



# Ohio Department of Public Safety Ohio Traffic Safety Office Grantee Observation Surveys of Seat Belt Use 2008



The Ohio Traffic Safety Office (OTSO) required that its 2007-2008 Safe Communities, law enforcement, and occupant protection grant recipients conduct observation surveys of seat belt use in their respective Ohio counties. The required surveys conducted at selected sites are a major component of the ongoing OTSO commitment to reduce highway fatalities and serious injuries throughout Ohio by increasing seat belt use. The two surveys were scheduled as follows: Data used for the Baseline Survey was conducted during the 2007 evaluation. The next survey was initiated during June, 2008 and concurrently with OTSO Earned Media, Paid Media, and Law Enforcement initiatives to increase seat belt use throughout Ohio. The follow-up survey was scheduled during September of 2008. The OTSO grantees conducted 163,918 surveys of occupant seat belt use, including 137,441 driver and 26,477 passenger surveys. The accompanying figures and tables contain all data from the three surveys and depict seat belt use rates for all front seat vehicle occupants, drivers, and passengers Statewide and for each of the participating Counties served by the OTSO grant recipients.

The grantee survey results indicate an un-weighted statewide seat belt use rate of 77%. It is important to emphasize the 70% rate obtained through the grantee survey **does not** replace or replicate Ohio's annual observational survey which adheres to rigorous guidelines set by the National Highway Traffic Safety Administration (NHTSA). For Ohio's annual statewide observation survey, all observation sites were randomly selected intersections and off-ramps from each of the five geographic regions of the state and all sites had *an equal probability of selection*. In contrast, the present grantee survey did not fully adhere to those methodological standards. For instance, while some of the grantee sites were included in the statewide survey, some were randomly selected by the Miami University Evaluator, and other sites were selected based on grantee programmatic or judgmental criteria and human resource constraints. Consequently, the following data can be and should be interpreted and used to enhance statewide, county, and local seat belt use and highway safety with those sample selection criteria in mind.<sup>1</sup>

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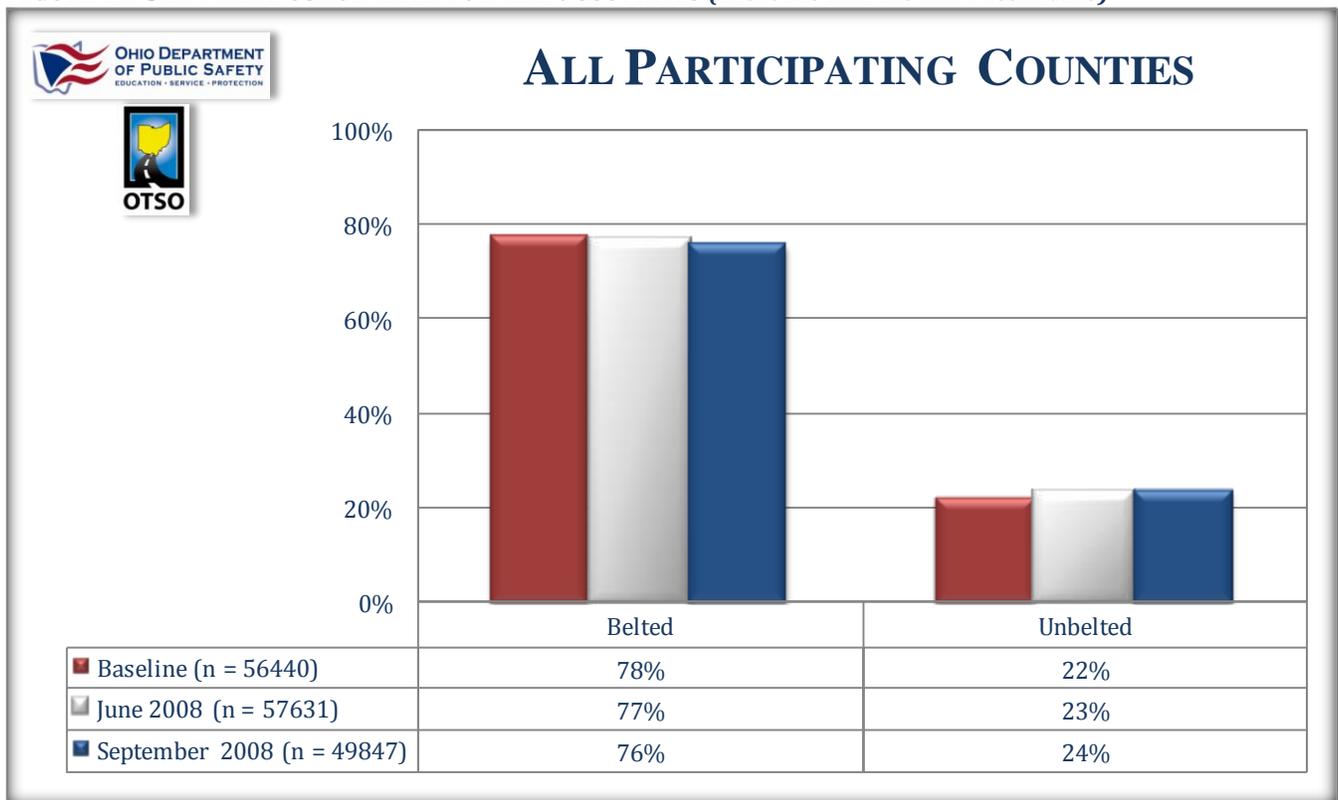
<sup>1</sup> County seat belt use data by vehicle type, sex, age, and race can be provided to GHSO grantees upon request.

## ALL PARTICIPATING COUNTIES

As reported above, OTSO grantees conducted 163,918 observation surveys of occupant seat belt use, consisting of 137,441 driver and 26,477 passenger surveys. Occupants for each survey were as follows: The Baseline Survey contained 56,440 occupants, June of 2008 had 57,631 occupants, and the September, 2008 survey included 49,847 occupants.

The overall occupant (*drivers and passengers*) seat belt usage rate for all counties combined, decreased between the Baseline and the June and September Surveys (Figure A). The usage rate fell 1% from the Baseline (78%) to the June survey (77%). The usage rate declined again to 76% for the September observation period which is well below NHTSA's target of an 85% usage rate for Ohio.

**FIGURE A: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



The overall seat belt usage rate for all counties combined was 77% for drivers and 76% for passengers (Table A). A slight decrease occurred for drivers from the Baseline Survey (78%) to the June Survey (77%). The usage rate for drivers was 76% during the September Survey.

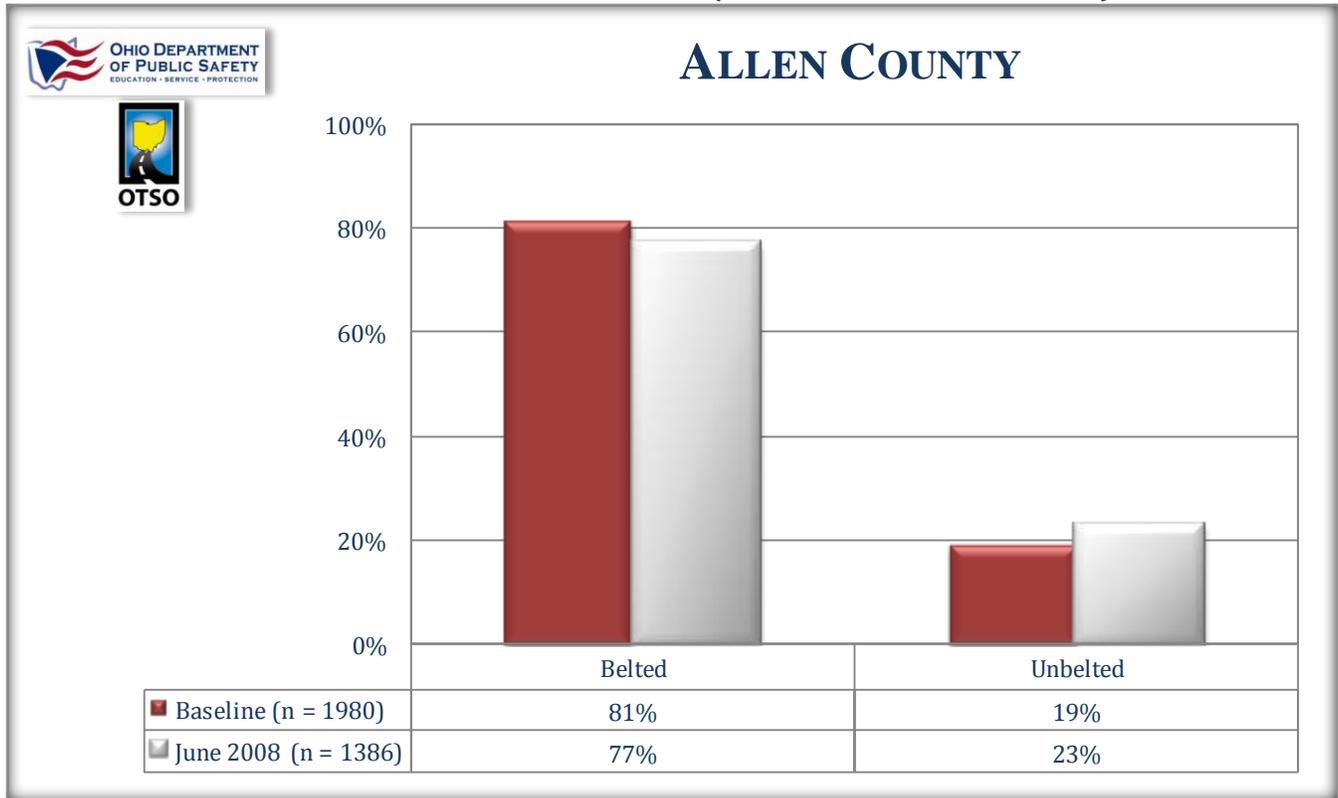
**TABLE A: CROSS-TABULATION OF ALL COUNTIES SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for All Counties</b>		<b>77%</b>	<b>23%</b>	<b>137441</b>	<b>76%</b>	<b>24%</b>	<b>26477</b>
Survey <sup>a</sup>	Baseline	78%	22%	47118	77%	23%	9322
	June 2008	77%	23%	48047	76%	24%	9584
	September 2008	76%	24%	42276	74%	26%	7571
Vehicle Type	Passenger Car	78%	22%	71146	76%	24%	13545
	Van/Minivan	82%	18%	16767	80%	20%	4130
	SUV	80%	20%	24594	81%	19%	4530
	Pickup Truck	67%	33%	24380	66%	34%	4228
Driver - Sex	Male	74%	26%	76921	75%	25%	15906
	Female	81%	19%	59984	77%	24%	10429
Driver - Age	15 - 25	69%	31%	18213	64%	36%	3746
	26 - 64	78%	23%	100408	76%	24%	18113
	64+	82%	18%	16289	86%	15%	4245
Driver - Race	Caucasian	78%	22%	124498	77%	23%	23591
	African American	67%	33%	8444	62%	39%	1702
	Other	73%	27%	1814	67%	33%	484
Passenger - Sex	Male	74%	26%	9797	67%	33%	9797
	Female	82%	18%	16551	81%	19%	16552
Passenger - Age	0 - 4	78%	23%	187	80%	20%	187
	5 - 14	80%	20%	2393	80%	21%	2393
	15 - 25	72%	28%	5792	66%	34%	5793
	26 - 64	79%	22%	13094	76%	24%	13095
	65+	88%	12%	4523	86%	14%	4522
Passenger - Race	Caucasian	80%	20%	23497	77%	23%	23491
	African American	66%	34%	1666	60%	40%	1664
	Other	73%	27%	518	67%	33%	518

## ALLEN COUNTY

Seat belt usage in Allen County for all occupants (*drivers and passengers*) decreased significantly between the 2008 Baseline and the June Survey (Figure 1). The usage rate fell 4% from the Baseline (81%) to the June survey (77%). This drop brought the average further from NHTSA's targeted usage rate of 85% for the state of Ohio. No September Surveys for this county were submitted for analysis.

**FIGURE 1: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



According to Table 1, overall, approximately 79% of both the county’s drivers and passengers were belted. There was a slight decrease in seat belt use from the 2008 Baseline (80%) to the June Survey (77%) for the drivers. A larger decrease was found for the observed passengers from the Baseline (82%) to the June Survey (75%). Targeting pickup truck drivers, males, and African American drivers as well as most passengers may increase the effectiveness of any proposed initiatives in this county.

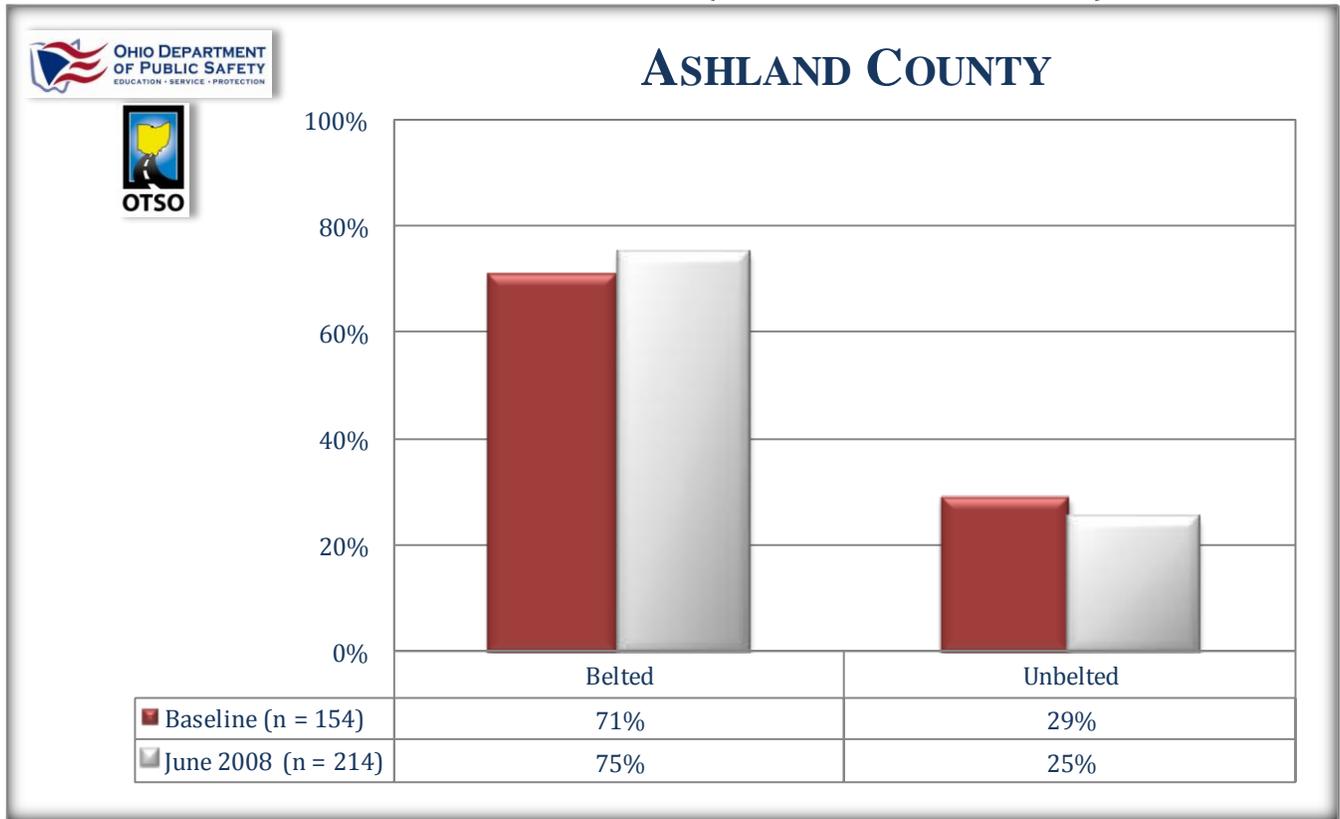
**TABLE 1: CROSS-TABULATION OF ALLEN COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS’ DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Allen County</b>		<b>79%</b>	<b>21%</b>	<b>2813</b>	<b>79%</b>	<b>21%</b>	<b>553</b>
Survey <sup>a</sup>	Baseline	80%	20%	1656	82%	19%	324
	June 2008	77%	23%	1157	75%	25%	229
Vehicle Type	Passenger Car	80%	20%	1404	78%	22%	268
	Van/Minivan	81%	19%	389	85%	15%	101
	SUV	84%	16%	455	82%	19%	81
	Pickup Truck	70%	30%	563	73%	27%	103
Driver - Sex	Male	76%	24%	1579	80%	20%	323
	Female	83%	17%	1226	77%	23%	230
Driver - Age	15 - 25	70%	31%	482	69%	32%	89
	26 - 64	80%	20%	1838	80%	20%	339
	64+	83%	17%	358	85%	15%	101
Driver - Race	Caucasian	79%	21%	2681	79%	21%	528
	African American	71%	30%	105	68%	32%	19
	Other	70%	30%	10	50%	50%	2
Passenger - Sex	Male	78%	22%	207	68%	32%	207
	Female	86%	15%	344	85%	15%	343
Passenger - Age	5 - 14	81%	19%	53	79%	21%	53
	15 - 25	77%	24%	115	70%	30%	115
	26 - 64	84%	17%	242	81%	19%	241
	65+	88%	12%	119	84%	16%	119
Passenger - Race	Caucasian	83%	17%	531	79%	21%	530
	African American	60%	40%	15	60%	40%	15
	Other	75%	25%	4	50%	50%	4

