	96.7	88.9	86.7	91.6
Juneau								
Car	87.8	96.6	99.2	86.8	89.0	88.4	91.1	88.5
SUV	88.5	99.4	96.5	85.8	88.1	93.3	91.1	91.0
Truck	60.4	93.8	96.7	67.5	74.7	83.8	77.9	81.9
Van	96.4	96.9	97.9	86.6	85.0	92.4	80.8	83.0
Kenai								
Car	91.7	86.7	87.5	87.0	97.1	91.3	92.0	86.4
SUV	96.9	89.5	89.5	87.6	96.9	93.6	93.3	85.0
Truck	93.1	80.2	80.3	80.5	96.3	86.8	87.3	75.7
Van	94.8	91.8	89.7	91.2	96.8	91.8	92.2	82.8
Matanuska-Susitna								
Car	90.9	91.5	87.9	85.0	92.1	98.2	93.7	95.1
SUV	93.5	95.3	90.7	87.5	94	98.7	94.7	96.5
Truck	84.8	81.8	77.7	82.3	88.9	96.6	91.9	93.5
Van	85.9	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 2024 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 2024, 3.7% of drivers were observed using a cell phone, which is essentially the same as 2023. Driver cell phone use observed during the Alaska OPUS between 2015 and 2024 is shown in Table 5.

Table 5: Statewide Driver Cell Phone Use, 2015-2024

		2024	2023	2022	2021	2019	2018	2017	2016	2015
Borough	Cell Phone Use	%								
Anchorage		3.9	2.2	7.9						
Fairbanks		3.3	4.9	6.6						
Juneau		2.7	3.1	13.9						
Kenai Pen.		3.5	6.4	5.0						
MatSu		5.2	5.6	5.6						
	Statewide	3.7%	3.6%	7.2%	5.99%	5.2%	6.9%	5.1%	7.4%	3.6%

Summary

The 20242 NOPUS observational study assessed driver and front row outboard passenger seat belt use in Alaska. A total of 42,107 vehicles were observed during the 2024 study period. Seat belt use was recorded for drivers and front seat outboard passengers in cars, trucks, SUVs and vans. There were 52,545 occupants observed, and the results of this study found that **92.1%** 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: **2024**

Statewide Seat Belt Use Rate: **92.1%**

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 .

Tammy Kramer
Signature

08.26.2024
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	06/21/2024	1	195	124	300	19	0
Anchorage	Primary	2	Original	06/21/2024	1.3773172	228	169	393	4	0
Anchorage	Primary	3	Original	06/21/2024	1	35	13	47	1	0
Anchorage	Primary	4	Original	06/21/2024	1	124	28	148	4	0
Anchorage	Primary	5	Original	06/21/2024	5.8505097	94	21	110	5	0
Anchorage	Primary	6	Original	06/26/2024	1.1749559	237	51	263	25	0
Anchorage	Primary	7	Original	06/26/2024	6.2376018	136	29	154	11	0
Anchorage	Primary	8	Original	06/26/2024	4.7554179	89	18	101	6	0
Anchorage	Secondary	9	Original	06/17/2024	27.936036	22	2	23	1	0
Anchorage	Secondary	10	Original	06/18/2024	163.2521	19	5	19	5	0
Anchorage	Primary	11	Original	06/17/2024	1	163	57	212	8	0
Anchorage	Primary	12	Original	06/17/2024	2.5135018	27	5	27	5	0
Anchorage	Primary	13	Original	06/17/2024	2.692342	22	1	22	1	0
Anchorage	Primary	14	Original	06/17/2024	4.416312	118	26	132	12	0
Anchorage	Primary	15	Original	06/17/2024	1.5625867	126	31	153	4	0
Anchorage	Primary	16	Original	06/17/2024	4.1956961	61	14	71	4	0
Anchorage	Primary	17	Original	06/17/2024	1	163	57	212	8	0
Anchorage	Primary	18	Original	06/18/2024	1.1506921	63	9	71	1	0
Anchorage	Primary	19	Original	06/18/2024	2.3432983	118	34	143	9	0
Anchorage	Primary	20	Original	06/18/2024	1.7913007	82	18	89	11	0
Anchorage	Primary	21	Original	06/20/2024	1.343555	220	69	286	3	0
Anchorage	Primary	22	Original	06/18/2024	3.5036835	64	20	82	2	0
Anchorage	Primary	23	Original	06/18/2024	1.8439032	265	77	331	11	0
Anchorage	Primary	24	Original	06/20/2024	5.0479604	173	34	194	13	0
Anchorage	Primary	25	Original	06/18/2024	1.8841397	187	52	236	3	0
Anchorage	Primary	26	Original	06/18/2024	1.1470993	81	21	98	4	0
Anchorage	Primary	27	Original	06/20/2024	2.475129	246	13	250	9	0
Anchorage	Primary	28	Original	06/20/2024	6.0392099	210	32	226	16	0
Anchorage	Primary	29	Original	06/20/2024	1	265	82	336	11	0
Anchorage	Primary	30	Original	06/22/2024	1	142	69	208	3	0
Anchorage	Primary	31	Original	06/22/2024	3.6460081	130	60	173	17	0
Anchorage	Primary	32	Original	06/20/2024	3.0018204	218	33	236	15	0
Anchorage	Primary	33	Original	06/22/2024	4.4482033	65	26	83	8	0
Anchorage	Primary	34	Original	06/22/2024	4.526789	166	71	220	16	1
Anchorage	Primary	35	Original	06/24/2024	1	220	53	236	37	0
Anchorage	Primary	36	Original	06/24/2024	45.234053	274	70	311	33	0

