

# Nebraska Seat Belt Use 2021 Data Collection Report

Prepared: October 2021



The contents of this report conform to our highest standards for data collection and reporting. If you should have any questions or concerns regarding the information reported within, please contact us.

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# Nebraska Seat Belt Use Survey

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# Nebraska Seat Belt Use

## 2021 Data Collection Report

October 8, 2021

### Introduction

In an effort to achieve greater consistency and comparability in statewide seat belt use reporting, the National Highway Traffic Safety Administration (NHTSA) issued new requirements in 2011 for observing and reporting future seat belt use. The requirements include the involvement of a qualified statistician in the sampling of specific road segments to be observed and in the data weighting process. A variety of specified operational details are also required. Each state prepares a plan that is approved by NHTSA and collects seat belt use data annually based on their approved plan. Every five years, the sample of road segments must be redrawn based upon updated information and approved by NHTSA.

In 2021, the Bureau of Sociological Research (BOSR) at the University of Nebraska – Lincoln was contracted to collect seat belt use observations and provide statistical weighting for this year’s data collection. The 2021 data collection was the third year BOSR conducted the data collection. This was the first administration were BOSR processed, weighted and reported the data as well.

Primary contacts at each organization are listed below.

Bill Kovarik, Traffic Safety Specialist, Nebraska Department of Transportation (NDOT)

Lindsey Witt-Swanson, Associate Director, BOSR, University of Nebraska - Lincoln

Kim Meiergerd, Senior Project Manager, BOSR, University of Nebraska - Lincoln

This report describes the data collection process for obtaining 2021 Nebraska seat belt use data as stipulated by the approved study design. It also includes tables with overall results showing seat belt use in Nebraska.

### Preparation

BOSR prepared materials, recruited and trained personnel, and scheduled data collection for the 2021 administration. The same 72 sample road segments used in 2019 and 2020 were again used in 2021 as the final year the sampled segments are to be used.

### Site Verification

The Nebraska Seat Belt Survey Plan uses a sample of 72 road segments or sites spread across nine counties. Douglas County (Omaha) has 18 sampled segments while Lancaster (Lincoln) has 12. The remaining seven counties each have six sampled road segments. All of the sites were able to be observed in 2021 despite construction work.

### Materials Preparation

BOSR used the same maps prepared for data collectors in past years with the addition of any useful notes provided by data collectors in years past. Data collectors were provided with the necessary field equipment, including safety vests, signs, stop watches, and clickers. Data collection forms were printed. Data collection schedules were prepared for each site and administrative procedures were documented.

## Notification

Prior to BOSR carrying out their data collection, the Highway Safety Office Administrator notified city and county law enforcement agencies and the state patrol to ensure that appropriate officials in each site area would be aware of the project's purpose and dates and times of planned data collection. The administrator worked with the traffic engineering department to secure a letter for data collectors to present to law enforcement if questioned during the data collection period. NDOT worked with local divisions to ensure personnel were notified.

## Data Collection Staff Training

BOSR employed five primary data collectors and three secondary data collectors in 2021. Primary data collectors were responsible for between 21 and 41 sites each. Secondary data collectors were assigned six, seven and nine sites respectively. Quality Control functions were carried out by one BOSR staff member.

BOSR conducted a single-day project training which was held remotely through a Zoom meeting on June 1, 2021. (See the agenda in Figure 1.) The training session covered data collection protocols including: how to find the observation sites; choosing an observation location; how to properly collect data; defining seat belt "use," "nonuse," and "use unknown"; what to do if data cannot be collected at a site due to road construction, weather, or other circumstances; and the appropriate management and submission of collected data. Because of the ongoing COVID-19 pandemic at the time, COVID-19 safety training and protocols were also included in the 2021 project training. Roadside safety training was also provided, though, due to COVID-19, the project training did not include field exercises.

Responsibilities of Quality Control (QC) monitors were also reviewed at the training. QC duties include conducting unannounced site visits to a minimum of two sites for each Data Collector (10% of the total sites) and reviewing the Data Collector's field protocol. The QC Monitor met with the Data Collectors in the field to answer questions and to offer assistance as needed.

Data Collectors were instructed as to the use of their provided materials. Data Collectors were instructed to wear their bright yellow safety vests during data collection, for instance, and to use their car's flashing lights and a light to place on top of their vehicles as needed for safety. They were also instructed in the use of their clicker counters. They were instructed to use personal phones and stop watches for timekeeping. Data Collectors were provided with and instructed in the use of "Survey Crew Ahead" signs for high speed areas and sites that did not afford adequate sidewalk or pedestrian space.

### Figure 1. Seat Belt Data Collectors 2021 Training Agenda

Tuesday, June 1

Seat Belt Survey Overview
Study Design
NHTSA Requirements
Data Collection Requirements
Definitions of terms
Data Collection Procedures
Assignments & Rescheduling
Site Locations
Low/High volume roadways
Locating assigned sites
Site assignment sheets & maps
Discussing how to do correct observations
Data Collection
Data Collection & Observation forms
Recording observations
Recording alternate site information
Traffic Counts
Safety Training
Signage and visibility
Roadway safety
Setting up road work signs
Quality Control and QC monitoring
COVID-19 Safety Precautions

## Observation Protocols and Procedures

All passenger vehicles, including commercial vehicles weighing less than 10,000 pounds, were eligible for observation. Data Collectors completed two forms in the field, the Observation Site Form and the Observation Count Form, which are shown in Appendices A and B. The Observation Site Form documented descriptive information about each site. Data Collectors recorded information including observation date, site location and number, alternative site data, traffic directions and lanes available and observed, start and end times for observations, and weather conditions. They were also encouraged to include notes on best parking locations, best observation locations, and any other unique situations or issues that arose.