## ASHLAND COUNTY

Overall seat belt usage rates for Ashland County for all occupants (*drivers and passengers*) increased approximately 4% between the 2008 Baseline and the June Survey (Figure 2). This increase from the Baseline (71%) to the June Survey (75%) is, however, still significantly below NHTSA’s targeted usage rate of 85% for the state of Ohio. No September Surveys for this county were submitted for analysis. It should also be noted that findings for this county are based on relatively few observations.

**FIGURE 2: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 75% of the county’s observed drivers and 70% of passengers were belted (Table 2). There was a 2% increase in seat belt use between the 2008 Baseline (74%) and the June Survey (76%) for drivers. A significant increase was found between the Baseline (59%) and the June Survey (74%) for the usage rate of passengers. This seemingly high increase is however, most likely due to the small number of passengers that were observed throughout the Baseline and the June Survey. All populations would benefit from initiatives designed to increase the seat belt usage rates in Ashland County.

**TABLE 2: CROSS-TABULATION OF ASHLAND COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS’ DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Ashland County</b>		<b>75%</b>	<b>25%</b>	<b>289</b>	<b>70%</b>	<b>30%</b>	<b>79</b>
Survey <sup>a</sup>	Baseline	74%	27%	132	59%	41%	22
	June 2008	76%	24%	157	74%	26%	57
Vehicle Type	Passenger Car	80%	20%	149	69%	31%	36
	Van/Minivan	77%	23%	30	82%	18%	11
	SUV	70%	30%	57	64%	36%	14
	Pickup Truck	64%	37%	52	65%	35%	17
Driver - Sex	Male	74%	26%	145	79%	21%	52
	Female	76%	25%	143	52%	48%	27
Driver - Age	15 - 25	71%	29%	17	86%	14%	7
	26 - 64	75%	26%	247	68%	32%	65
	64+	83%	17%	24	71%	29%	7
Driver - Race	Caucasian	75%	25%	274	70%	30%	77
	African American	100%		2		100%	1
	Other		100%	1			
Passenger - Sex	Male	77%	23%	26	62%	39%	26
	Female	85%	15%	52	73%	27%	52
Passenger - Age	0 - 4	100%		1		100%	1
	5 - 14	89%	11%	9	56%	44%	9
	15 - 25	80%	20%	10	60%	40%	10
	26 - 64	80%	20%	51	73%	28%	51
	65+	86%	14%	7	86%	14%	7
Passenger - Race	Caucasian	83%	17%	70	69%	31%	70
	African American	100%		1		100%	1

## ASHTABULA COUNTY

Seat belt usage in Ashtabula County for all occupants (*drivers and passengers*) increased steadily from the 2008 Baseline to the September Survey (Figure 3). The usage rate rose 2% from the Baseline (74%) to the September survey (76%). While the usage rate increased, it was still well below NHTSA’s target of an 85% usage rate in the state of Ohio. No June Surveys for this county were submitted for analysis.

**FIGURE 3: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

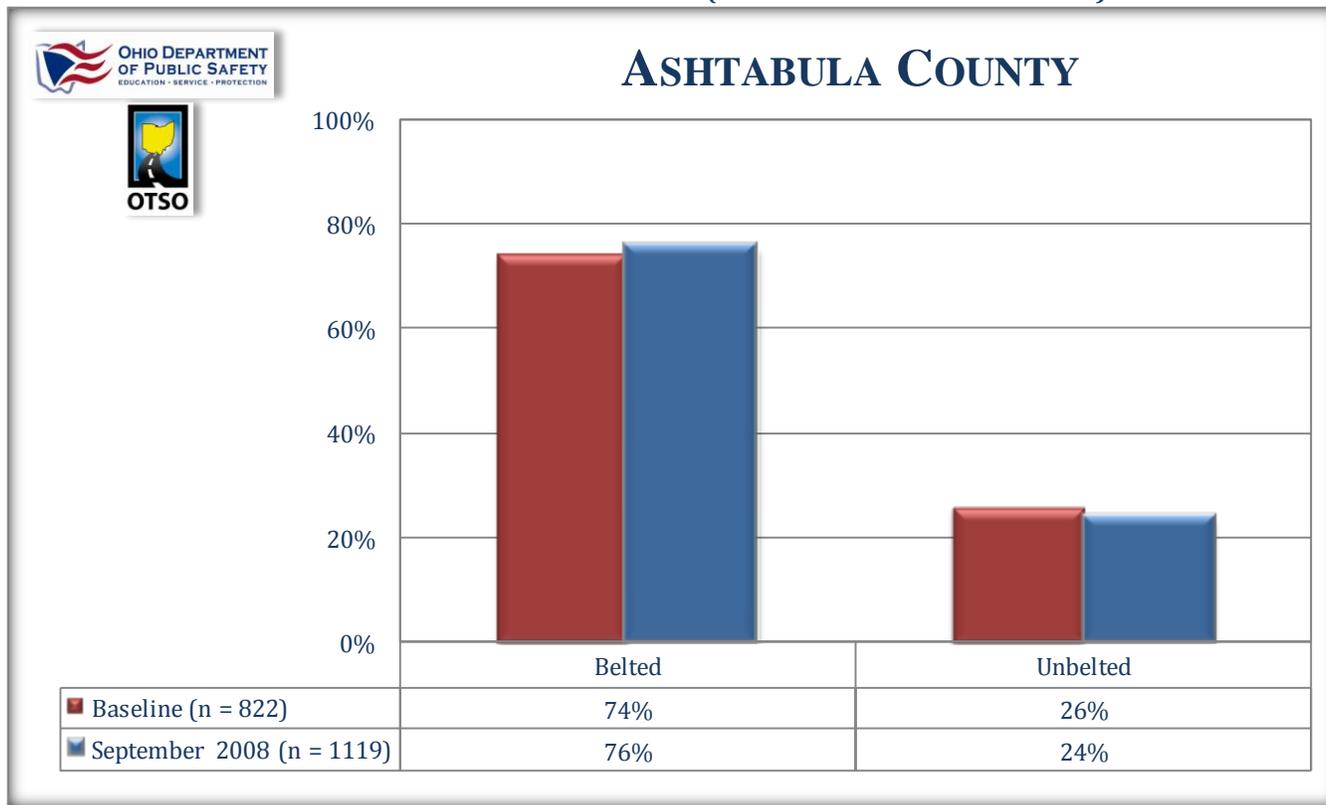


Table 3 shows that overall only 73% of the county’s observed drivers and 79% of its observed passengers were belted. A slight increase did occur in seat belt use between the 2008 Baseline (72%) and the September Survey (75%) for the drivers, while a decrease was found between the Baseline (81%) and the September Survey (78%) for the passengers. While all efforts to increase seat belt use are helpful; targeting pickup truck drivers and younger drivers should help to significantly increase usage rates in Ashtabula County.

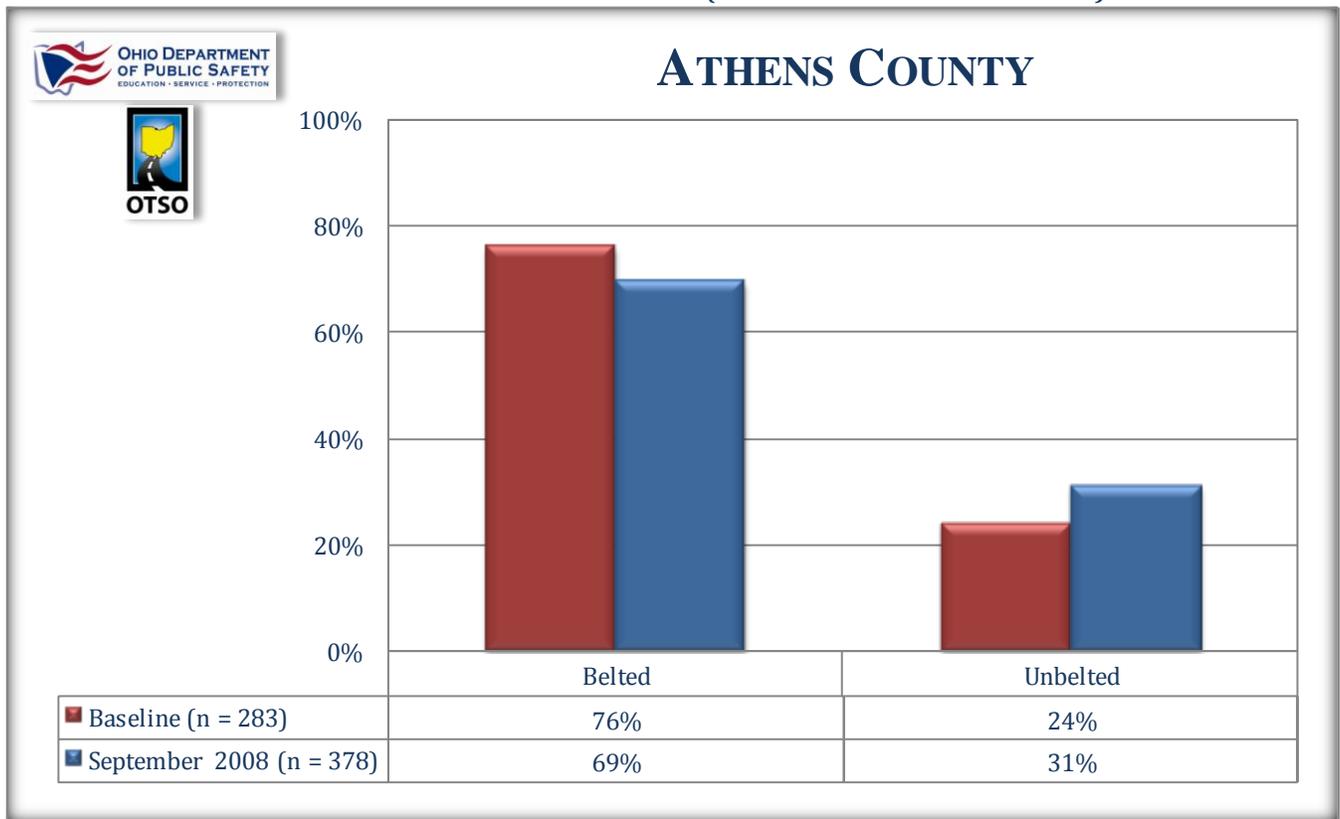
**TABLE 3: CROSS-TABULATION OF ASHTABULA COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS’ DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Ashtabula County</b>		<b>73%</b>	<b>27%</b>	<b>1412</b>	<b>79%</b>	<b>21%</b>	<b>529</b>
Survey <sup>a</sup>	Baseline	72%	28%	598	81%	19%	224
	September 2008	75%	25%	814	78%	22%	305
Vehicle Type	Passenger Car	79%	22%	716	81%	19%	303
	Van/Minivan	83%	17%	161	88%	12%	76
	SUV	77%	23%	202	79%	21%	67
	Pickup Truck	56%	44%	330	66%	34%	83
Driver - Sex	Male	74%	26%	936	82%	18%	365
	Female	72%	28%	468	73%	28%	160
Driver - Age	15 - 25	64%	36%	463	70%	30%	152
	26 - 64	77%	23%	597	84%	16%	255
	64+	80%	20%	349	80%	20%	122
Driver - Race	Caucasian	74%	26%	1300	80%	21%	479
	African American	69%	31%	58	83%	17%	23
	Other	65%	35%	40	77%	24%	17
Passenger - Sex	Male	80%	20%	120	66%	35%	119
	Female	83%	17%	409	84%	16%	409
Passenger - Age	0 - 4	77%	23%	30	77%	23%	30
	5 - 14	78%	23%	40	85%	15%	40
	15 - 25	71%	29%	126	70%	30%	126
	26 - 64	84%	16%	201	84%	16%	201
	65+	93%	7%	132	81%	19%	131
Passenger - Race	Caucasian	83%	17%	484	79%	21%	483
	African American	78%	22%	27	85%	15%	27
	Other	77%	24%	17	82%	18%	17

# ATHENS COUNTY

Overall seat belt usage rates for Athens County for all occupants (*drivers and passengers*) decreased approximately 7% between the 2008 Baseline and the September Survey (Figure 4). This decrease from the Baseline (76%) to the September Survey (69%) made Athens County even further below NHTSA's targeted usage rate of 85% for the state of Ohio. It should be noted that findings for this county are based on relatively few observations, however. No June Surveys for this county were submitted for analysis.

**FIGURE 4: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 72% of both the county’s drivers and passengers were belted (Table 4). There was a decrease from the Baseline (74%) to the September Survey (70%) for the drivers. There was also a significant decrease from the Baseline (84%) to the September Survey (68%) for the passengers. This apparent significant decrease could be due to the low number of observed passengers. Targeting both drivers and passengers in pickup trucks and cars along with young drivers should help increase the effectiveness of any seat belt use initiatives in Athens County.