Anchorage	Primary	37	Original	06/22/2024	1.537329	150	64	205	9	0
Anchorage	Primary	38	Original	06/20/2024	3.6736016	212	28	229	11	0
Anchorage	Primary	39	Original	06/24/2024	2.1954214	194	28	213	9	0
Anchorage	Primary	40	Original	06/20/2024	4.4287372	159	30	169	20	0
Anchorage	Primary	41	Original	06/24/2024	2.3665968	210	45	246	9	0
Anchorage	Primary	42	Original	06/24/2024	3.5722025	182	49	201	30	0
Anchorage	Primary	43	Original	06/22/2024	140.00021	191	66	249	8	0
Anchorage	Primary	44	Original	06/22/2024	1.3028233	185	82	254	13	0
Anchorage	Primary	45	Original	06/22/2024	2.9132758	131	45	168	8	0
Anchorage	Primary	46	Original	06/25/2024	1	133	27	143	17	0
Anchorage	Primary	47	Original	06/24/2024	4.3418857	246	60	272	34	0
Anchorage	Primary	48	Original	06/25/2024	3.3835861	155	21	169	7	0
Anchorage	Primary	49	Original	06/26/2024	3.682062	75	11	84	2	0
Anchorage	Primary	50	Original	06/25/2024	4.571348	154	23	172	5	0
Anchorage	Primary	51	Original	06/24/2024	1	251	86	321	16	0
Anchorage	Primary	52	Original	06/25/2024	1.7609595	112	15	114	13	0
Anchorage	Primary	53	Original	06/25/2024	3.7515906	135	25	152	8	0
Anchorage	Primary	54	Original	06/26/2024	1	222	47	260	9	0
Anchorage	Primary	55	Original	06/25/2024	3.8587305	251	55	290	16	0
Anchorage	Primary	56	Original	06/26/2024	2.7937185	162	25	174	13	0
Anchorage	Primary	57	Original	06/25/2024	1	22	4	24	2	0
Anchorage	Primary	58	Original	06/25/2024	1.1476862	204	31	217	18	0
Anchorage	Secondary	59	Original	06/24/2024	25.819506	127	21	136	12	0
Anchorage	Secondary	60	Original	06/26/2024	13.545808	35	8	38	5	0
Anchorage	Primary	61	Original	07/04/2024	1.311574	97	43	133	7	0
Anchorage	Primary	62	Original	07/04/2024	7.7338354	17	3	18	2	0
Anchorage	Primary	63	Original	07/04/2024	1	126	33	154	5	0
Anchorage	Primary	64	Original	06/19/2024	2.7785694	212	65	266	11	0
Anchorage	Primary	65	Original	07/04/2024	3.9261579	126	56	177	5	0
Anchorage	Primary	66	Original	07/04/2024	1.6079515	75	16	88	3	0
Anchorage	Primary	67	Original	07/31/2024	2.8692277	244	49	250	43	0
Anchorage	Primary	68	Original	07/04/2024	7.6048756	83	22	93	12	0
Anchorage	Primary	69	Original	06/19/2024	1.4286559	175	26	193	8	0
Anchorage	Primary	70	Original	07/04/2024	1.5454463	85	32	111	6	0
Anchorage	Primary	71	Original	07/04/2024	17.016729	35	4	36	3	0
Anchorage	Primary	72	Original	06/19/2024	2.062338	205	35	230	10	0
Anchorage	Primary	73	Original	06/19/2024	2.9760631	192	28	207	13	0
Anchorage	Primary	74	Original	07/08/2024	2.6394625	182	34	207	9	0
Anchorage	Primary	75	Original	07/02/2024	1.9114117	140	23	160	3	0
Anchorage	Secondary	76	Original	07/08/2024	83.234404	49	8	52	5	0
Anchorage	Primary	77	Original	07/08/2024	6.7368926	132	25	151	6	0
Anchorage	Primary	78	Original	07/08/2024	9.0293202	94	18	106	6	0
Anchorage	Primary	79	Original	07/08/2024	6.2085253	207	40	226	21	0