The Observation Count Form was used to mark seat belt use/non-use/unknown use for drivers and right front passengers. Using the Observation Count Form, seat belt use observations were made of all passenger vehicle drivers and right front seat occupants in the selected lane(s). The only right front seat occupants excluded from the study were child passengers traveling in child seats with harness straps. If there was no passenger in the right front seat of an observed vehicle, that information was also noted on the Observation Count Form.

**Seat Belt use categories** - Data Collectors recorded belt use for the driver and right front seat passenger using the definitions shown in Figure 1 below, which were provided in the federal regulations for this study.

**Figure 1.**

Code	Meaning	Definition
Y	Yes, belted	The shoulder belt is in front of the person's shoulder.
N	No, unbelted	The shoulder belt is not in front of the person's shoulder.
U	Unknown	It cannot reasonably be determined whether the driver or right front passenger is belted.
NP	No passenger	There is no right front passenger present.

## Scheduling

Sites were observed by one to four data collectors based on each site's 2020 observation numbers. Observations were to start at the assigned times, as much as possible, and to continue for exactly 45 minutes. The site order for each day were flipped compared to the 2020 observation schedule in order to observe the same sites at different times per day.

After processing the initial data collected, the standard errors were deemed too large. As a result, five counties were revisited in September until enough observations were collected that the standard errors were within the NHTSA accepted range.

## Observations

The direction of travel was randomly assigned, though Data Collectors were allowed to observe the other direction as safety concerns or windshield glare dictated. Deviations from the randomly assigned direction were noted on the Observation Site Form. Data Collectors were allowed to observe as many lanes and directions of traffic as they were able to successfully observe. Lower volume roadways, such as county roads and streets, were observed from a field drive or other location where Data Collectors could safely move their vehicles from the roadway.

Whenever possible, observations for high-volume, limited access roadways were made from an overpass. Observing from an overpass allowed for comparatively easy viewing of seat belt use for both the driver and the passenger. Gravel road overpasses were preferred because of the low traffic volume, reducing safety hazards to the data collector. In some instances, observing from an overpass required moving the observation point from the specific road segment by a couple of miles; however, because of the limited exit and entrance to these roadways, there were no significant changes to the observed vehicles between the assigned road segment and the observation point.

If a low volume overpass was not available, Data Collectors were allowed to observe traffic at an exit ramp or rest stop. In these cases, because the exit ramp/rest stop samples only a portion of the traffic passing on the main highway, an additional traffic volume count was required in order to adjust for reduced traffic. Only one rest stop exit ramp was used in 2021. The Data Collector completed a 45-minute observation period at an exit ramp. This traffic count information was recorded on the Observation Site Form and was used to adjust the seat belt usage observation data.

### Alternate Sites

If unexpected construction or difficulty in locating a useable and safe place to observe required the Data Collector to deviate further than 2 miles (or more than one block within a city) from the selected road segment, the Data Collector was instructed to call the office before proceeding and to note the location as an alternate site on the Observation Site form. For the 2021 data collection, no unanticipated alternate sites were needed.

### Rescheduling

If an assigned road segment was temporarily unavailable due to a traffic accident or inclement weather, data collection was to be rescheduled to the following week on the same day and at the same time. In 2021, only two sites were rescheduled due to inclement weather. As a result, data were collected at these two sites on the same day of the week and at the same time of day during the following week.

### Questions

Any questions regarding this report or the data collected can be directed to the Bureau of Sociological Research at the University of Nebraska-Lincoln by calling (402) 472-3672 or by sending an e-mail to [bosr@unl.edu](mailto:bosr@unl.edu).

## Results

Data collection for 2021 occurred from Monday, June 7 through Tuesday, September 28, 2021. The 2021 seat belt use data collection resulted in the observation of **31,137 passenger vehicles**, with a right front seat passenger in 7,026 of those vehicles, for a total of **38,163 potential observations** of belt use. Of these 38,163 potential observations, there were 26,095 drivers and 5,908 right front passengers who were observed to be wearing seat belts (total 32,003 seat belt users). Seat belts were not worn by 4,291 drivers and 995 right front passengers (total 5,286 unbelted). Data collectors were unable to observe the seat belt use of 751 drivers and 123 passengers (total 874 unknown use).

The **unknown use, or “nonresponse rate,”** is **.0229 or 2.29%**. This is well within the range allowed by federal regulations, which require the nonresponse rate to be below 10%.

Federal regulations require a minimum of 7,500 observations, and the 2021 total of 31,137 passenger vehicles with 38,163 observed occupants exceeds the minimum requirement.