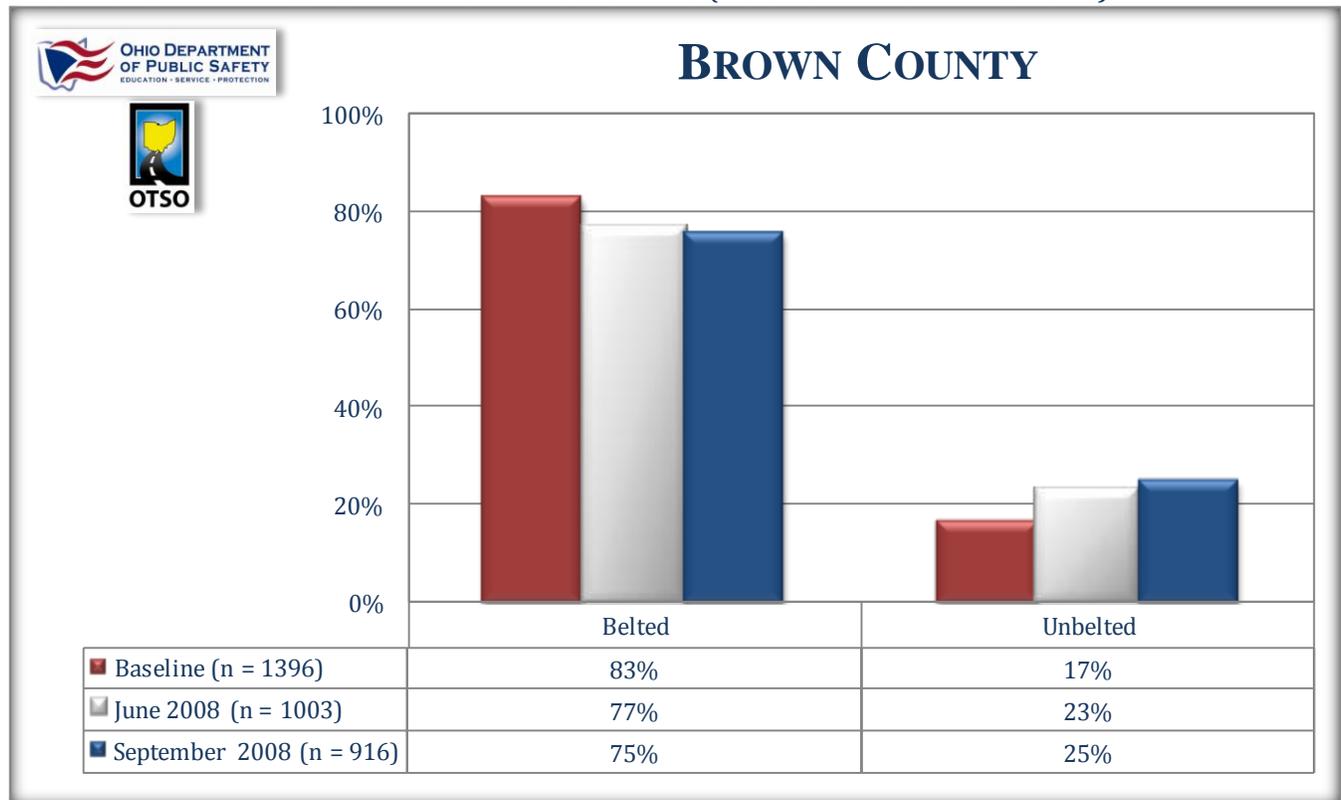
**TABLE 4: CROSS-TABULATION OF ATHENS COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS’ DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Athens County</b>		<b>72%</b>	<b>28%</b>	<b>462</b>	<b>72%</b>	<b>28%</b>	<b>199</b>
Survey <sup>a</sup>	Baseline	74%	27%	226	84%	16%	57
	September 2008	70%	30%	236	68%	32%	142
Vehicle Type	Passenger Car	71%	29%	257	73%	27%	113
	Van/Minivan	85%	16%	58	80%	20%	30
	SUV	83%	17%	60	85%	15%	27
	Pickup Truck	59%	41%	86	52%	48%	29
Driver - Sex	Male	70%	30%	264	69%	31%	128
	Female	75%	26%	196	78%	22%	69
Driver - Age	15 - 25	77%	23%	129	72%	28%	60
	26 - 64	68%	32%	291	70%	30%	114
	64+	80%	20%	40	83%	17%	23
Driver - Race	Caucasian	71%	29%	392	75%	26%	161
	African American	77%	23%	60	56%	44%	32
	Other	100%		5	100%		3
Passenger - Sex	Male	80%	20%	100	70%	30%	100
	Female	82%	18%	99	75%	25%	99
Passenger - Age	0 - 4	100%		1		100%	1
	5 - 14	93%	7%	14	93%	7%	14
	15 - 25	84%	17%	85	77%	24%	85
	26 - 64	74%	26%	80	60%	40%	80
	65+	90%	11%	19	95%	5%	19
Passenger - Race	Caucasian	82%	18%	162	76%	24%	162
	African American	72%	28%	32	50%	50%	32
	Other	100%		4	100%		4

## BROWN COUNTY

The overall seat belt usage rate in Brown County for all occupants (*drivers and passenger*) decreased steadily between the 2008 Baseline (83%) and the June (77%) and September (75%) Surveys (Figure 5). The decrease of 6% from the Baseline to the June Survey plus the decrease of 2% from the June to the September Survey accounted for a total decrease of 8% in seat belt usage among drivers. The county's usage rate is apparently moving further away from NHTSA's targeted usage rate of 85% for the state of Ohio, although it has been very close to attaining the state's goal.

**FIGURE 5: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 78% of the county’s observed drivers and 85% of its observed passengers were belted. Seat belt use for drivers continually decreased between the Baseline (82%) and the June (75%) and September (73%) Surveys, while seat belt use for its passengers stayed relatively consistent (Table 5). While all efforts to increase seat belt use are helpful; targeting pickup truck drivers and younger drivers and males should help to significantly increase usage rates in Brown County.

**TABLE 5: CROSS-TABULATION OF BROWN COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS’ DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Brown County</b>		<b>78%</b>	<b>22%</b>	<b>2690</b>	<b>85%</b>	<b>15%</b>	<b>625</b>
Survey <sup>a</sup>	Baseline	82%	18%	1199	87%	13%	197
	June 2008	75%	25%	772	84%	16%	231
	September 2008	73%	27%	719	84%	16%	197
Vehicle Type	Passenger Car	78%	22%	1066	85%	15%	259
	Van/Minivan	81%	19%	290	84%	16%	49
	SUV	86%	15%	462	93%	7%	138
	Pickup Truck	72%	28%	853	81%	19%	176
Driver - Sex	Male	77%	23%	1727	86%	14%	412
	Female	80%	20%	948	83%	17%	204
Driver - Age	15 - 25	72%	28%	600	83%	17%	154
	26 - 64	78%	22%	1713	84%	16%	382
	64+	86%	14%	375	93%	7%	89
Driver - Race	Caucasian	78%	22%	2621	85%	15%	612
	African American	87%	13%	46	92%	8%	13
Passenger - Sex	Male	76%	24%	273	78%	22%	273
	Female	88%	12%	349	91%	9%	349
Passenger - Age	0 - 4	100%		2	100%		2
	5 - 14	83%	17%	6	83%	17%	6
	15 - 25	82%	18%	178	84%	16%	178
	26 - 64	81%	19%	342	83%	17%	342
	65+	91%	10%	95	94%	6%	95
Passenger - Race	Caucasian	83%	18%	611	85%	15%	611
	African American	91%	9%	11	91%	9%	11

## BUTLER COUNTY

Seat belt usage in Butler County for all occupants (*drivers and passengers*) was inconsistent when analyzing the 2008 Baseline (73%) and the June (77%) and September (74%) Surveys (Figure 6). The increase of 4% from the Baseline to the June Survey soon became a decrease of 3% from the June to September Survey accounting for an overall 1% increase in seat belt usage. While an increase is noted, seat belt usage in Butler County is still well below the NHTSA's target of an 85% usage rate for the state of Ohio.

**FIGURE 6: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

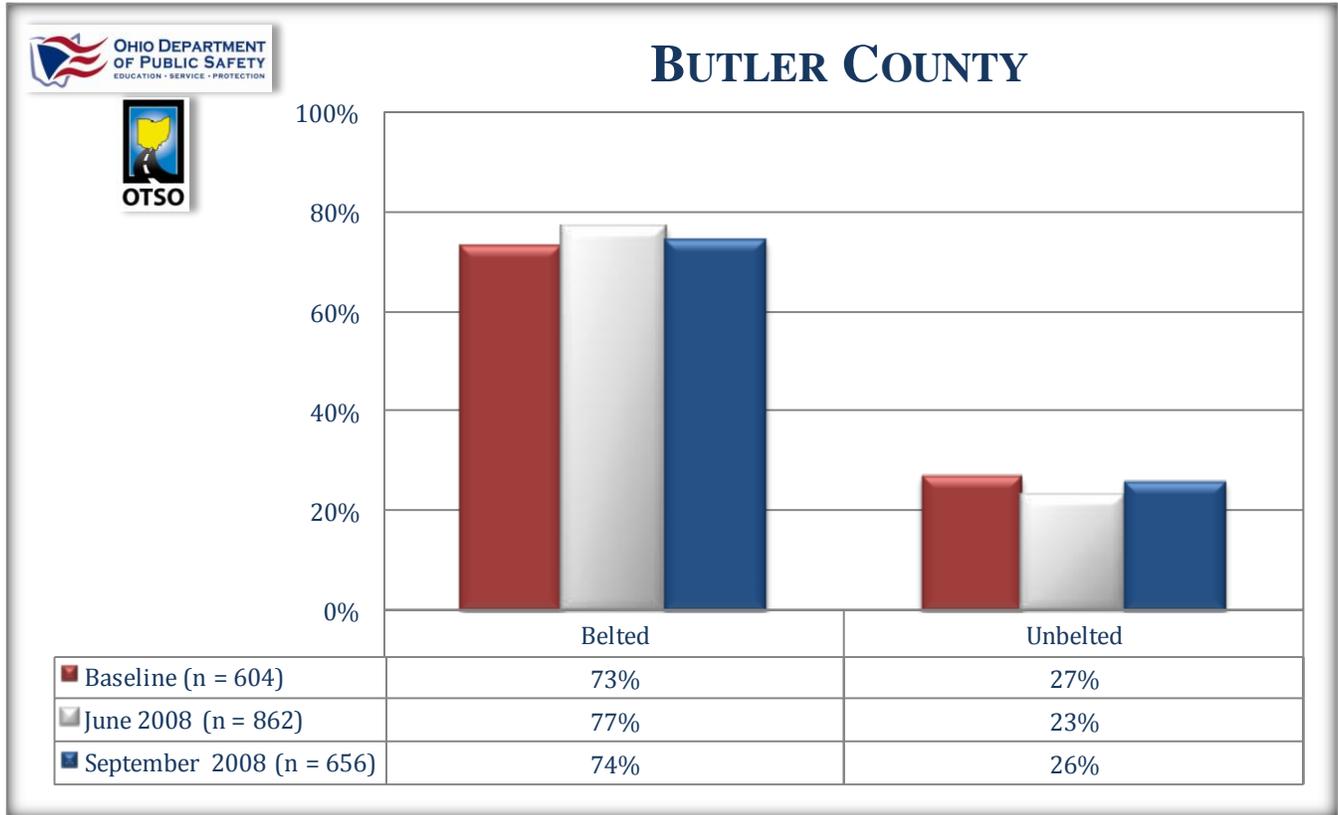


Table 6 shows that overall, 75% of drivers and 74% of passengers were belted during the three survey periods in Butler County. An increase in seat belt use between the 2008 Baseline (73%) and the June (77%) and September (76%) Surveys can be seen for the observed drivers. Though the usage rate for drivers increased, the usage rate for passengers decreased overall with a 75% Baseline and a recorded amount of 67% in the September Survey. Initiatives to increase seat belt use should be broad based, with emphasis on both drivers and passengers of pickup trucks and on male passengers.

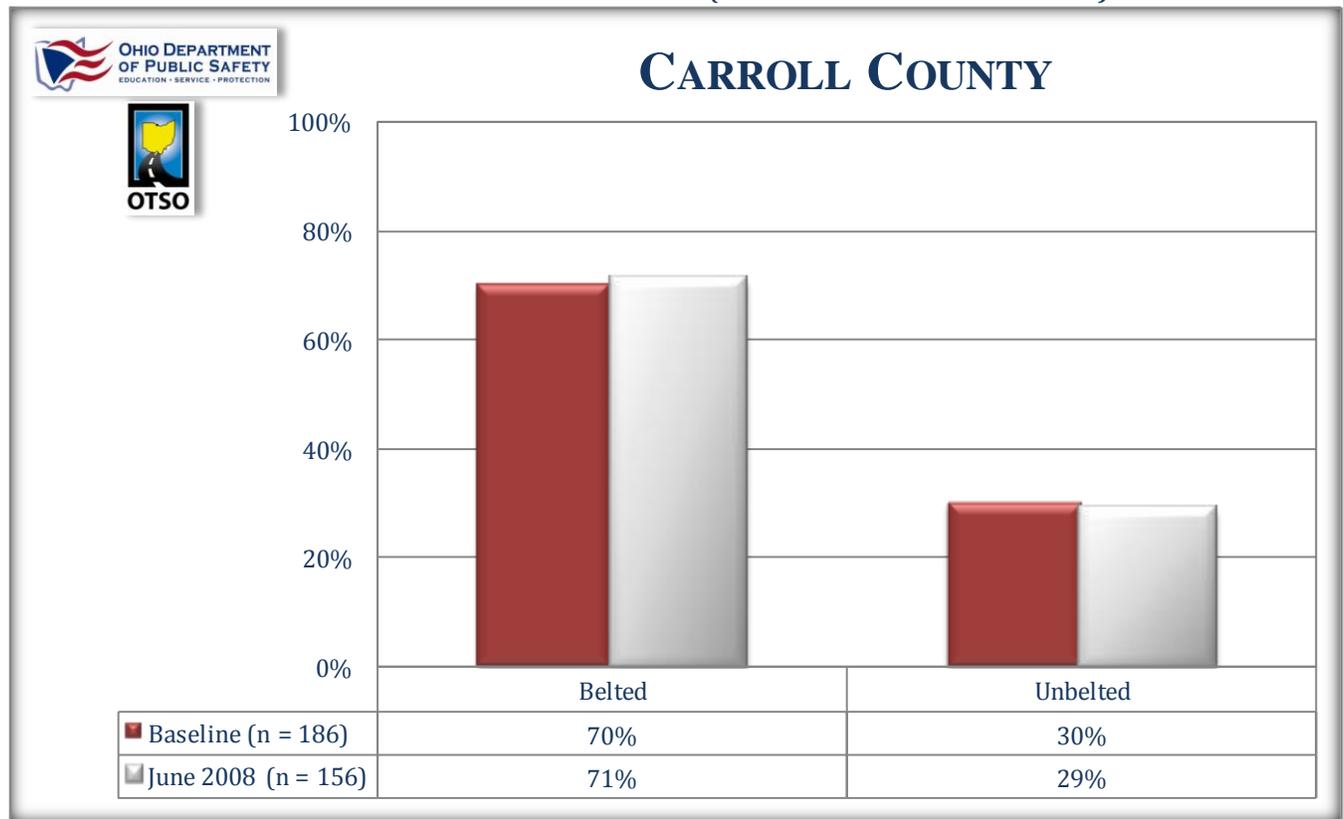
**TABLE 6: CROSS-TABULATION OF BUTLER COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Butler County</b>		<b>75%</b>	<b>25%</b>	<b>1755</b>	<b>74%</b>	<b>26%</b>	<b>367</b>
Survey <sup>a</sup>	Baseline	73%	27%	540	75%	25%	64
	June 2008	77%	24%	685	79%	22%	177
	September 2008	76%	24%	530	67%	33%	126
Vehicle Type	Passenger Car	78%	22%	884	81%	19%	178
	Van/Minivan	79%	21%	197	68%	32%	50
	SUV	78%	22%	346	69%	31%	72
	Pickup Truck	64%	36%	328	64%	36%	67
Driver - Sex	Male	71%	29%	843	72%	28%	195
	Female	79%	21%	908	76%	24%	170
Driver - Age	15 - 25	73%	27%	212	72%	28%	43
	26 - 64	75%	25%	1353	71%	29%	262
	64+	80%	20%	187	89%	11%	62
Driver - Race	Caucasian	76%	24%	1620	75%	25%	339
	African American	70%	30%	89	65%	35%	17
	Other	72%	28%	29	50%	50%	8
Passenger - Sex	Male	74%	26%	121	66%	34%	121
	Female	77%	23%	241	78%	22%	242
Passenger - Age	0 - 4	67%	33%	3	100%		3
	5 - 14	76%	24%	41	73%	27%	41
	15 - 25	75%	25%	92	70%	30%	92
	26 - 64	72%	28%	162	70%	30%	163
	65+	86%	14%	66	89%	11%	66
Passenger - Race	Caucasian	77%	23%	330	74%	26%	331
	African American	71%	29%	17	77%	24%	17
	Other	38%	63%	8	50%	50%	8

## CARROLL COUNTY

Seat belt usage in Carroll County for all occupants (*drivers and passengers*) increased 1% between the 2008 Baseline and the June Survey (Figure 7). This increase from the Baseline (70%) to the June Survey (71%) is still far from the targeted usage rate of 85% for the state of Ohio. It should be noted that findings for this county are based on a relatively low number of observations. No September Surveys for this county were submitted for analysis.