Anchorage	Primary	80	Original	07/02/2024	7.6267075	98	20	103	15	0
Anchorage	Primary	81	Original	06/19/2024	1.5828542	264	65	321	8	0
Anchorage	Primary	82	Original	07/03/2024	6.4045657	100	17	108	9	0
Anchorage	Primary	83	Original	07/03/2024	1.1401073	160	41	192	9	0
Anchorage	Primary	84	Original	07/02/2024	3.8098693	123	19	133	9	0
Anchorage	Secondary	85	Original	06/19/2024	6.2433651	303	61	354	10	0
Anchorage	Primary	86	Original	07/08/2024	4.1925025	129	33	159	3	0
Anchorage	Primary	87	Original	07/02/2024	2.9917496	236	44	268	12	0
Anchorage	Primary	88	Original	07/08/2024	1.530445	146	26	166	6	0
Anchorage	Primary	89	Original	07/02/2024	2.178563	172	44	209	7	0
Anchorage	Primary	90	Original	07/08/2024	15.338733	88	19	102	5	0
Anchorage	Primary	91	Original	07/03/2024	2.0635365	115	36	140	11	0
Anchorage	Primary	92	Original	07/02/2024	10.925974	71	14	74	11	0
Anchorage	Primary	93	Original	07/02/2024	1	122	34	147	9	0
Anchorage	Primary	94	Original	07/03/2024	1	128	37	147	18	0
Anchorage	Primary	95	Original	07/03/2024	2.3907922	175	50	207	18	0
Anchorage	Secondary	96	Original	07/03/2024	2.1342798	184	40	215	9	0
Anchorage	Primary	97	Original	07/03/2024	1	176	42	209	9	0
Anchorage	Primary	98	Original	06/18/2024	1	255	121	367	9	0
Anchorage	Primary	99	Original	07/02/2024	1	112	23	130	5	0
Anchorage	Secondary	100	Original	06/18/2024	5.9857372	42	10	50	2	0
Anchorage	Local	101	Original	07/03/2024	6.0167062	57	5	58	4	0
Anchorage	Primary	102	Original	06/18/2024	1	145	32	165	12	0
Anchorage	Primary	103	Original	06/18/2024	1.5587548	172	37	196	13	0
Anchorage	Primary	104	Original	06/18/2024	3.5429638	115	49	158	6	0
Anchorage	Primary	105	Original	06/18/2024	1	136	35	165	6	0
Anchorage	Primary	106	Original	06/18/2024	15.136167	304	50	336	18	0
Anchorage	Primary	107	Original	07/01/2024	1	60	11	62	9	0
Anchorage	Primary	108	Original	07/01/2024	1	150	38	176	12	0
Anchorage	Primary	109	Original	07/01/2024	2.3119446	98	23	112	9	0
Anchorage	Primary	110	Original	07/01/2024	1	22	4	24	2	0
Anchorage	Primary	111	Original	07/01/2024	85.284109	81	25	98	8	0
Anchorage	Secondary	112	Original	07/01/2024	13.164033	62	18	71	9	0
Anchorage	Primary	113	Original	07/01/2024	1	67	23	76	14	0
Anchorage	Primary	114	Original	07/06/2024	1	22	4	21	5	0
Anchorage	Primary	115	Original	07/06/2024	327.65579	9	3	12	0	0
Anchorage	Primary	116	Original	07/06/2024	1	14	6	18	2	0
Anchorage	Secondary	117	Original	07/06/2024	16.056224	23	6	26	3	0
Anchorage	Primary	118	Original	07/06/2024	1	16	12	27	1	0
Anchorage	Primary	119	Original	07/06/2024	1	13	10	22	1	0
Anchorage	Primary	120	Original	07/06/2024	1	65	36	99	2	0
Fairbanks	Secondary	121	Original	06/11/2024	36.73982	63	8	59	12	0
Fairbanks	Primary	122	Original	06/11/2024	1.1616361	236	31	249	18	0