Quality control checks were completed with each of the seven primary Data Collectors to ensure compliance with project protocols. All Data Collectors were observed at two sites. In total, quality control checks were conducted at 15.3% of the sites (11 out of 72), exceeding the federal regulation that a minimum of 5% of sites be subjected to such checks.

The 2021 data were weighted based on the two-stage, stratified sample design of the 2017-2021 sample. Standard errors were calculated using the SAS proc survey freq command in order to take the sample design into account. These analyses were conducted by Lindsey Witt-Swanson M.S., the Associate Director of BOSR at the University of Nebraska – Lincoln.

Based upon the weighted data, **Nebraska’s overall seat belt use rate for 2021 is 81.2%**, with an **estimated standard error of .005 or 0.5%**. This meets NHTSA’s requirement that the standard error should be less than .025. The 2021 weighted safety belt use rate is approximately 0.6 percentage points higher than 2020.

## Tables and Appendices

Table 1 shows statewide weighted Nebraska Safety Belt Use, excluding unknown cases, for 2021.

Table 2 lists the 72 observation sites with selected characteristics and the number of belted drivers and right front passengers for each site. These data are unweighted.

Tables 3 and 4 show the seat belt use of drivers and passengers by county. Table 3 contains the number or count of each category of belt use by drivers, passengers, and total for each sampled county. Table 4 contains two types of unweighted percentages of belt use for drivers, passengers, and combined total for each county. The “% of Total Belted” is the percent of the total number of persons (both drivers and passengers) who were belted. The “% of Known Belted” removes the persons with unknown belt use from the base number, so it becomes the percent of persons with known seat belt status who were belted. Note that these percentages are unweighted and the statewide seat belt use percentage is slightly different than the weighted seat belt use percentage required by federal regulations for reporting. Nevertheless, the unweighted percentages in Table 4 enable legitimate comparisons between seat belt users/nonusers and between counties.

Tables 5 and 6 show the seat belt use of drivers and passengers by road type. Table 4 contains the number in each category and Table 5 contains unweighted percentages. Federal regulations required the new survey plan to classify road types as primary (including interstates), secondary, and local.

Table 7 contains seat belt use of drivers and passengers by day of the week. The percentages included in the table are unweighted.

Table 8 contains seat belt use of drivers and passengers by time of day. The percentages included in the table are unweighted.

Table 9 contains sample weights for each observation site as well as seat belt use for drivers and passengers (number or count). This information is used for Part B reporting purposes. It is also provided in an Excel file accompanying this report.

Appendix A. Observation Site Form

Appendix B. Observation Count Form

Appendix C. AAPOR Transparency Initiative Immediate Disclosure Items



**Table 1. 2021 Nebraska Safety Belt Use, weighted and excluding “unknown” cases**

Sample Division	N	2021 Belted Estimate (S.E. in Parentheses)	95% CI Lower	95% CI Upper
Total Sample	37289	0.812 (0.005)	0.802	0.822
Drivers	30386	0.814 (0.005)	0.804	0.824
Passengers	6903	0.809 (0.011)	0.788	0.832

**Table 2. 2021 Seat Belt Usage**

Site #	County	Road Name	Road Type	Day	Start Time	Vehicle Count	Drivers Belted	Passenger Count	Passenger Belted
1001	Buffalo	US Hwy 183	Secondary	Fri	3:45 PM	22	15	5	3
1002	Buffalo	US Hwy 183	Secondary	Fri	2:40 PM	20	14	4	3
1003	Buffalo	I- 80	Primary	Fri	1:40 PM	777	662	336	290
1004	Buffalo	E 25th St	Secondary	Fri	11:15 AM	467	301	97	56
1005	Buffalo	I- 80	Primary	Fri	9:38 AM	758	644	264	217
1006	Buffalo	State Hwy 10	Secondary	Fri	8:30 AM	125	98	16	13
2001	Cheyenne	US Hwy 385	Secondary	Thurs	3:25 PM	76	63	22	19
2002	Cheyenne	I- 80	Primary	Thurs	2:00 PM	259	217	112	92
2003	Cheyenne	US Hwy 30	Secondary	Thurs	11:40 AM	45	29	4	4
2004	Cheyenne	Upland Pkwy	Secondary	Thurs	10:35 AM	180	130	44	33
2005	Cheyenne	I- 80	Primary	Thurs	9:25 AM	243	182	100	73
2006	Cheyenne	I- 80	Primary	Thurs	8:10 AM	197	154	84	70
3001	Dodge	US Hwy 275	Secondary	Wed	3:50 PM	262	234	53	50
3002	Dodge	US Hwy 275	Secondary	Wed	2:00 PM and 2:15 PM	237	206	33	30
3003	Dodge	US Hwy 275	Secondary	Wed	12:15 PM and 12:30 PM	293	241	32	27
3004	Dodge	State Hwy 91	Secondary	Wed	11:15 AM and 11:30 AM	130	114	12	12
3005	Dodge	State Hwy 79	Secondary	Wed	10:15 AM and 10:30 AM	47	36	1	1
3006	Dodge	N Broad St	Secondary	Wed	8:55 AM and 9:10 AM	372	309	53	47
4001	Douglas	NHWS Cleveland Blvd	Local	Tues	3:55 PM and 4:00 PM	79	68	14	12
4002	Douglas	Blair High Rd	Secondary	Tues	2:45 PM and 2:57 PM	1269	1012	190	157
4003	Douglas	Blair High Rd	Secondary	Tues	12:45 PM and 1:00 PM	1140	893	223	178
4004	Douglas	N 79th St	Local	Tues	11:50 AM and 12:05 PM	3	2	0	0