**FIGURE 7: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Carroll County’s seat belt use for their drivers stayed at 68% for the Baseline and the June Survey. The usage rate increased for the passengers from 79% at the Baseline to 81% for the June Survey. Overall, 68% of observed drivers and 80% of observed passengers were belted (Table 7). While all efforts to increase seat belt use are helpful; targeting pickup truck drivers and drivers under 64 years of age should help to significantly increase usage rates. It needs to be noted that there were relatively few observations for Carroll County.

**TABLE 7: CROSS-TABULATION OF CARROLL COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS’ DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Carroll County</b>		<b>68%</b>	<b>32%</b>	<b>264</b>	<b>80%</b>	<b>21%</b>	<b>78</b>
Survey <sup>a</sup>	Baseline	68%	32%	144	79%	21%	42
	June 2008	68%	32%	120	81%	19%	36
Vehicle Type	Passenger Car	73%	27%	125	88%	13%	32
	Van/Minivan	60%	40%	30	60%	40%	15
	SUV	81%	19%	42	91%	9%	11
	Pickup Truck	54%	46%	65	74%	26%	19
Driver - Sex	Male	70%	30%	140	83%	17%	53
	Female	66%	34%	122	72%	28%	25
Driver - Age	15 - 25	62%	38%	21	80%	20%	5
	26 - 64	66%	34%	208	79%	21%	62
	64+	82%	18%	34	82%	18%	11
Driver - Race	Caucasian	69%	31%	261	81%	20%	77
	African American	100%		1			
Passenger - Sex	Male	71%	29%	24	38%	63%	24
	Female	76%	25%	53	13%	87%	53
	5 - 14	67%	33%	6		100%	6
	15 - 25	53%	47%	15	33%	67%	15
	26 - 64	80%	20%	45	18%	82%	45
	65+	82%	18%	11	27%	73%	11
Passenger - Race	Caucasian	74%	26%	77	21%	79%	77

## CLERMONT COUNTY

Results for Clermont County show that seat belt use for all occupants (*drivers and passengers*) steadily decreased between the 2008 Baseline (81%) and the June (78%) and September (74%) Surveys (Figure 8). The decrease of 3% from the Baseline to the June Survey plus the decrease of 4% from the June to September Survey accounted for a total decrease of 7%. The county's usage rate is apparently moving further away from NHTSA's targeted usage rate of 85% for the state of Ohio.

**FIGURE 8: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

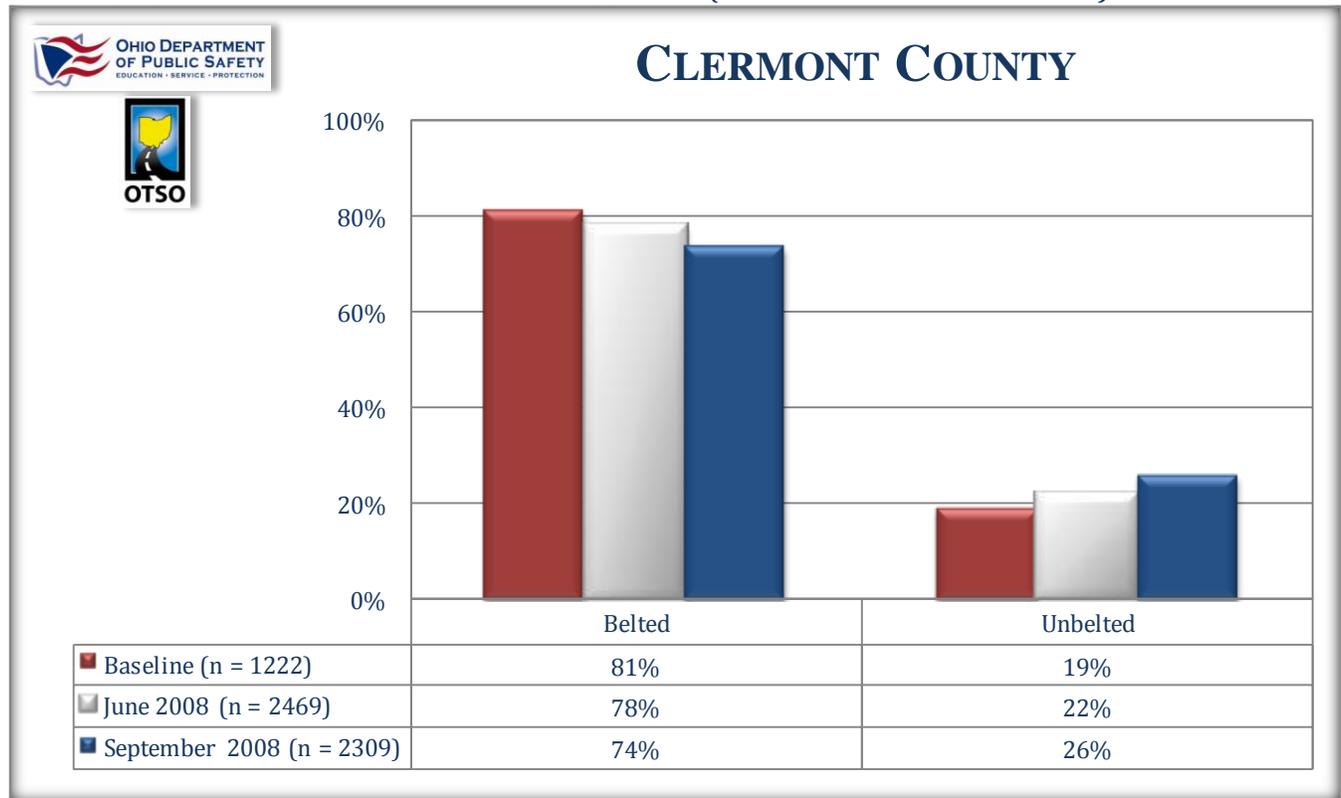


Table 8 shows that overall, 77% of drivers and 75% of passengers were belted. There was a constant decrease in seat belt use between the 2008 Baseline and the June and September Surveys for both drivers and passengers. Targeting pickup truck occupants, male drivers, and drivers between 15 and 25 years of age in future initiatives may help to increase the overall seat belt usage rate in Clermont County.

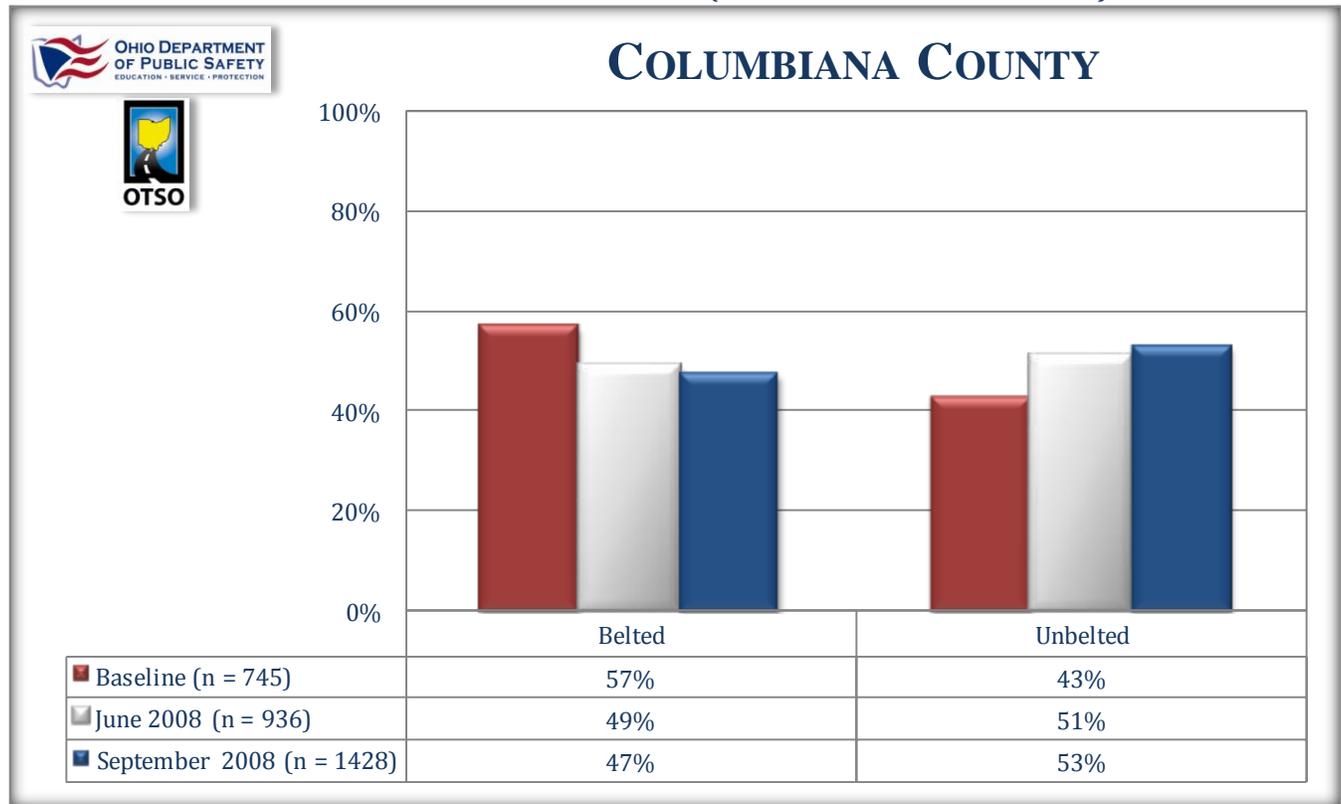
**TABLE 8: CROSS-TABULATION OF CLERMONT COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Clermont County</b>		<b>77%</b>	<b>23%</b>	<b>4890</b>	<b>75%</b>	<b>25%</b>	<b>1110</b>
Survey <sup>a</sup>	Baseline	81%	19%	963	80%	21%	259
	June 2008	78%	22%	2006	77%	23%	463
	September 2008	74%	26%	1921	70%	30%	388
Vehicle Type	Passenger Car	77%	23%	2341	76%	24%	558
	Van/Minivan	82%	18%	540	79%	21%	168
	SUV	81%	19%	747	77%	23%	175
	Pickup Truck	67%	33%	866	68%	32%	202
Driver - Sex	Male	74%	26%	2767	77%	23%	666
	Female	81%	19%	2084	73%	27%	433
Driver - Age	15 - 25	68%	32%	702	67%	34%	191
	26 - 64	77%	23%	3147	75%	25%	787
	64+	82%	18%	465	88%	12%	130
Driver - Race	Caucasian	77%	23%	4707	76%	24%	1040
	African American	73%	27%	66	65%	35%	17
	Other	61%	39%	31	60%	40%	10
Passenger - Sex	Male	78%	22%	423	68%	32%	423
	Female	81%	19%	683	80%	21%	683
Passenger - Age	0 - 4	86%	14%	7	100%		7
	5 - 14	84%	16%	90	82%	18%	90
	15 - 25	74%	26%	282	66%	34%	282
	26 - 64	79%	21%	593	75%	25%	593
	65+	89%	11%	132	89%	11%	132
Passenger - Race	Caucasian	80%	20%	1041	76%	24%	1041
	African American	67%	33%	15	60%	40%	15
	Other	62%	39%	13	62%	39%	13

## COLUMBIANA COUNTY

Figure 9 shows that the seat belt usage rate in Columbiana County for all occupants (*drivers and passengers*) decreased significantly between the 2008 Baseline (57%) and the June (49%) and September (47%) Surveys (Figure 9). The decrease of 8% from the Baseline to the June Survey together with the decrease of 2% from the June to the September Survey accounted for a total decrease of 10%. By September, the county's usage rate for drivers was a total of 38 percentage points away from the state's targeted goal of 85%.

**FIGURE 9: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, the seat belt usage rate for Columbiana County was 52% for drivers and 44% for passengers (Table 9). There was a decrease in seat belt use between the 2008 Baseline and the June and September Surveys for both drivers and passengers. Consequently, initiatives to increase seat belt use should be broad based. Nevertheless, targeting both drivers and passengers of pickup trucks, males, and younger drivers and their passengers should help to increase seat belt usage rates in Columbiana County. It should be noted that were relatively few observations made in this county, which could account for the reported rates.