Fairbanks	Secondary	123	Original	06/11/2024	12.449333	221	32	215	38	0
Fairbanks	Primary	124	Original	06/11/2024	1.8977162	582	138	642	78	0
Fairbanks	Secondary	125	Original	06/11/2024	9.1131906	118	25	130	13	0
Fairbanks	Primary	126	Original	06/11/2024	1.8878807	302	61	338	25	0
Fairbanks	Secondary	127	Original	06/13/2024	6.3735729	389	54	418	25	0
Fairbanks	Primary	128	Original	06/11/2024	1	215	26	224	17	0
Fairbanks	Primary	129	Original	06/15/2024	14.512461	249	53	269	33	0
Fairbanks	Primary	130	Original	06/15/2024	1	194	15	188	21	0
Fairbanks	Primary	131	Original	06/11/2024	4.7499647	235	26	235	26	0
Fairbanks	Primary	132	Original	06/15/2024	1.7359746	300	79	348	31	0
Fairbanks	Primary	133	Alternate	06/15/2024	1.2270186	350	130	446	34	0
Fairbanks	Primary	134	Original	06/13/2024	2.9345655	185	26	204	7	0
Fairbanks	Secondary	135	Original	06/13/2024	7.7591468	207	29	222	14	0
Fairbanks	Primary	136	Original	06/15/2024	4.1200741	340	131	444	27	0
Fairbanks	Primary	137	Alternate	06/15/2024	68.872959	257	86	311	32	0
Fairbanks	Primary	138	Original	06/13/2024	2.8600618	322	57	370	9	0
Fairbanks	Primary	139	Original	06/12/2024	29.512493	246	26	265	7	0
Fairbanks	Local	140	Original	06/12/2024	58.697444	263	35	277	21	0
Fairbanks	Primary	141	Original	06/13/2024	3.5063318	307	43	330	20	0
Fairbanks	Primary	142	Original	06/13/2024	39.09473	333	16	337	12	0
Fairbanks	Primary	143	Original	06/13/2024	1.8457144	261	52	301	12	0
Fairbanks	Primary	144	Original	06/12/2024	7.6863393	224	35	238	21	0
Fairbanks	Primary	145	Original	06/12/2024	2.2359772	270	69	321	18	0
Fairbanks	Primary	146	Original	06/13/2024	2.2048737	408	41	435	14	0
Fairbanks	Primary	147	Original	06/12/2024	36.941234	235	32	241	26	0
Fairbanks	Primary	148	Original	06/14/2024	5.1837377	220	32	241	11	0
Fairbanks	Primary	149	Original	06/14/2024	52.118463	321	77	366	32	0
Fairbanks	Primary	150	Original	06/14/2024	7.5789056	176	43	195	24	0
Fairbanks	Primary	151	Original	06/14/2024	3.8526485	285	58	326	17	0
Fairbanks	Primary	152	Original	06/17/2024	2.2809607	243	25	248	20	0
Fairbanks	Primary	153	Original	06/14/2024	4.5735953	234	23	250	7	0
Fairbanks	Secondary	154	Original	06/17/2024	48.547295	181	34	206	9	0
Fairbanks	Secondary	155	Original	06/12/2024	7.9790887	265	50	290	25	0
Fairbanks	Secondary	156	Original	06/12/2024	41.145808	118	17	125	10	0
Fairbanks	Secondary	157	Original	06/17/2024	16.949605	75	15	89	1	0
Fairbanks	Secondary	158	Original	06/15/2024	11.253619	224	51	210	63	2
Fairbanks	Secondary	159	Original	06/17/2024	3.6860175	250	42	276	16	0
Fairbanks	Secondary	160	Original	06/14/2024	7.6152073	115	16	126	5	0
Fairbanks	Primary	161	Original	06/14/2024	1.2484895	317	53	351	19	0
Fairbanks	Secondary	162	Original	06/12/2024	16.45929	268	55	312	11	0
Fairbanks	Secondary	163	Original	06/15/2024	7.6965187	231	69	273	27	0
Juneau	Primary	164	Original	06/20/2024	8.0147505	157	58	185	30	0
Juneau	Primary	165	Original	06/20/2024	5.7207237	152	43	187	7	1