Site #	County	Road Name	Road Type	Day	Start Time	Vehicle Count	Drivers Belted	Passenger Count	Passenger Belted
4005	Douglas	Caldwell St	Local	Tues	10:50 AM and 11:05 AM	14	13	5	5
4006	Douglas	N 12th St	Local	Tues	10:00 AM	50	39	17	12
4007	Douglas	240th St	Secondary	Tues, Thurs	3:10 PM and 4:55 PM	1004	886	144	122
4008	Douglas	S 234th St	Local	Thurs	3:50 PM	5	5	0	0
4009	Douglas	Adams St	Local	Thurs	2:45 PM	23	17	6	3
4010	Douglas	S 156th Avenue Cir	Local	Thurs	12:50 PM	17	14	0	0
4011	Douglas	S 118th St	Local	Thurs	11:35 AM	105	82	17	9
4012	Douglas	I- 680	Primary	Tues, Thurs	10:30 AM and 12:26 PM	3074	2505	518	439
4013	Douglas	I- 80	Primary	Tues, Wed	1:46 PM and 3:29 PM	3709	3205	611	530
4014	Douglas	Arbor St	Local	Wed	2:25 PM	9	7	2	2
4015	Douglas	S 4th St	Local	Wed	1:20 PM	3	2	1	1
4016	Douglas	I- 480	Primary	Tues, Wed	10:02 AM and 11:30 AM	3242	2816	529	453
4017	Douglas	S 67th St	Local	Tues, Wed	10:25 AM and 11:10 AM	611	529	94	85
4018	Douglas	S 89th Ct	Local	Wed	9:15 AM	5	3	0	0
5001	Holt	US Hwy 20	Secondary	Sat	2:25 PM	68	46	22	19
5002	Holt	US Hwy 20	Secondary	Sat	1:15 PM	86	61	27	20
5003	Holt	US Hwy 20	Secondary	Sat	11:10 AM	130	84	55	33
5004	Holt	US Hwy 20	Secondary	Sat	10:10 AM	239	142	62	37
5005	Holt	State Hwy L-45B	Secondary	Sat	9:00 AM	10	7	0	0
5006	Holt	State Hwy L-45B	Secondary	Sat	7:45 AM	17	13	7	5
6001	Lancaster	W Wittstruck Rd	Local	Mon	2:15 PM and 2:30 PM	4	3	0	0
6002	Lancaster	SW 100th St	Local	Mon	1:05 PM and 1:16 PM	9	8	1	1
6003	Lancaster	SW 100th St	Local	Mon	11:05 AM and 11:20 AM	5	3	0	0
6004	Lancaster	S 12th St	Secondary	Mon	9:45 AM and 10:00 AM	477	406	93	82
6005	Lancaster	S 35th St	Local	Mon	8:30 AM and 8:45 AM	14	13	5	4
6006	Lancaster	Aspen Canyon Rd	Local	Mon	7:25 AM and 7:30 AM	10	9	3	3
6007	Lancaster	NW 48th St	Local	Mon	1:45 PM	183	136	48	37
6008	Lancaster	W Harvest Dr	Local	Mon, Thurs	12:30 PM and 3:44 PM	36	26	6	4
6009	Lancaster	I- 80	Primary	Mon, Thurs	10:30 AM and 2:35 PM	1741	1506	557	470
6010	Lancaster	I- 80	Primary	Mon, Thurs	9:20 AM and 1:20 PM	1500	1306	577	489

Site #	County	Road Name	Road Type	Day	Start Time	Vehicle Count	Drivers Belted	Passenger Count	Passenger Belted
6011	Lancaster	David Dr	Local	Mon, Thurs	8:05 AM and 11:30 AM	4	2	0	0
6012	Lancaster	O St	Secondary	Mon, Thurs	7:00 AM and 10:35 AM	1516	1225	182	142
7001	Otoe	N 58th Rd	Secondary	Sun, Thurs	10:45 AM and 4:55 PM	187	171	69	64
7002	Otoe	J Sterling Morton Btwy	Secondary	Sun, Thurs	3:55 PM	281	237	114	104
7003	Otoe	S 48th Rd	Secondary	Sun, Thurs	2:45 PM	38	27	12	10
7004	Otoe	S 18th RD	Secondary	Sun, Thurs	1:25 PM	18	15	6	3
7005	Otoe	S 30th Rd	Secondary	Sun, Thurs	11:35 AM and 11:50 AM	159	123	43	36
7006	Otoe	State Hwy 2	Secondary	Sun, Thurs	10:30 AM and 4:55 PM	315	271	112	97
8001	Sarpy	I- 80	Primary	Fri	5:15 PM	2238	1952	733	621
8002	Sarpy	Shamrock Rd	Local	Fri	4:00 PM and 4:15 PM	16	15	1	1
8003	Sarpy	State Hwy 370	Secondary	Fri	2:55 PM and 3:10 PM	1352	1100	244	204
8004	Sarpy	Barksdale Dr	Local	Fri	1:40 PM and 1:55 PM	16	15	2	2
8005	Sarpy	Eagle Crest Dr	Local	Fri	11:45 AM and 12:00 PM	22	21	6	5
8006	Sarpy	S 93rd St	Local	Fri	10:30 AM and 10:45 AM	7	6	0	0
9001	Seward	I- 80	Primary	Tues	5:05 PM	378	330	78	66
9002	Seward	5th St	Secondary	Tues	4:00 PM	125	104	31	24
9003	Seward	I-80 exit ramp	Primary	Tues	3:05 PM	683	643	202	202
9004	Seward	McKelvie Rd/Hwy 34	Secondary	Tues	1:45 PM	170	143	34	28
9005	Seward	Alvo Rd/Hwy 34	Secondary	Tues	11:50 AM	147	126	32	29
9006	Seward	154th	Secondary	Tues	10:30 AM	64	53	19	18
<b>Totals</b>						<b>31137</b>	<b>26095</b>	<b>7026</b>	<b>5908</b>