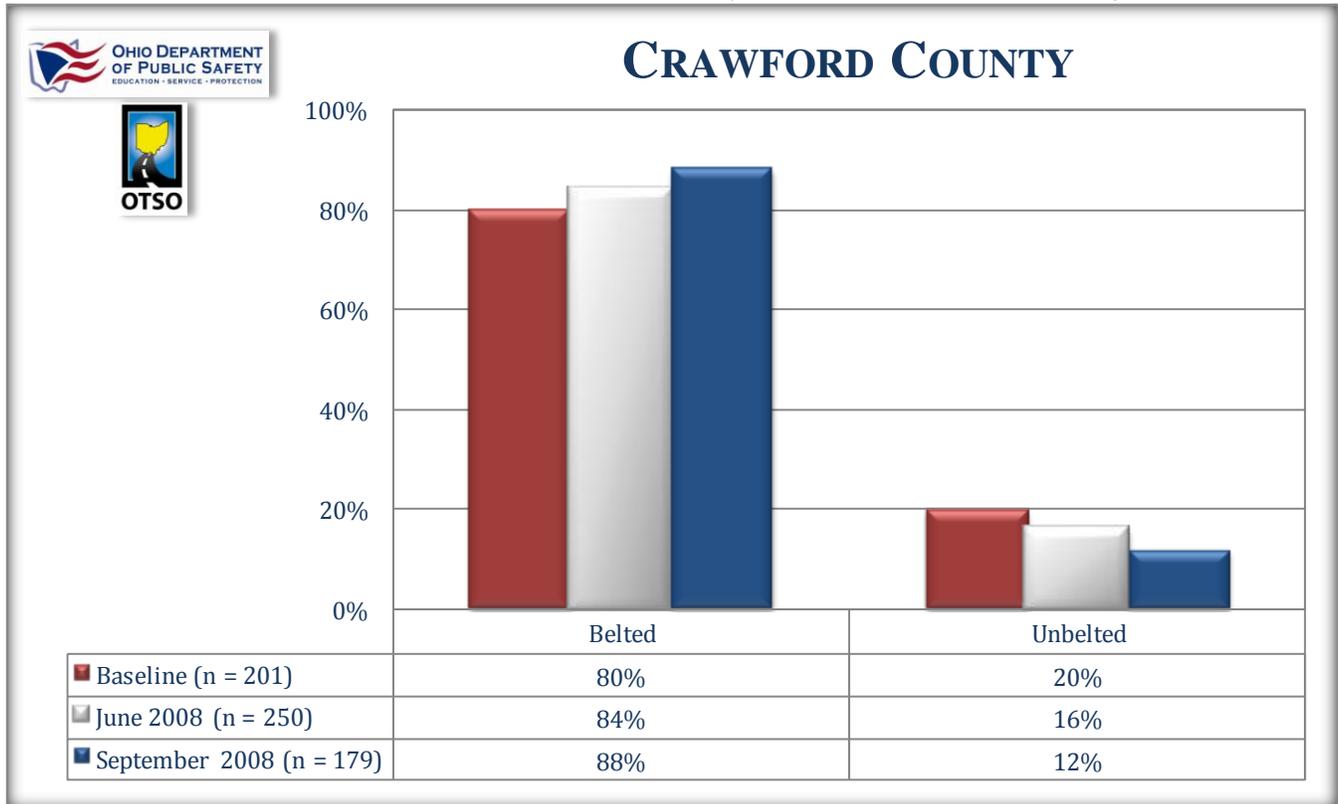
**TABLE 9: CROSS-TABULATION OF COLUMBIANA COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Columbiana County</b>		<b>52%</b>	<b>49%</b>	<b>2572</b>	<b>44%</b>	<b>56%</b>	<b>537</b>
Survey <sup>a</sup>	Baseline	59%	41%	657	48%	52%	88
	June 2008	50%	50%	744	43%	57%	192
	September 2008	48%	52%	1171	44%	56%	257
Vehicle Type	Passenger Car	53%	47%	1366	45%	55%	300
	Van/Minivan	58%	42%	233	49%	52%	66
	SUV	56%	44%	420	49%	51%	73
	Pickup Truck	41%	59%	552	36%	64%	98
Driver - Sex	Male	48%	52%	1404	45%	55%	340
	Female	56%	44%	1160	42%	58%	193
Driver - Age	15 - 25	37%	63%	523	21%	79%	127
	26 - 64	52%	48%	1658	48%	52%	305
	64+	68%	32%	385	61%	39%	102
Driver - Race	Caucasian	52%	48%	2522	44%	56%	516
	African American	21%	79%	28	22%	78%	9
	Other	100%		2			
Passenger - Sex	Male	35%	65%	209	32%	68%	209
	Female	55%	45%	325	52%	48%	325
Passenger - Age	0 - 4		100%	5	20%	80%	5
	5 - 14	49%	51%	59	48%	53%	59
	15 - 25	30%	70%	150	25%	75%	150
	26 - 64	50%	51%	212	46%	54%	212
	65+	67%	33%	108	65%	35%	108
Passenger - Race	Caucasian	47%	53%	524	44%	56%	524
	African American	40%	60%	10	30%	70%	10
	Other		100%	2	50%	50%	2

## CRAWFORD COUNTY

Seat belt usage in Crawford County for all occupants (*drivers and passengers*) increased significantly between the 2008 Baseline (80%) and the June (84%) and September (88%) Surveys (Figure 10). This 8% increase raised the county’s usage rate to 3% above NHTSA’s 85% usage rate goal for Ohio. It should be noted that findings for this county are based on a relatively low number of observations.

**FIGURE 10: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



According to Table 10, the overall seat belt usage rate was 83% for drivers and 86% for passengers in Crawford County. Observed seat belt use increased from the 2008 Baseline Survey to the September Survey for both drivers and passengers. The rate then continued to increase for the drivers, and began to decrease to the baseline rate for the passengers. While all efforts to increase seat belt use are helpful; targeting pickup truck drivers and their passengers along with younger occupants, especially passengers, should help to significantly increase overall usage rates. It should be noted that there were relatively few observations made in this county.

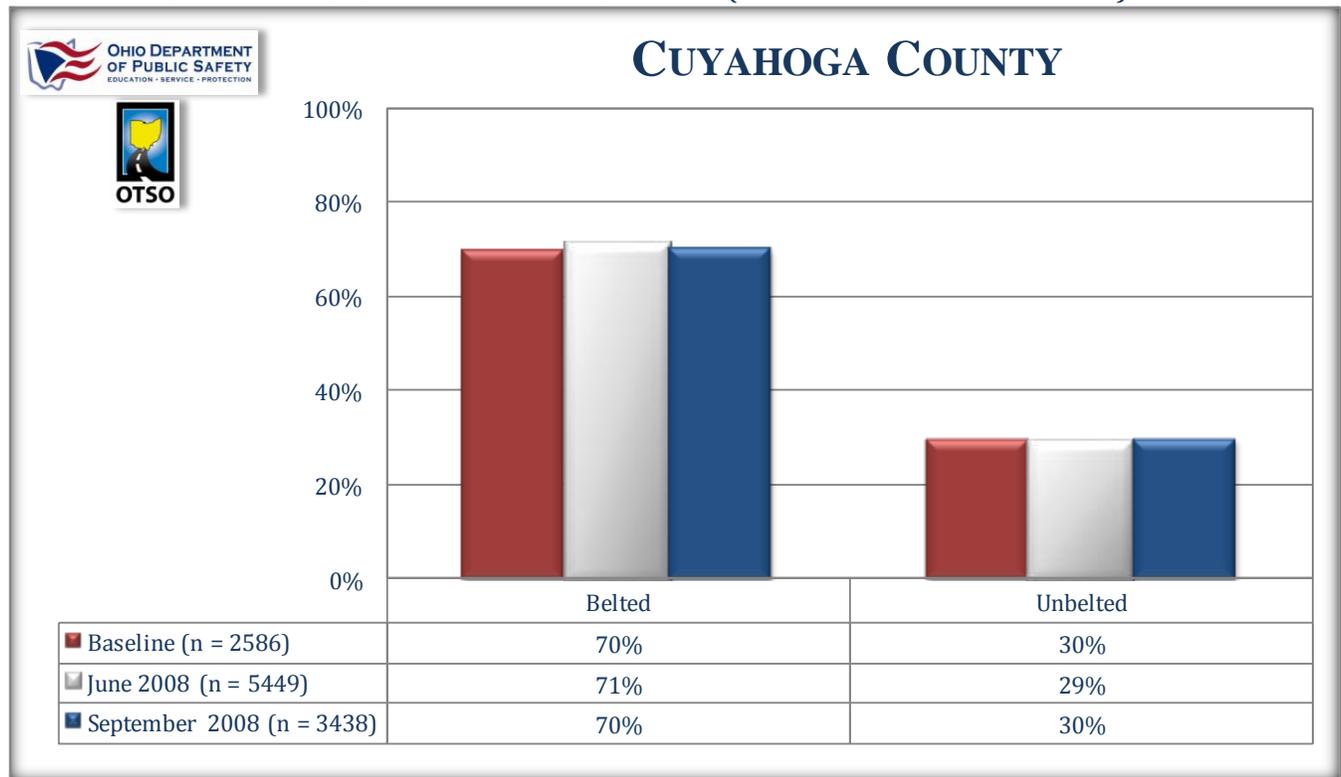
**TABLE 10: CROSS-TABULATION OF CRAWFORD COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Crawford County</b>		<b>83%</b>	<b>17%</b>	<b>477</b>	<b>86%</b>	<b>14%</b>	<b>153</b>
Survey <sup>a</sup>	Baseline	78%	22%	150	84%	16%	51
	June 2008	82%	18%	192	90%	10%	58
	September 2008	90%	10%	135	84%	16%	44
Vehicle Type	Passenger Car	87%	13%	242	88%	12%	82
	Van/Minivan	78%	22%	55	85%	15%	20
	SUV	86%	14%	87	90%	10%	31
	Pickup Truck	73%	27%	93	75%	25%	20
Driver - Sex	Male	81%	19%	279	88%	12%	100
	Female	86%	14%	197	83%	17%	53
Driver - Age	15 - 25	80%	20%	102	77%	23%	30
	26 - 64	83%	17%	279	89%	11%	84
	64+	85%	15%	96	87%	13%	39
Driver - Race	Caucasian	83%	17%	471	86%	14%	152
	African American	100%		1			
	Other	100%		1			
Passenger - Sex	Male	83%	17%	54	80%	20%	54
	Female	87%	13%	98	91%	9%	98
Passenger - Age	0 - 4	100%		1	100%		1
	5 - 14	75%	25%	20	85%	15%	20
	15 - 25	90%	11%	38	84%	16%	38
	26 - 64	79%	21%	58	85%	16%	58
	65+	94%	6%	36	92%	8%	36
Passenger - Race	Caucasian	85%	15%	152	86%	14%	152
	Other	100%		1	100%		1

## CUYAHOGA COUNTY

The seat belt usage rate in Cuyahoga County for all occupants (*drivers and passengers*) did not change overall, however, across the three 2008 surveys there were slight fluctuations (Figure 11). There was an increase in usage from the Baseline (70%) to the June (71%) Survey of 1%, but this soon decreased to the baseline total of 70% in the September Survey. The county still needs to increase the usage rate by 15% in order to meet NHTSA's goal of 85% for Ohio.

**FIGURE 11: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 71% of the observed drivers and 69% of passengers in Cuyahoga County were belted (Table 11). While there was an increase in seat belt use between the 2008 Baseline and the June Survey for both drivers and passengers, the rate stayed consistent for the drivers and decreased slightly for the passengers during the September Survey. Special efforts to target pickup truck occupants, males, occupants ages 15-25, and African American occupants should increase the effectiveness of any further initiatives.

**TABLE 11: CROSS-TABULATION OF CUYAHOGA COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Cuyahoga County</b>		<b>71%</b>	<b>29%</b>	<b>10180</b>	<b>69%</b>	<b>31%</b>	<b>1293</b>
Survey <sup>a</sup>	Baseline	70%	30%	2180	67%	33%	406
	June 2008	71%	29%	4849	70%	31%	600
	September 2008	71%	30%	3151	69%	31%	287
Vehicle Type	Passenger Car	71%	29%	6097	71%	29%	759
	Van/Minivan	74%	26%	1218	72%	28%	204
	SUV	75%	25%	1865	72%	28%	218
	Pickup Truck	54%	47%	993	42%	58%	110
Driver - Sex	Male	66%	34%	5637	67%	33%	737
	Female	76%	24%	4529	71%	29%	551
Driver - Age	15 - 25	62%	38%	649	59%	41%	98
	26 - 64	71%	29%	8377	68%	32%	988
	64+	76%	24%	1148	78%	22%	203
Driver - Race	Caucasian	73%	28%	8029	71%	29%	991
	African American	64%	37%	1935	61%	39%	265
	Other	68%	32%	193	63%	37%	30
Passenger - Sex	Male	66%	34%	503	60%	40%	503
	Female	74%	26%	785	74%	26%	786
Passenger - Age	0 - 4	60%	40%	5	20%	80%	5
	5 - 14	75%	25%	129	75%	25%	129
	15 - 25	72%	28%	196	69%	32%	197
	26 - 64	67%	33%	731	65%	35%	731
	65+	85%	15%	221	80%	20%	221
Passenger - Race	Caucasian	75%	25%	1003	72%	28%	1002
	African American	60%	40%	249	59%	41%	250
	Other	61%	39%	31	52%	48%	31

## DELAWARE COUNTY

The seat belt usage rate in Delaware County for all occupants (*drivers and passengers*) increased 3% overall between the 2008 Baseline (80%) and the June (84%) and September (83%) Surveys (Figure 12). This increase brought the county 2 percentage points away from NHTSA's target usage rate of 85% for Ohio.

**FIGURE 12: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

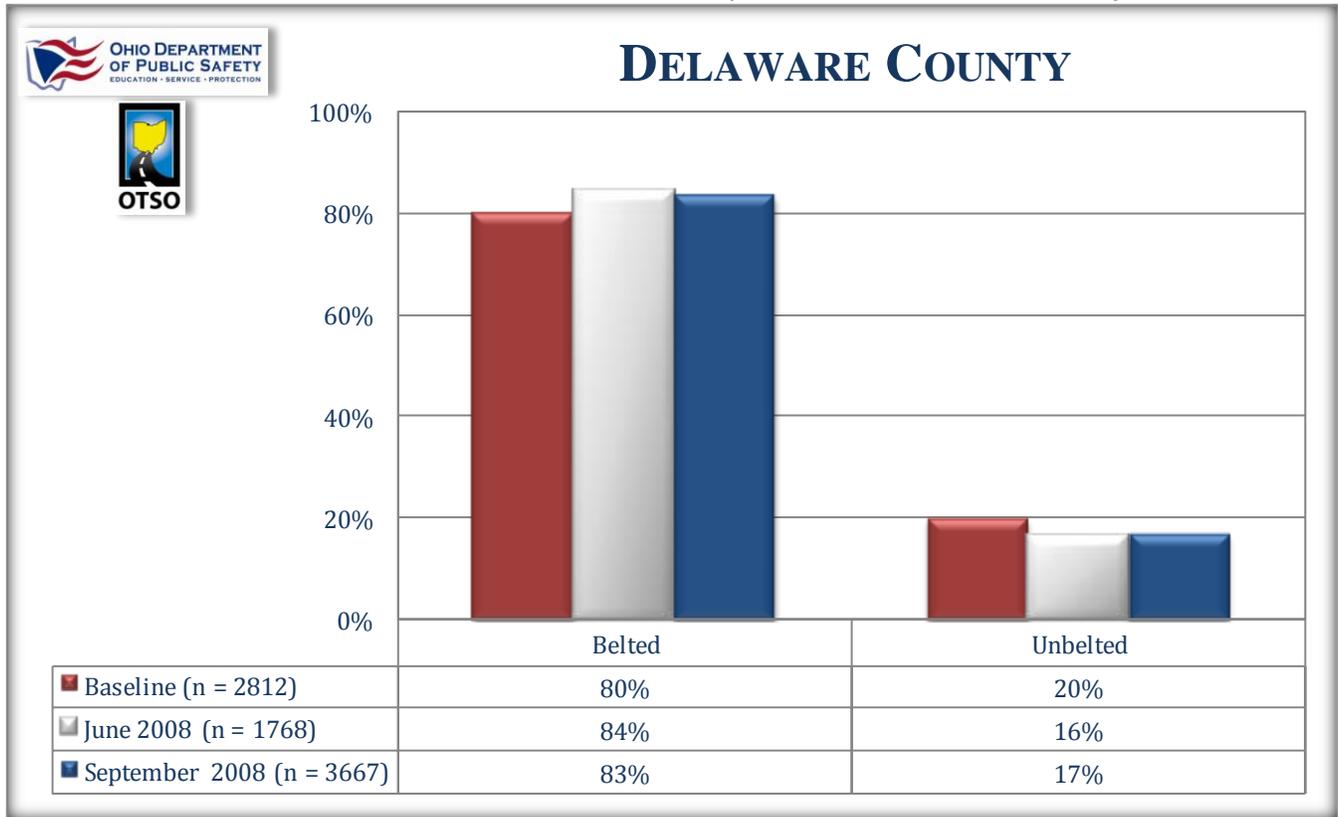


Table 12 shows that overall, 83% of the drivers and 81% of passengers were belted. There was a slight increase in seat belt use between the 2008 Baseline and the June Survey for drivers and a significant increase for passengers; however, the rate stayed constant for the drivers and began to decline for the passengers in the September Survey. Targeting males, pickup truck occupants, and occupants ages 15-25 will help to increase the overall usage rate for Delaware County.