Juneau	Primary	166	Original	06/20/2024	1.5918425	165	39	188	14	2
Juneau	Primary	167	Original	06/20/2024	1.4005754	128	26	137	13	4
Juneau	Primary	168	Original	06/21/2024	1.7177052	141	43	169	14	1
Juneau	Local	169	Original	06/20/2024	12.035525	93	17	98	9	3
Juneau	Secondary	170	Original	06/21/2024	119.28229	88	22	78	30	2
Juneau	Primary	171	Original	06/21/2024	2.9110772	140	34	157	17	0
Juneau	Primary	172	Original	06/21/2024	7.5216503	148	36	166	17	1
Juneau	Secondary	173	Original	06/21/2024	3.1544229	91	11	89	11	2
Juneau	Secondary	174	Original	06/21/2024	17.041665	115	37	139	12	1
Kenai Pen	Secondary	175	Original	06/26/2024	7652469	45	12	47	10	0
Kenai Pen	Primary	176	Original	06/28/2024	4.5834913	122	34	148	8	0
Kenai Pen	Secondary	177	Original	06/28/2024	2.8811048	123	19	124	18	0
Kenai Pen	Primary	178	Original	06/28/2024	1.4911453	179	47	208	18	0
Kenai Pen	Primary	179	Original	06/28/2024	1.2598065	40	8	35	13	0
Kenai Pen	Primary	180	Original	06/28/2024	4.6796234	8	3	10	1	0
Kenai Pen	Primary	181	Original	06/28/2024	2.0985501	83	21	91	13	0
Kenai Pen	Primary	182	Original	06/27/2024	1.482923	60	27	74	13	0
Kenai Pen	Primary	183	Original	06/25/2024	3.4376631	299	69	340	28	0
Kenai Pen	Primary	184	Original	06/26/2024	1.6720512	260	58	306	12	0
Kenai Pen	Primary	185	Original	06/26/2024	2.325789	89	32	115	6	0
Kenai Pen	Primary	186	Original	06/24/2024	1.4764276	42	28	64	6	0
Kenai Pen	Local	187	Original	06/27/2024	95.905702	85	46	125	6	0
Kenai Pen	Primary	188	Original	06/26/2024	2.0696195	293	96	372	17	0
Kenai Pen	Primary	189	Original	06/26/2024	2.066525	238	77	293	22	0
Kenai Pen	Primary	190	Original	06/26/2024	1.3378089	160	35	184	11	0
Kenai Pen	Primary	191	Original	06/26/2024	1.8663003	243	59	266	36	0
Kenai Pen	Primary	192	Original	06/25/2024	1.8171183	367	93	411	49	0
Kenai Pen	Primary	193	Original	06/25/2024	1.2843297	176	46	203	19	0
Kenai Pen	Primary	194	Original	06/24/2024	1.7809777	117	55	160	12	0
Kenai Pen	Secondary	195	Original	06/25/2024	14.674842	69	9	72	6	0
Kenai Pen	Primary	196	Original	06/24/2024	1.6424759	160	94	245	9	0
Kenai Pen	Secondary	197	Original	06/26/2024	2.3724241	104	41	136	9	0
Kenai Pen	Primary	198	Original	06/25/2024	1.6937173	262	64	315	11	0
Kenai Pen	Primary	199	Original	06/27/2024	1.8849502	114	16	125	5	0
Kenai Pen	Primary	200	Original	06/25/2024	1	190	27	190	27	0
Kenai Pen	Secondary	201	Original	06/25/2024	63.005977	71	11	77	5	0
Kenai Pen	Primary	202	Original	06/27/2024	2.0852011	27	7	30	4	0
Kenai Pen	Primary	203	Original	06/25/2024	1.0883394	209	41	240	10	0
Kenai Pen	Primary	204	Original	06/27/2024	3.1000175	241	67	296	12	0
Kenai Pen	Primary	205	Original	06/27/2024	1.3084568	165	35	188	12	0
Kenai Pen	Primary	206	Original	06/24/2024	1.3155118	36	27	55	8	0
Kenai Pen	Primary	207	Original	06/24/2024	1.0453364	58	20	74	4	0
Kenai Pen	Secondary	208	Original	06/27/2024	16.575801	207	43	243	7	0