**Table 3. 2021 Driver and Passenger Seat Belt Use by County (n)**

County	Drivers				Right Front Passengers				TOTAL			
	Total	Belted	Not Belted	Un-known	Total	Belted	Not Belted	Un-known	Total	Belted	Not Belted	Un-known
Buffalo	2169	1734	412	23	722	582	140	0	2891	2316	552	23
Cheyenne	1000	775	211	14	366	291	75	0	1366	1066	286	14
Dodge	1341	1140	187	14	184	167	16	1	1525	1307	203	15
Douglas	14362	12098	1869	395	2371	2008	312	51	16733	14106	2181	446
Holt	550	353	195	2	173	114	59	0	723	467	254	2
Lancaster	5499	4643	774	82	1472	1232	222	18	6971	5875	996	100
Otoe	998	844	97	57	356	314	28	14	1354	1158	125	71
Sarpy	3651	3109	385	157	986	833	114	39	4637	3942	499	196
Seward	1567	1399	161	7	396	367	29	0	1963	1766	190	7
<b>Total</b>	<b>31137</b>	<b>26095</b>	<b>4291</b>	<b>751</b>	<b>7026</b>	<b>5908</b>	<b>995</b>	<b>123</b>	<b>38163</b>	<b>32003</b>	<b>5286</b>	<b>874</b>

**Table 4. 2021 Driver and Passenger Seat Belt Use by County (unweighted percentages)**

County	Drivers		Right Front Passengers		TOTAL	
	% of Total Belted	% of Known Belted	% of Total Belted	% of Known Belted	% of Total Belted	% of Known Belted
Buffalo	79.9%	80.8%	80.6%	80.6%	80.1%	80.8%
Cheyenne	77.5%	78.6%	79.5%	79.5%	78.0%	78.8%
Dodge	85.0%	85.9%	90.8%	91.3%	85.7%	86.6%
Douglas	84.2%	86.6%	84.7%	86.6%	84.3%	86.6%
Holt	64.2%	64.4%	65.9%	65.9%	64.6%	64.8%
Lancaster	84.4%	85.7%	83.7%	84.7%	84.3%	85.5%
Otoe	84.6%	89.7%	88.2%	91.8%	85.5%	90.3%
Sarpy	85.2%	89.0%	84.5%	88.0%	85.0%	88.8%
Seward	89.3%	89.7%	92.7%	92.7%	90.0%	90.3%
<b>Total</b>	<b>83.8%</b>	<b>85.9%</b>	<b>84.1%</b>	<b>85.6%</b>	<b>83.9%</b>	<b>85.8%</b>

**Table 5. 2021 Seat Belt Use by Road Type (n)**

Road Type	Drivers				Right Front Passengers				Total			
	Total	Belted	Not Belted	Un-known	Total	Belted	Not Belted	Un-known	Total	Belted	Not Belted	Un-known
Local	1250	1038	176	36	228	186	28	14	1478	1224	204	50
Primary	18799	16122	2261	416	4701	4012	619	70	23500	20134	2880	486
Secondary	11088	8935	1854	299	2097	1710	348	39	13185	10645	2202	338
<b>TOTAL</b>	<b>31137</b>	<b>26095</b>	<b>4291</b>	<b>751</b>	<b>7026</b>	<b>5908</b>	<b>995</b>	<b>123</b>	<b>38163</b>	<b>32003</b>	<b>5286</b>	<b>874</b>

**Table 6. 2021 Seat Belt Use by Road Type (unweighted percentages)**

Road Type	Drivers		Right Front Passengers		Total	
	% of Total Belted	% of Known Belted	% of Total Belted	% of Known Belted	% of Total Belted	% of Known Belted
Local	83.0%	85.5%	81.6%	86.9%	82.8%	85.7%
Primary	85.8%	87.7%	85.3%	86.6%	85.7%	87.5%
Secondary	80.6%	82.8%	81.5%	83.1%	80.7%	82.9%
<b>TOTAL</b>	<b>83.8%</b>	<b>85.9%</b>	<b>84.1%</b>	<b>85.6%</b>	<b>83.9%</b>	<b>85.8%</b>