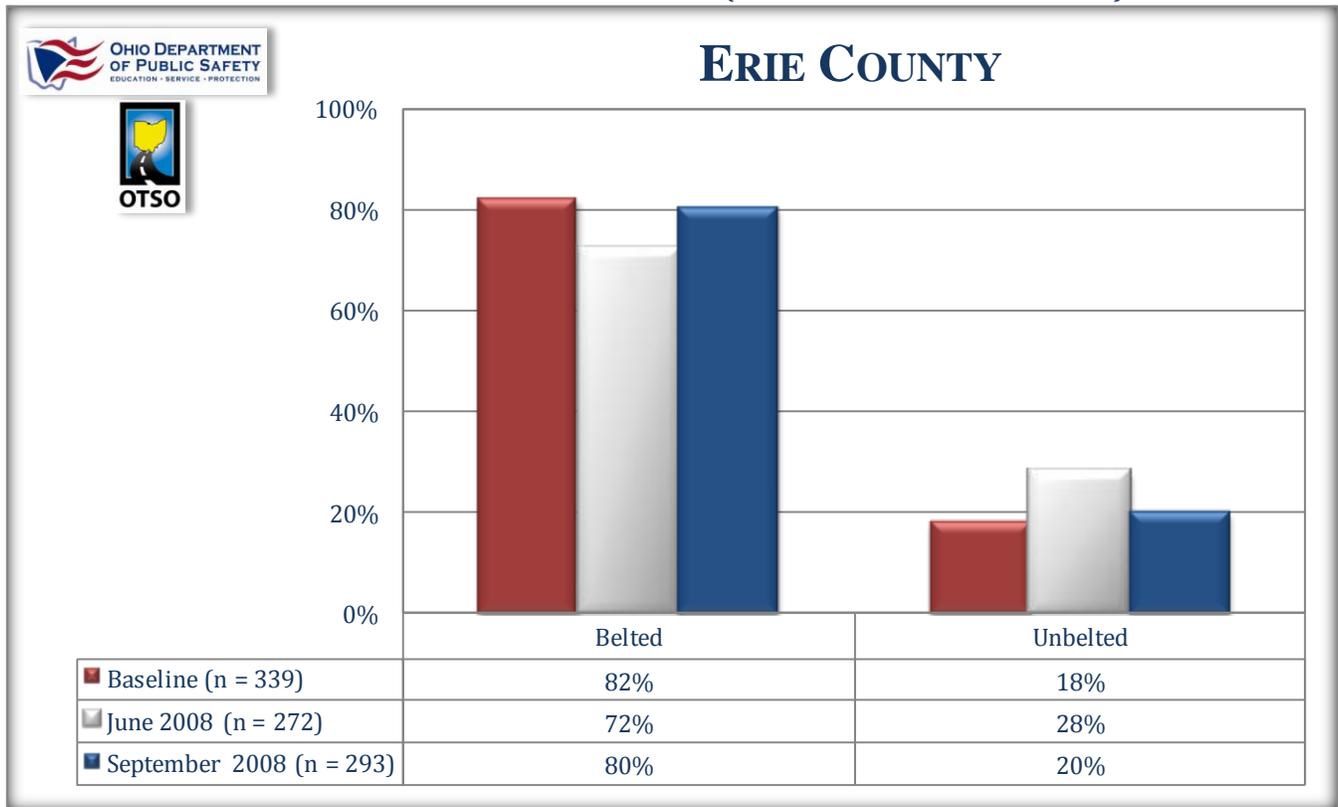
**TABLE 12: CROSS-TABULATION OF DELAWARE COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Delaware County</b>		<b>83%</b>	<b>17%</b>	<b>6806</b>	<b>81%</b>	<b>19%</b>	<b>1441</b>
Survey <sup>a</sup>	Baseline	81%	19%	2259	77%	24%	553
	June 2008	84%	16%	1473	87%	13%	295
	September 2008	84%	16%	3074	82%	18%	593
Vehicle Type	Passenger Car	84%	16%	3315	83%	17%	705
	Van/Minivan	88%	13%	913	84%	16%	227
	SUV	85%	15%	1461	85%	15%	297
	Pickup Truck	73%	27%	1110	66%	34%	211
Driver - Sex	Male	80%	20%	3818	78%	22%	883
	Female	86%	14%	2977	86%	14%	555
Driver - Age	15 - 25	74%	26%	747	69%	31%	146
	26 - 64	84%	16%	5326	81%	19%	1070
	64+	87%	14%	727	88%	13%	224
Driver - Race	Caucasian	83%	17%	6500	81%	19%	1350
	African American	87%	13%	119	90%	10%	29
	Other	78%	23%	111	66%	34%	35
Passenger - Sex	Male	83%	17%	574	75%	25%	574
	Female	87%	13%	864	85%	15%	864
Passenger - Age	0 - 4	50%	50%	6	50%	50%	6
	5 - 14	87%	14%	193	86%	15%	193
	15 - 25	82%	18%	246	75%	25%	246
	26 - 64	85%	15%	734	80%	20%	734
	65+	90%	10%	259	87%	13%	259
Passenger - Race	Caucasian	86%	14%	1348	82%	18%	1348
	African American	93%	7%	29	90%	10%	29
	Other	78%	23%	40	60%	40%	40

## ERIE COUNTY

An overall decrease for all occupants (*drivers and passengers*) in seat belt use for Erie County can be seen throughout the 2008 evaluation (Figure 13). The significant decline of 10% from the Baseline to the June Survey was soon made up for in the September Survey, accounting for only a 2% decrease in usage overall. The September Survey shows an 80% usage rate which is within 5% of NHTSA's target of an 85% usage rate for the state of Ohio. It should be noted that findings for this county are based on a relatively low number of observations.

**FIGURE 13: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



According to Table 13, overall, 77% of the drivers and 84% of passengers were belted. The usage for both drivers and passengers declined from the Baseline to the June Survey and then increased in the September Survey. Targeting occupants between 15-25 years of age, and African Americans in future initiatives in Erie County could help to increase overall seat belt usage rates.

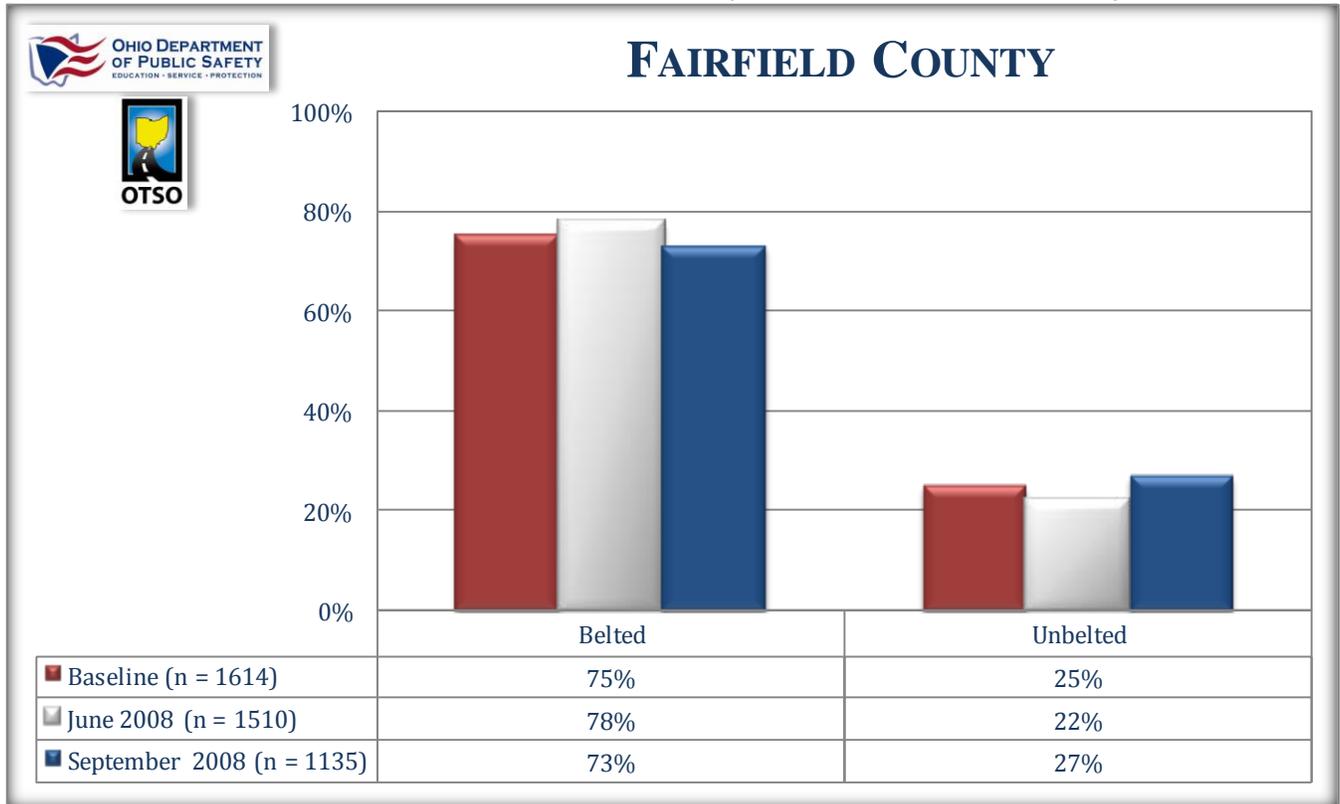
**TABLE 13: CROSS-TABULATION OF ERIE COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Erie County</b>		<b>77%</b>	<b>23%</b>	<b>744</b>	<b>84%</b>	<b>16%</b>	<b>160</b>
Survey <sup>a</sup>	Baseline	82%	18%	274	85%	15%	65
	June 2008	70%	30%	232	80%	20%	40
	September 2008	79%	21%	238	86%	15%	55
Vehicle Type	Passenger Car	78%	22%	384	83%	17%	87
	Van/Minivan	80%	20%	84	90%	10%	20
	SUV	80%	20%	138	89%	12%	26
	Pickup Truck	71%	29%	138	78%	22%	27
Driver - Sex	Male	75%	25%	407	84%	16%	101
	Female	80%	20%	336	83%	17%	59
Driver - Age	15 - 25	68%	32%	68	67%	33%	15
	26 - 64	76%	24%	534	82%	18%	95
	64+	86%	14%	142	92%	8%	50
Driver - Race	Caucasian	81%	19%	664	88%	12%	142
	African American	47%	53%	79	47%	53%	17
	Other	100%		1	100%		1
Passenger - Sex	Male	82%	18%	60	78%	22%	60
	Female	86%	14%	99	87%	13%	99
Passenger - Age	5 - 14	88%	13%	8	88%	13%	8
	15 - 25	64%	36%	25	68%	32%	25
	26 - 64	84%	16%	82	82%	18%	82
	65+	96%	5%	44	96%	5%	44
Passenger - Race	Caucasian	89%	11%	140	88%	12%	140
	African American	47%	53%	17	53%	47%	17
	Other	100%		1	100%		1

## FAIRFIELD COUNTY

According to Figure 14, seat belt usage rates in Fairfield County for all occupants (*drivers and passengers*) increased from 75% at the Baseline to 78% for the June Survey. The September Survey then showed a slight decrease; down to 73%. The county is still percentage points away from NHTSA's target usage rate of 85% for Ohio.

**FIGURE 14: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 76% of drivers and 74% of passengers in Fairfield County were belted (Table 14). There was an increase in seat belt use between the 2008 Baseline and the June Survey for both drivers and passengers. The September Survey, however, indicated a slight decrease in the June Survey for the drivers (3%), but a significant decrease for the passengers of 12%. Further initiatives targeting pickup truck occupants, males, and drivers 25 years of age and younger, should help Fairfield County reach the 85% goal set by NHTSA for seat belt usage rates in Ohio.

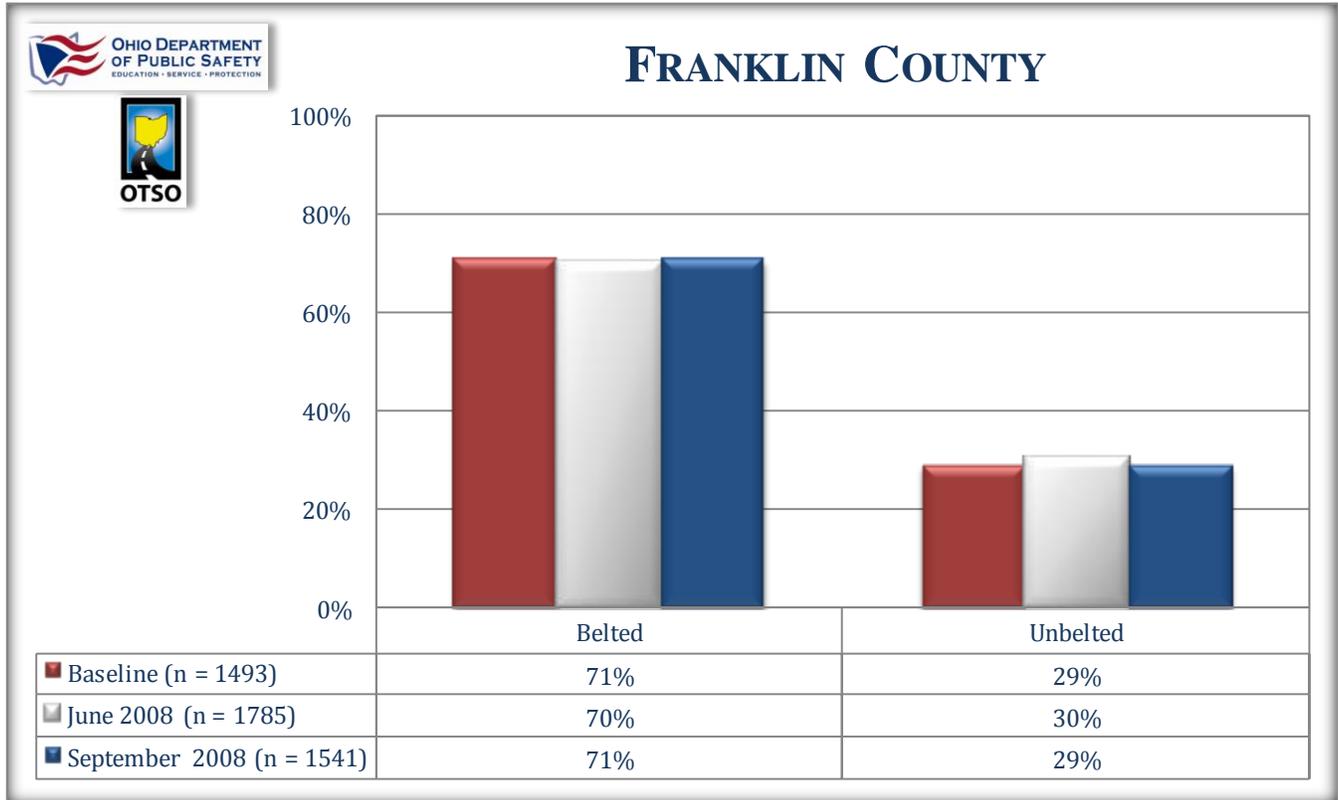
**TABLE 14: CROSS-TABULATION OF FAIRFIELD COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Fairfield County</b>		<b>76%</b>	<b>24%</b>	<b>3381</b>	<b>74%</b>	<b>27%</b>	<b>878</b>
Survey <sup>a</sup>	Baseline	76%	24%	1275	73%	27%	339
	June 2008	78%	22%	1204	79%	21%	306
	September 2008	75%	25%	902	67%	34%	233
Vehicle Type	Passenger Car	77%	23%	1637	71%	29%	417
	Van/Minivan	84%	16%	438	83%	18%	154
	SUV	80%	20%	674	79%	21%	164
	Pickup Truck	64%	36%	631	66%	34%	143
Driver - Sex	Male	71%	29%	1842	71%	29%	519
	Female	83%	17%	1533	77%	23%	356
Driver - Age	15 - 25	64%	36%	600	63%	37%	163
	26 - 64	79%	21%	2464	74%	26%	606
	64+	79%	22%	316	87%	13%	108
Driver - Race	Caucasian	76%	24%	3209	73%	27%	822
	African American	77%	23%	109	69%	31%	29
	Other	61%	39%	23	83%	17%	6
Passenger - Sex	Male	71%	29%	315	64%	36%	315
	Female	78%	22%	558	79%	21%	558
Passenger - Age	0 - 4	67%	33%	6	83%	17%	6
	5 - 14	78%	22%	144	80%	20%	144
	15 - 25	67%	33%	248	64%	36%	248
	26 - 64	76%	24%	358	74%	27%	358
	65+	86%	14%	117	85%	15%	117
Passenger - Race	Caucasian	75%	25%	821	73%	27%	821
	African American	82%	18%	28	71%	29%	28
	Other	88%	13%	8	88%	13%	8