Kenai Pen	Primary	209	Original	06/24/2024	1	37	20	55	2	0
Matanuska	Local	210	Original	06/20/2024	2.6101255	78	17	87	8	0
Matanuska	Primary	211	Original	06/21/2024	1	65	7	67	5	0
Matanuska	Secondary	212	Original	06/24/2024	8.119983	133	31	144	20	0
Matanuska	Secondary	213	Original	06/20/2024	31.081796	40	10	46	4	0
Matanuska	Primary	214	Original	06/24/2024	4.5067129	100	29	122	7	0
Matanuska	Primary	215	Original	06/21/2024	1.4200001	526	153	601	78	0
Matanuska	Primary	216	Original	06/21/2024	1.6068945	156	24	172	8	0
Matanuska	Secondary	217	Original	06/18/2024	9.4069773	71	21	66	26	0
Matanuska	Primary	218	Original	06/18/2024	31.403361	325	53	352	26	0
Matanuska	Primary	219	Original	06/24/2024	1	286	94	348	32	0
Matanuska	Primary	220	Original	06/21/2024	1	413	134	513	34	0
Matanuska	Primary	222	Alternate	06/18/2024	55.312609	183	37	187	33	0
Matanuska	Primary	223	Original	06/21/2024	1.8879793	486	154	597	43	0
Matanuska	Primary	224	Original	06/21/2024	1.764837	276	59	303	32	0
Matanuska	Secondary	225	Original	06/18/2024	19.467692	32	11	40	3	0
Matanuska	Primary	226	Original	06/21/2024	1	390	129	471	48	0
Matanuska	Primary	227	Original	06/24/2024	1.6117283	333	112	397	48	0
Matanuska	Primary	228	Original	06/24/2024	1	259	66	298	27	0
Matanuska	Primary	229	Original	06/20/2024	1	235	88	294	29	0
Matanuska	Secondary	230	Original	06/20/2024	72.611057	20	7	26	1	0
Matanuska	Primary	231	Original	06/19/2024	3.7685279	457	121	490	88	0
Matanuska	Primary	232	Original	06/18/2024	3.6644127	279	69	301	47	0
Matanuska	Primary	233	Original	06/18/2024	3.9641601	163	36	179	20	0
Matanuska	Primary	234	Original	06/19/2024	5.425176	285	95	374	6	0
Matanuska	Secondary	235	Original	06/24/2024	9.7624401	21	5	20	6	0
Matanuska	Primary	236	Original	06/20/2024	5.7908142	189	63	221	31	0
Matanuska	Primary	237	Original	06/19/2024	6.2314689	251	69	285	35	0
Matanuska	Primary	238	Original	06/20/2024	2.6779279	82	25	99	8	0
Matanuska	Primary	239	Original	06/19/2024	4.7820774	168	38	197	9	0
Matanuska	Primary	240	Original	06/18/2024	1.9916241	208	15	187	36	0
Matanuska	Primary	241	Original	06/19/2024	2.9695284	340	102	391	51	0
Matanuska	Primary	242	Original	06/18/2024	5.8584667	325	79	330	74	0
Matanuska	Secondary	243	Original	06/24/2024	10.609796	119	23	125	17	0
Matanuska	Primary	244	Original	06/19/2024	4.0784566	97	33	127	3	0
Matanuska	Secondary	245	Original	06/20/2024	3.1149578	150	38	179	9	0
Matanuska	Primary	246	Original	06/24/2024	1	383	145	479	49	0
Matanuska	Primary	247	Original	06/22/2024	1.0639447	53	17	63	7	0
Matanuska	Primary	248	Original	06/20/2024	1.3265107	118	30	135	13	0
Matanuska	Secondary	249	Original	06/19/2024	2.381824	25	6	31	0	0
Matanuska	Primary	250	Original	06/22/2024	1	51	32	81	2	0
Matanuska	Primary	251	Original	06/19/2024	1.3106596	42	4	39	7	0
Matanuska	Primary	252	Original	06/22/2024	3.9717022	84	44	120	8	0

Matanuska	Primary	253	Original	06/22/2024	1.794582	24	10	32	2	0
Matanuska	Secondary	254	Original	06/22/2024	4.7965616	162	81	239	4	0
Matanuska	Primary	255	Original	06/22/2024	1.7997677	26	10	35	1	0
Matanuska	Primary	256	Original	06/22/2024	1.9646027	114	70	168	16	0
						42107	10438	48786	3739	20

52545

Standard Error of Statewide Belt Use Rate .8%

Standard error may not exceed 2.5%

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

Nonresponse rate as provided in § 1340.9(f)