**Table 7. 2021 Driver and Passenger Seat Belt Use by Day of Week (n & unweighted %)**

	Drivers Belted	Total Drivers	Passengers Belted	Total Passengers	% Drivers Belted	% Passengers Belted
Sunday	510	648	222	262	78.70%	84.73%
Monday	3378	4066	903	1079	83.08%	83.69%
Tuesday	6193	7240	1315	1481	85.54%	88.79%
Wednesday	6044	7045	883	1028	85.79%	85.89%
Thursday	4774	5768	1056	1295	82.77%	81.54%
Friday	4843	5820	1415	1708	83.21%	82.85%
Saturday	353	550	114	173	64.18%	65.90%
<b>TOTAL</b>	<b>26095</b>	<b>31137</b>	<b>5908</b>	<b>7026</b>	<b>83.81%</b>	<b>84.09%</b>

**Table 8. 2021 Driver and Passenger Seat Belt Use by Time of Day (n & unweighted %)**

	Drivers Belted	Total Drivers	Passengers Belted	Total Passengers	% Drivers Belted	% Passengers Belted
<b>TOTAL</b>						
7AM to 759AM	871	1073	74	92	81.17%	80.43%
8AM to 859AM	266	340	88	107	78.24%	82.24%
9AM to 959AM	1452	1751	489	593	82.92%	82.46%
10AM to 1059AM	5467	6761	1268	1568	80.86%	80.87%
11AM to 1159AM	3327	3972	563	694	83.76%	81.12%
12PM to 1259PM	1232	1441	249	269	85.50%	92.57%
1PM to 159PM	1490	1842	363	447	80.89%	81.21%
2PM to 259PM	2562	2918	766	879	87.80%	87.14%
3PM to 359PM	5784	6830	1040	1193	84.69%	87.18%
4PM to 459PM	604	718	168	194	84.12%	86.60%
5PM to 559PM	3040	3491	840	990	87.08%	84.85%
<b>Total</b>	<b>26095</b>	<b>31137</b>	<b>5908</b>	<b>7026</b>	<b>83.81%</b>	<b>84.09%</b>

**Table 9. Sample Weights and Seat Belt Use by Observation Site: Part B Reporting Data (n)**

Site ID	Site Type	Date Observed	Sample Weight	Number of Drivers	Number of Front Passengers	Number of Occupants Belted	Number of Occupants Unbelted	Number of Occupants Unknown Belt Use
1001	Original	6/18/2021	239.75	22	5	18	9	0
1002	Original	6/18/2021	142.28	20	4	17	7	0
1003	Original	6/18/2021	328.25	777	336	952	152	9
1004	Original	6/18/2021	3586.29	467	97	357	201	6
1005	Original	6/18/2021	93.59	758	264	861	155	6
1006	Original	6/18/2021	668.18	125	16	111	28	2
2001	Original	6/17/2021	625.85	76	22	82	15	1
2002	Original	6/17/2021	262.8	259	112	309	59	3
2003	Original	6/17/2021	257.85	45	4	33	16	0
2004	Original	6/17/2021	564.32	180	44	163	59	2
2005	Original	6/17/2021	96.58	243	100	255	83	5
2006	Original	6/17/2021	193.88	197	84	224	54	3
3001	Original	6/9/2021 and 9/15/2021	114.9	262	53	284	30	1
3002	Original	6/9/2021 and 9/15/2021	259.65	237	33	236	31	3
3003	Original	6/9/2021 and 9/15/2021	125.84	293	32	268	52	5
3004	Original	6/9/2021 and 9/15/2021	362.35	130	12	126	14	2
3005	Original	6/9/2021 and 9/15/2021	272.65	47	1	37	11	0
3006	Original	6/9/2021 and 9/15/2021	9203.27	372	53	356	65	4
4001	Original	6/15/2021 and 9/14/2021	5338.03	79	14	80	9	4
4002	Original	6/15/2021 and 9/14/2021	126.73	1269	190	1169	251	39
4003	Original	6/15/2021 and 9/14/2021	1021.36	1140	223	1071	253	39
4004	Original	6/15/2021 and 9/14/2021	1964.77	3	0	2	1	0
4005	Original	6/15/2021 and 9/14/2021	3823.52	14	5	18	1	0
4006	Original	6/15/2021	4458.09	50	17	51	11	5