## FRANKLIN COUNTY

The seat belt usage rate in Franklin County for all occupants (*drivers and passengers*) did not change overall, but within the three 2008 surveys there were slight fluctuations (Figure 15). There was a decrease from the Baseline (71%) to the June Survey (70%) of 1%, but this soon returned to the baseline rate of 71% in the September Survey. The county still needs to increase the usage rate by 14% in order to meet NHTSA's goal of an 85% usage rate for the state of Ohio.

**FIGURE 15: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



The overall results for Franklin County show that 73% of drivers and 60% of passengers were belted (Table 15). There was a 10% decrease in seat belt use between the 2008 Baseline and the June Survey for passengers; however, usage rates for passengers increased 6% during the September Survey. The usage rate for the drivers stayed at 73% for all three surveys. Targeting pickup truck drivers and their passengers, drivers and passengers between the ages of 15 and 25, males, and African Americans in future initiatives should help Franklin County reach the 85% usage rate goal set by NHTSA.

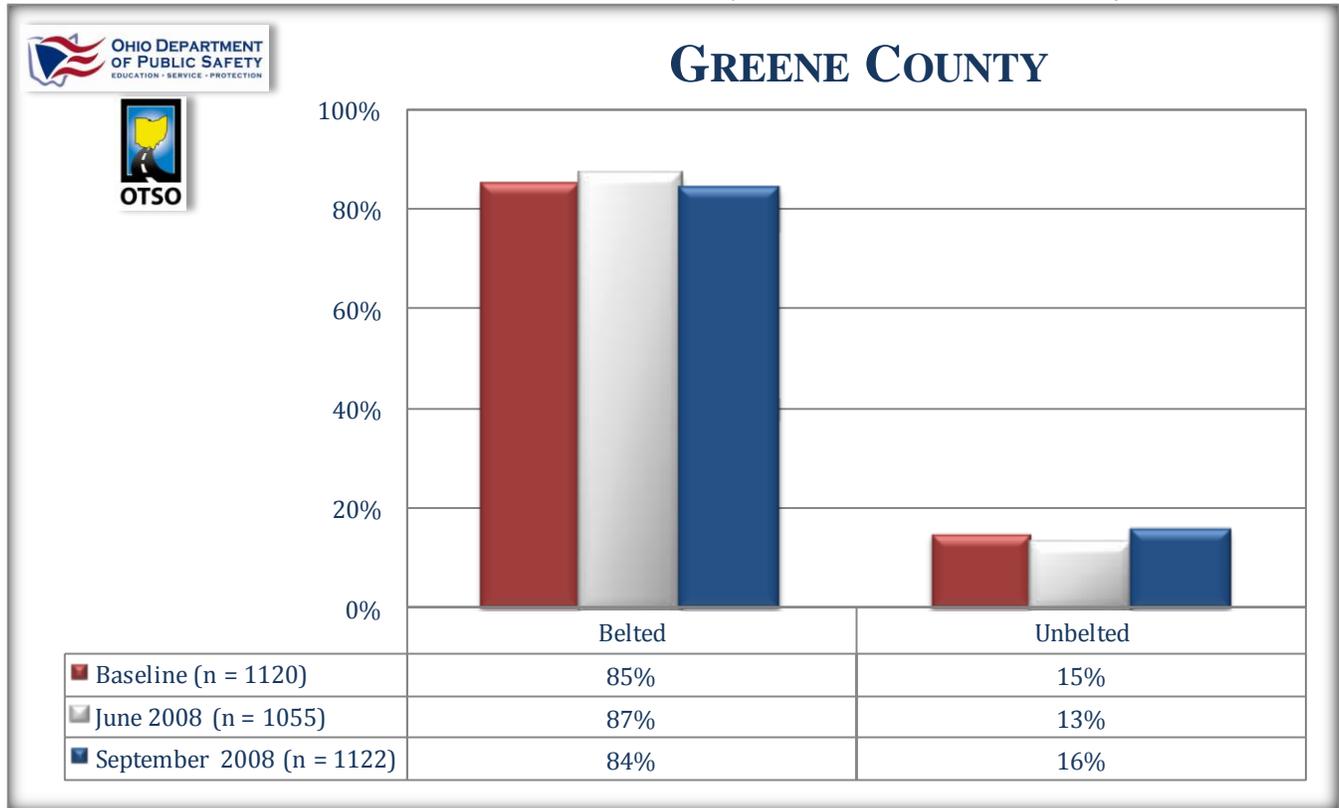
**TABLE 15: CROSS-TABULATION OF FRANKLIN COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Franklin County</b>		<b>73%</b>	<b>27%</b>	<b>4002</b>	<b>60%</b>	<b>40%</b>	<b>817</b>
Survey <sup>a</sup>	Baseline	73%	27%	1217	65%	36%	276
	June 2008	73%	27%	1484	55%	45%	301
	September 2008	73%	27%	1301	61%	39%	240
Vehicle Type	Passenger Car	76%	24%	2292	61%	39%	454
	Van/Minivan	72%	28%	478	59%	41%	114
	SUV	73%	27%	730	68%	32%	148
	Pickup Truck	58%	42%	490	45%	55%	95
Driver - Sex	Male	69%	31%	2271	61%	39%	473
	Female	78%	22%	1716	59%	41%	343
Driver - Age	15 - 25	64%	36%	546	47%	53%	133
	26 - 64	73%	27%	3039	61%	39%	591
	64+	80%	21%	409	71%	29%	91
Driver - Race	Caucasian	74%	26%	3159	64%	36%	622
	African American	66%	35%	614	43%	57%	122
	Other	72%	29%	193	59%	41%	61
Passenger - Sex	Male	62%	39%	312	51%	49%	312
	Female	76%	24%	501	66%	34%	501
Passenger - Age	0 - 4	25%	75%	4	50%	50%	4
	5 - 14	71%	29%	105	63%	37%	105
	15 - 25	62%	38%	232	48%	52%	232
	26 - 64	73%	27%	378	62%	38%	378
	65+	81%	19%	96	78%	22%	96
Passenger - Race	Caucasian	72%	28%	610	63%	37%	610
	African American	60%	40%	124	46%	54%	124
	Other	75%	25%	64	58%	42%	64

## GREENE COUNTY

Results for Greene County show an overall decrease of 1% for all occupants (*drivers and passengers*) from the 2008 Baseline (85%) through the June (87%) and September (84%) Surveys (Figure 16). The September Survey results indicated that Greene County is only 1% away from NHTSA's target for Ohio which is an 85% seat belt usage rate.

**FIGURE 16: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 86% of Greene County’s drivers and 80% of its passengers were belted. There was a steady decrease in seat belt use between the 2008 Baseline (83%) and the June (79%) and September (78%) Surveys for the passengers. The rates for the observed drivers fluctuated from the Baseline (85%) to the June (88%) and September (86%) Surveys. Targeting pickup truck occupants and younger drivers should help to increase the seat belt usage rate in Greene County.

**TABLE 16: CROSS-TABULATION OF GREENE COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS’ DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Greene County</b>		<b>86%</b>	<b>14%</b>	<b>2826</b>	<b>80%</b>	<b>20%</b>	<b>471</b>
Survey <sup>a</sup>	Baseline	85%	15%	964	83%	17%	156
	June 2008	88%	12%	904	79%	21%	151
	September 2008	86%	15%	958	78%	22%	164
Vehicle Type	Passenger Car	87%	13%	1566	79%	21%	267
	Van/Minivan	91%	9%	329	87%	13%	84
	SUV	90%	10%	490	83%	17%	65
	Pickup Truck	77%	23%	441	69%	31%	55
Driver - Sex	Male	84%	17%	1468	81%	19%	262
	Female	89%	11%	1358	78%	22%	209
Driver - Age	15 - 25	79%	21%	172	58%	42%	33
	26 - 64	87%	13%	1406	79%	21%	218
	64+	89%	11%	284	86%	14%	64
Driver - Race	Caucasian	88%	12%	1636	80%	20%	269
	African American	78%	22%	162	67%	33%	36
	Other	88%	12%	57	83%	17%	6
Passenger - Sex	Male	85%	15%	176	74%	26%	176
	Female	87%	13%	294	83%	17%	294
Passenger - Age	5 - 14	92%	8%	25	72%	28%	25
	15 - 25	77%	23%	48	71%	29%	48
	26 - 64	86%	15%	186	80%	20%	186
	65+	96%	4%	55	84%	16%	55
Passenger - Race	Caucasian	88%	13%	272	80%	20%	271
	African American	80%	20%	35	63%	37%	35
	Other	86%	14%	7	86%	14%	7

## HAMILTON COUNTY

Figure 17 illustrates that seat belt use in Hamilton County for all occupants (*drivers and passengers*) decreased 3% between the Baseline and the June Survey. This decrease from the Baseline (77%) to the June Survey (74%) is even farther below NHTSA's targeted usage rate of 85% for the state of Ohio. No September Surveys for this county were submitted for analysis.

**FIGURE 17: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

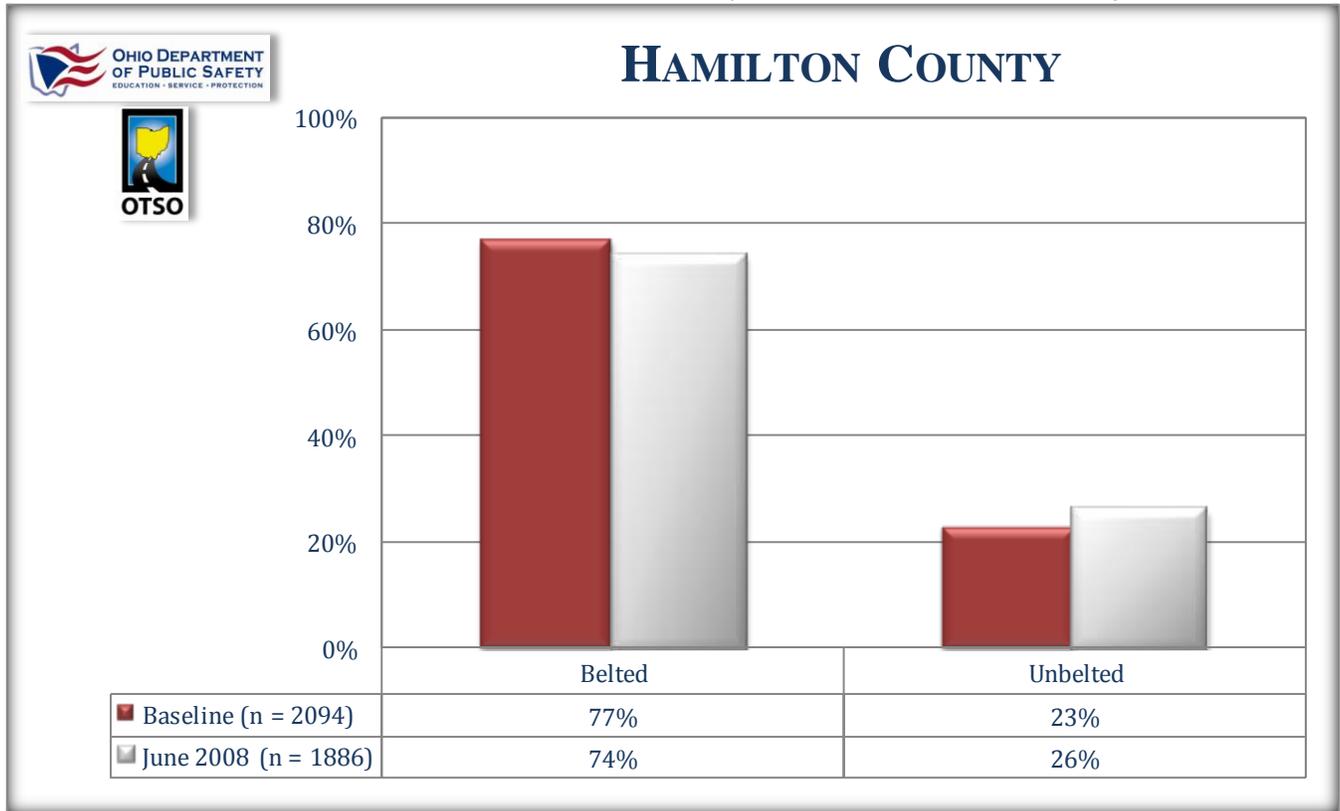


Table 17 shows that 76% of drivers and 73% of passengers in Hamilton County were belted. There was a 4% decrease in seat belt use between the Baseline and the June Survey for drivers, with a slight increase for the passengers of 3%. Targeting pickup truck occupants, males, 15-25 year old drivers and passengers, and African Americans in Hamilton County would help to increase the overall seat belt usage rate.