Site ID	Site Type	Date Observed	Sample Weight	Number of Drivers	Number of Front Passengers	Number of Occupants Belted	Number of Occupants Unbelted	Number of Occupants Unknown Belt Use
4007	Original	6/10/2021 and 9/28/2021	151.69	1004	144	1008	117	23
4008	Original	6/10/2021	2673.83	5	0	5	0	0
4009	Original	6/10/2021	3360.2	23	6	20	9	0
4010	Original	6/10/2021	3912.05	17	0	14	2	1
4011	Original	6/10/2021	1273.98	105	17	91	15	16
4012	Original	6/10/2021 and 9/28/2021	49.62	3074	518	2944	499	149
4013	Original	6/9/2021 and 9/28/2021	36.54	3709	611	3735	519	66
4014	Original	6/9/2021	3851.98	9	2	9	2	0
4015	Original	6/9/2021	6085.11	3	1	3	1	0
4016	Original	6/9/2021 and 9/28/2021	91.44	3242	529	3269	411	91
4017	Original	6/9/2021 and 9/28/2021	2874.84	611	94	614	78	13
4018	Original	6/9/2021	6286.02	5	0	3	2	0
5001	Original	6/12/2021	331.52	68	22	65	24	1
5002	Original	6/12/2021	1153.91	86	27	81	32	0
5003	Original	6/12/2021	992.05	130	55	117	68	0
5004	Original	6/12/2021	4404.28	239	62	179	121	1
5005	Original	6/12/2021	657.34	10	0	7	3	0
5006	Original	6/12/2021	1125.66	17	7	18	6	0
6001	Original	6/7/2021 and 9/13/2021	347.38	4	0	3	1	0
6002	Original	6/7/2021 and 9/13/2021	1351.46	9	1	9	1	0
6003	Original	6/7/2021 and 9/13/2021	990.03	5	0	3	2	0
6004	Original	6/7/2021 and 9/13/2021	112.54	477	93	488	54	28
6005	Original	6/7/2021 and 9/13/2021	2741.66	14	5	17	2	0
6006	Original	6/7/2021 and 9/13/2021	1712.99	10	3	12	1	0
6007	Original	6/14/2021	635.67	183	48	173	48	10

Site ID	Site Type	Date Observed	Sample Weight	Number of Drivers	Number of Front Passengers	Number of Occupants Belted	Number of Occupants Unbelted	Number of Occupants Unknown Belt Use
6008	Original	6/14/2021 and 9/23/2021	7003.57	36	6	30	11	1
6009	Original	6/14/2021 and 9/23/2021	111.82	1741	557	1976	299	23
6010	Original	6/14/2021 and 9/23/2021	29.61	1500	577	1795	257	25
6011	Original	6/14/2021 and 9/23/2021	3330	4	0	2	2	0
6012	Original	6/14/2021 and 9/23/2021	1389.84	1516	182	1367	318	13
7001	Original	6/13/2021 and 9/16/2021	350.91	187	69	235	16	5
7002	Original	6/13/2021 and 9/16/2021	464.98	281	114	341	22	32
7003	Original	6/13/2021 and 9/16/2021	498.94	38	12	37	12	1
7004	Original	6/13/2021 and 9/16/2021	1337.52	18	6	18	5	1
7005	Original	6/13/2021 and 9/16/2021	1490.64	159	43	159	31	12
7006	Original	6/13/2021 and 9/16/2021	228.47	315	112	368	39	20
8001	Original	6/11/2021	516.06	2238	733	2573	295	103
8002	Original	6/11/2021 and 9/17/2021	3159.76	16	1	16	1	0
8003	Original	6/11/2021 and 9/17/2021	493.68	1352	244	1304	199	93
8004	Original	6/11/2021 and 9/17/2021	1607.22	16	2	17	1	0
8005	Original	6/18/2021 and 9/17/2021	4850.46	22	6	26	2	0
8006	Original	6/18/2021 and 9/17/2021	3979.45	7	0	6	1	0
9001	Original	6/15/2021	291.85	378	78	396	57	3



Site ID	Site Type	Date Observed	Sample Weight	Number of Drivers	Number of Front Passengers	Number of Occupants Belted	Number of Occupants Unbelted	Number of Occupants Unknown Belt Use
9002	Original	6/15/2021	648.51	125	31	128	28	0
9003	Original	6/15/2021	411.86	683	202	845	40	0
9004	Original	6/15/2021	124.84	170	34	171	31	2
9005	Original	6/15/2021	127.2	147	32	155	22	2
9006	Original	6/25/2021	626.68	64	19	71	12	0
<b>TOTALS</b>				<b>31137</b>	<b>7026</b>	<b>32003</b>	<b>5286</b>	<b>874</b>
<b>Standard Error of Statewide Belt Use Rate</b>					<b>0.5%</b>			
<b>Nonresponse Rate for the Survey Variable Seat Belt Use</b>					<b>2.29%</b>			

## Nebraska Seat Belt Survey

### Site Form

Data Collector: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / 2021

#### Site Identification:

County: «County»	ID:
Road Name: «Road_name911»	County Site #: «County_map_inset_»

#### Site Start and End Time:

Start time for observations: _____ am/pm
End time for observations: _____ am/pm
(Total observation period MUST last exactly 45 minutes)

#### Site Description:

Selected traffic flow direction: North South East West
Total number of lanes in selected direction: _____
Weather Conditions: Clear Cloudy/PC Light Fog Light Rain

#### Alternate Site Information:

Is this an alternate site (not including a recommended observation point)?	No	Yes
If yes, why was an alternate site needed?	_____	

#### Traffic Count:

Is a traffic count required (exit ramp or rest stop)?	No	Yes
If yes, Number of Cars: _____	Duration: _____	

**Nebraska Seat Belt Survey – Observation Count Form**

County: \_\_\_\_\_

Page \_\_\_ of \_\_\_

County site #: \_\_\_\_\_

ID #: \_\_\_\_\_

Data Collector ID# \_\_\_\_\_

**Responses: Y = Yes, N = No, U = Unknown, NP = No Passenger**

VEHICLE NUMBER	DRIVER SEATBELT USE			PASSENGER SEATBELT USE			
	Y	N	U	Y	N	U	NP
1	Y	N	U	Y	N	U	NP
2	Y	N	U	Y	N	U	NP
3	Y	N	U	Y	N	U	NP
4	Y	N	U	Y	N	U	NP
5	Y	N	U	Y	N	U	NP
6	Y	N	U	Y	N	U	NP
7	Y	N	U	Y	N	U	NP
8	Y	N	U	Y	N	U	NP
9	Y	N	U	Y	N	U	NP
10	Y	N	U	Y	N	U	NP
11	Y	N	U	Y	N	U	NP
12	Y	N	U	Y	N	U	NP
13	Y	N	U	Y	N	U	NP
14	Y	N	U	Y	N	U	NP
15	Y	N	U	Y	N	U	NP
16	Y	N	U	Y	N	U	NP
17	Y	N	U	Y	N	U	NP
18	Y	N	U	Y	N	U	NP
19	Y	N	U	Y	N	U	NP
20	Y	N	U	Y	N	U	NP
21	Y	N	U	Y	N	U	NP
22	Y	N	U	Y	N	U	NP
23	Y	N	U	Y	N	U	NP
24	Y	N	U	Y	N	U	NP
25	Y	N	U	Y	N	U	NP
26	Y	N	U	Y	N	U	NP
27	Y	N	U	Y	N	U	NP
28	Y	N	U	Y	N	U	NP
29	Y	N	U	Y	N	U	NP
30	Y	N	U	Y	N	U	NP
31	Y	N	U	Y	N	U	NP
32	Y	N	U	Y	N	U	NP
33	Y	N	U	Y	N	U	NP
34	Y	N	U	Y	N	U	NP
35	Y	N	U	Y	N	U	NP
36	Y	N	U	Y	N	U	NP
37	Y	N	U	Y	N	U	NP
38	Y	N	U	Y	N	U	NP
39	Y	N	U	Y	N	U	NP
40	Y	N	U	Y	N	U	NP

VEHICLE NUMBER	DRIVER SEATBELT USE			PASSENGER SEATBELT USE			
	Y	N	U	Y	N	U	NP
41	Y	N	U	Y	N	U	NP
42	Y	N	U	Y	N	U	NP
43	Y	N	U	Y	N	U	NP
44	Y	N	U	Y	N	U	NP
45	Y	N	U	Y	N	U	NP
46	Y	N	U	Y	N	U	NP
47	Y	N	U	Y	N	U	NP
48	Y	N	U	Y	N	U	NP
49	Y	N	U	Y	N	U	NP
50	Y	N	U	Y	N	U	NP
51	Y	N	U	Y	N	U	NP
52	Y	N	U	Y	N	U	NP
53	Y	N	U	Y	N	U	NP
54	Y	N	U	Y	N	U	NP
55	Y	N	U	Y	N	U	NP
56	Y	N	U	Y	N	U	NP
57	Y	N	U	Y	N	U	NP
58	Y	N	U	Y	N	U	NP
59	Y	N	U	Y	N	U	NP
60	Y	N	U	Y	N	U	NP
61	Y	N	U	Y	N	U	NP
62	Y	N	U	Y	N	U	NP
63	Y	N	U	Y	N	U	NP
64	Y	N	U	Y	N	U	NP
65	Y	N	U	Y	N	U	NP
66	Y	N	U	Y	N	U	NP
67	Y	N	U	Y	N	U	NP
68	Y	N	U	Y	N	U	NP
69	Y	N	U	Y	N	U	NP
70	Y	N	U	Y	N	U	NP
71	Y	N	U	Y	N	U	NP
72	Y	N	U	Y	N	U	NP
73	Y	N	U	Y	N	U	NP
74	Y	N	U	Y	N	U	NP
75	Y	N	U	Y	N	U	NP
76	Y	N	U	Y	N	U	NP
77	Y	N	U	Y	N	U	NP
78	Y	N	U	Y	N	U	NP
79	Y	N	U	Y	N	U	NP
80	Y	N	U	Y	N	U	NP

## Appendix C. AAPOR Transparency Initiative Immediate Disclosure Items

1. Who sponsored the research study. **Introduction**
2. Who conducted the research study. **Introduction**
3. The unit of analysis (e.g., a news article, broadcast, tweet, or blog posting). **Preparation; Observation Protocols and Procedures**
4. Dates of data collection. **Table 9**
5. A description of how the content analyzed was collected or obtained. This will include the source(s) used, how much content was analyzed (e.g., number and average length of articles, tweets or blog postings, news broadcasts), dates analyzed, and criteria or decision rules used to include or exclude elements of content. **Preparation; Observation Protocols and Procedures; Table 9**
6. The sampling approach used. If a census of the target population of content was used, that will be explicitly stated. **Preparation; Observation Protocols and Procedures; Results**
7. A description of how the weights were calculated, including the variables used and the sources of weighting parameters, if weighted estimates are reported. **Results**
8. Contact for obtaining more information about the study. **Questions**