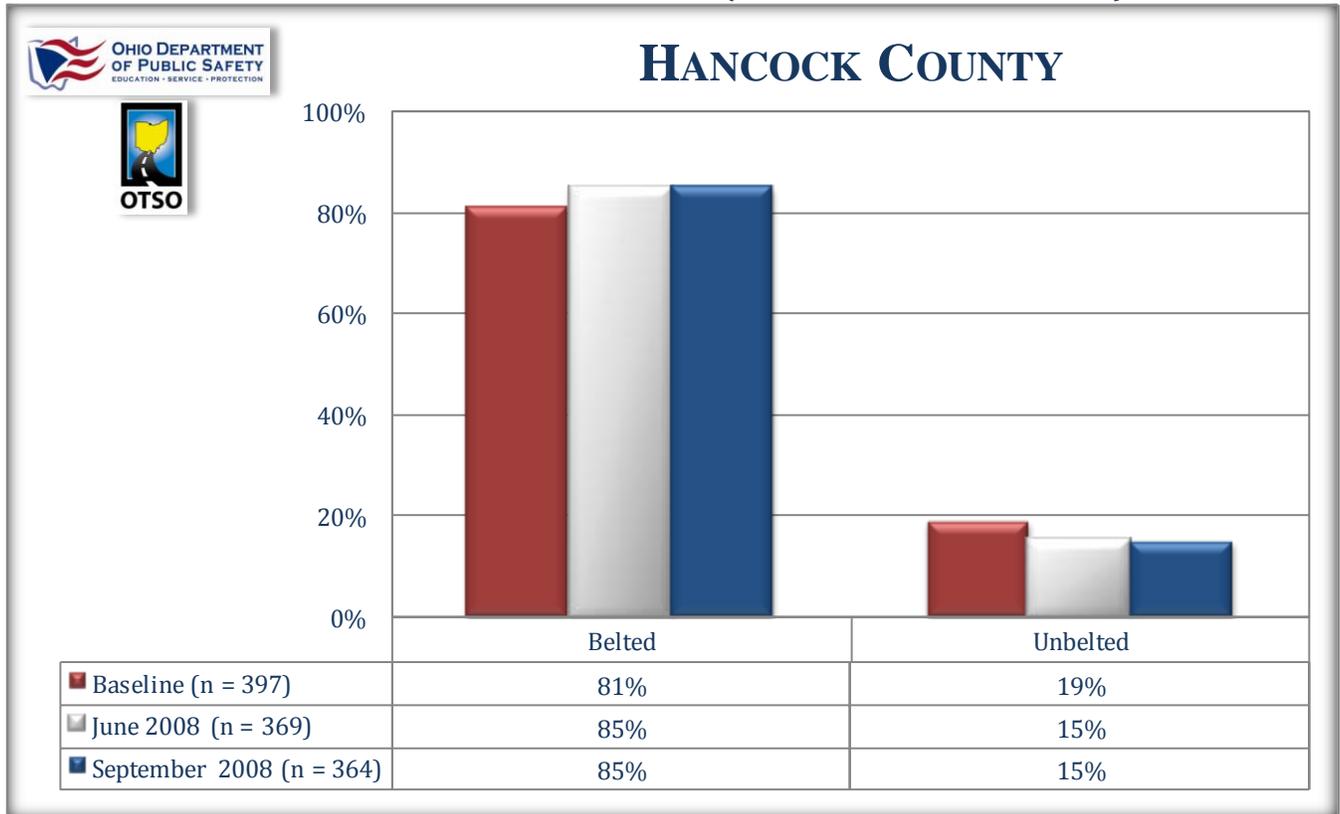
**TABLE 17: CROSS-TABULATION OF HAMILTON COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Hamilton County</b>		<b>76%</b>	<b>24%</b>	<b>3330</b>	<b>73%</b>	<b>27%</b>	<b>650</b>
Survey <sup>a</sup>	Baseline	78%	22%	1727	72%	28%	367
	June 2008	74%	26%	1603	75%	25%	283
Vehicle Type	Passenger Car	77%	23%	1956	76%	24%	337
	Van/Minivan	81%	19%	424	79%	22%	121
	SUV	77%	23%	632	74%	26%	136
	Pickup Truck	62%	38%	315	46%	55%	55
Driver - Sex	Male	72%	28%	1845	69%	31%	373
	Female	81%	19%	1476	79%	21%	276
Driver - Age	15 - 25	67%	33%	456	52%	48%	84
	26 - 64	77%	24%	2541	73%	27%	482
	64+	85%	15%	332	96%	4%	84
Driver - Race	Caucasian	80%	21%	2397	80%	20%	442
	African American	66%	34%	829	57%	43%	175
	Other	76%	25%	94	72%	28%	29
Passenger - Sex	Male	71%	29%	272	65%	35%	272
	Female	79%	21%	374	80%	21%	375
Passenger - Age	0 - 4	83%	17%	18	72%	28%	18
	5 - 14	83%	17%	77	81%	19%	78
	15 - 25	66%	34%	160	56%	44%	160
	26 - 64	75%	25%	296	75%	25%	296
	65+	86%	14%	94	93%	7%	94
Passenger - Race	Caucasian	82%	18%	430	80%	20%	431
	African American	60%	40%	176	56%	44%	176
	Other	71%	29%	34	74%	27%	34

## HANCOCK COUNTY

The seat belt usage rate in Hancock County for all occupants (*drivers and passengers*) increased from 81% to 85% from the Baseline to the June Survey (Figure 18). The usage rate remained at 85% during the September Survey. The September and June Surveys indicate that Hancock County meets the NHTSA's target usage rate of 85%. It should be noted that findings for this county are based on a relatively low number of observations, however.

**FIGURE 18: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



The overall seat belt usage rate in Hancock County was 85% for drivers and 81% for passengers (Table 18). The drivers showed an increase from the Baseline (82%) to the June (86%) Survey. The rate remained constant at 86% in the September Survey. While the passenger rate remained constant at 80% from the Baseline to the June Survey, there was an increase to 83% for the September Survey. It is important for Hancock County to target pickup truck drivers, males, drivers and passengers between 15 and 25 years of age, and passengers 26-64 years of age in hopes of increasing their usage rates.

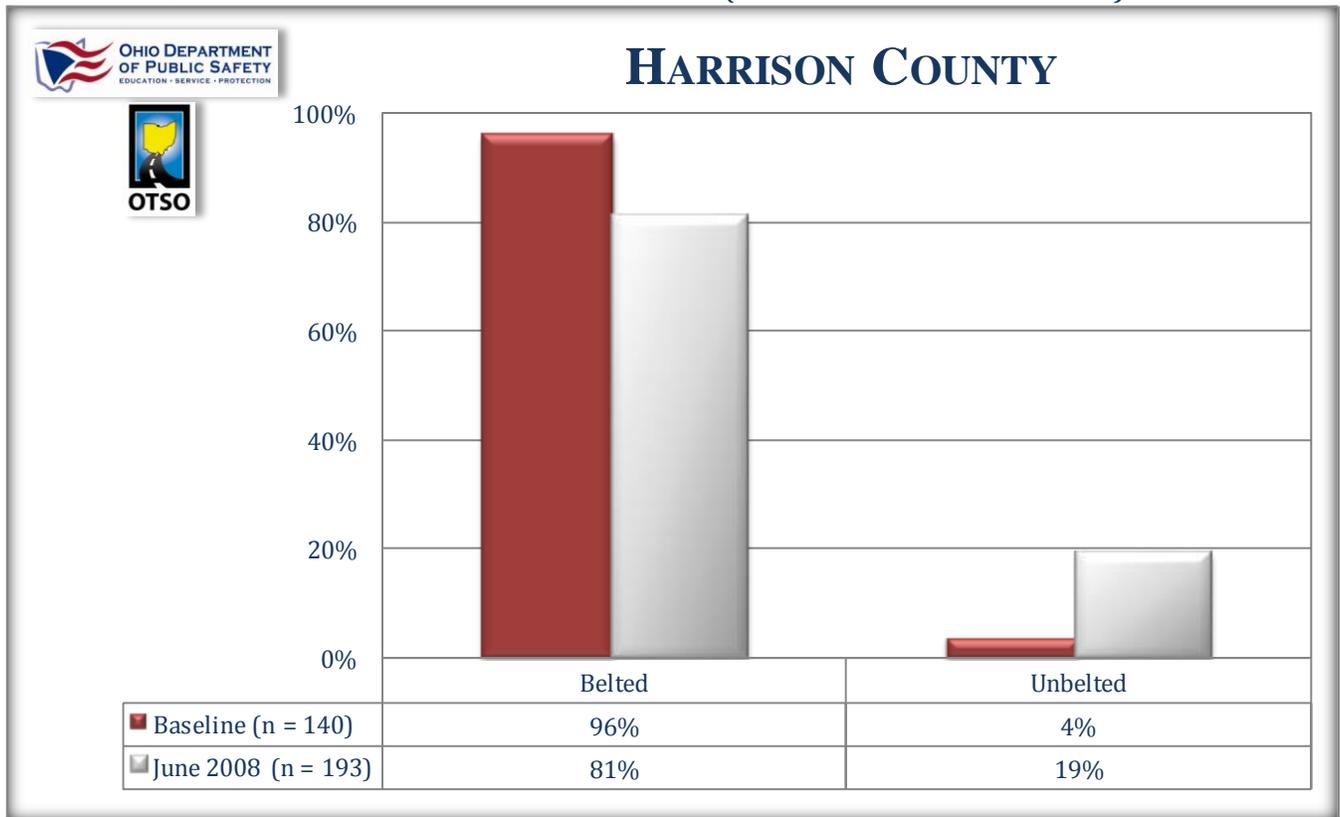
**TABLE 18: CROSS-TABULATION OF HANCOCK COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Hancock County</b>		<b>85%</b>	<b>16%</b>	<b>897</b>	<b>81%</b>	<b>19%</b>	<b>233</b>
Survey <sup>a</sup>	Baseline	82%	18%	309	80%	21%	88
	June 2008	86%	14%	284	80%	20%	85
	September 2008	86%	15%	304	83%	17%	60
Vehicle Type	Passenger Car	84%	16%	469	77%	23%	115
	Van/Minivan	94%	7%	93	91%	9%	34
	SUV	87%	13%	188	80%	20%	46
	Pickup Truck	77%	23%	145	81%	19%	37
Driver - Sex	Male	82%	18%	529	82%	18%	150
	Female	88%	12%	367	78%	22%	83
Driver - Age	15 - 25	76%	24%	178	76%	24%	37
	26 - 64	85%	15%	569	79%	21%	152
	64+	92%	8%	149	91%	9%	44
Driver - Race	Caucasian	85%	15%	864	81%	19%	224
	African American	100%		11	100%		2
	Other	63%	38%	16	67%	33%	6
Passenger - Sex	Male	85%	16%	84	73%	27%	84
	Female	87%	13%	149	85%	15%	149
Passenger - Age	0 - 4	100%		1	100%		1
	5 - 14	80%	20%	25	72%	28%	25
	15 - 25	74%	26%	54	69%	32%	54
	26 - 64	91%	9%	111	84%	16%	111
	65+	93%	7%	42	93%	7%	42
Passenger - Race	Caucasian	88%	12%	220	81%	19%	220
	African American	100%		3	100%		3
	Other	67%	33%	6	67%	33%	6

## HARRISON COUNTY

In Harrison County, the seat belt usage rate decreased by 15% for all occupants (*drivers and passengers*) between the 2008 Baseline and the June Survey (Figure 19). Seat belt use started at 96% for the Baseline and decreased to 81% for the June Survey. The June Survey indicates that Harrison County is 4% below NHTSA's targeted usage rate of 85%. It should be noted that findings for this county are based on a relatively low number of observations, however, and findings are therefore inconclusive. No September Surveys for this county were submitted for analysis.

**FIGURE 19: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



The relatively small number of observations makes it impossible to draw meaningful conclusions; however, overall, 87% of observed drivers and 90% of observed passengers were belted (Table 19). In order to increase the usage rates there should be a broad target area, since the lack data makes it impossible to rely on the detailed rates provided here; however, according to other studies it has been known that the rate will increase with a focus on bettering perspectives of pickup truck drivers along with the younger drivers, usually ages 15-25.

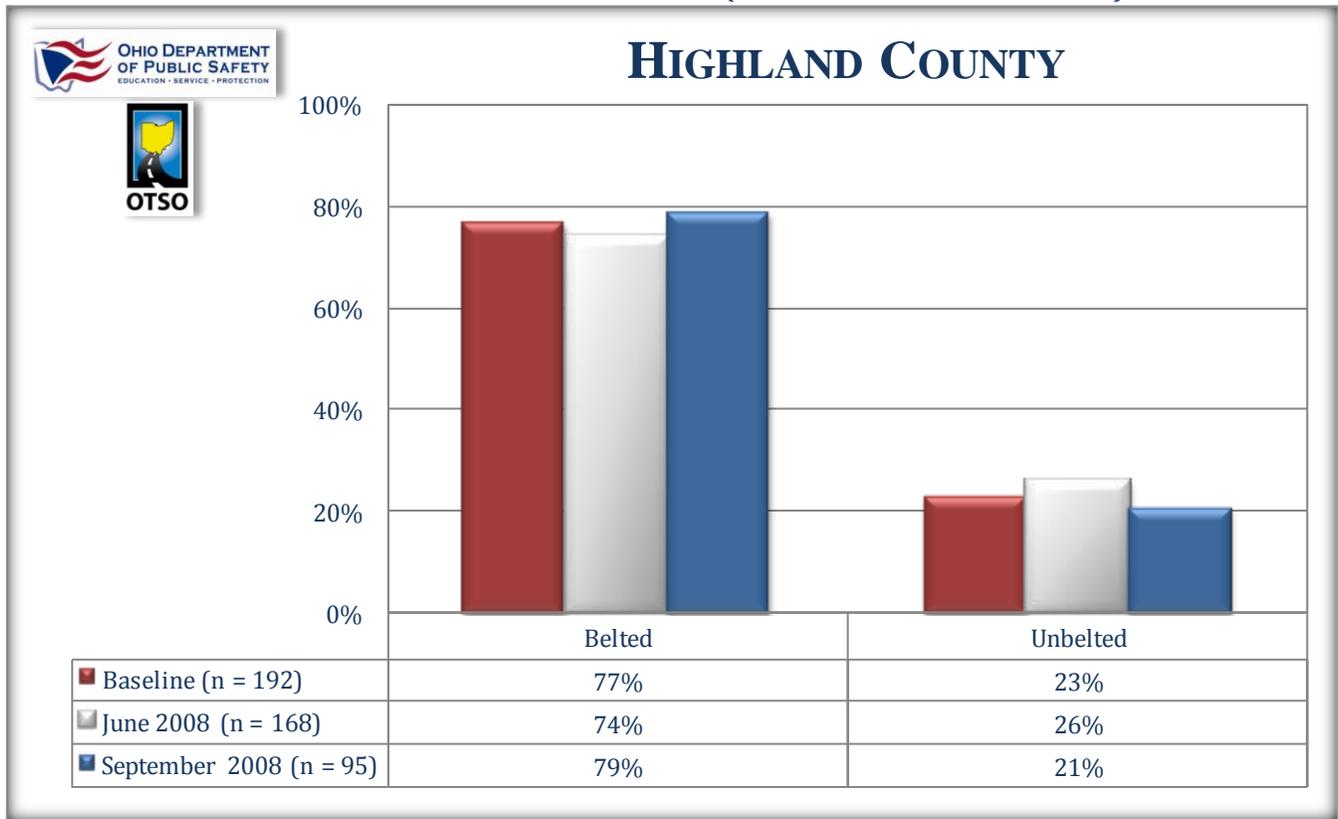
**TABLE 19: CROSS-TABULATION OF HARRISON COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Harrison County</b>		<b>87%</b>	<b>13%</b>	<b>265</b>	<b>90%</b>	<b>10%</b>	<b>68</b>
Survey <sup>a</sup>	Baseline	95%	5%	99	98%	2%	41
	June 2008	82%	18%	166	78%	22%	27
Vehicle Type	Passenger Car	91%	9%	118	93%	7%	28
	Van/Minivan	91%	9%	23	91%	9%	11
	SUV	79%	21%	43	90%	10%	10
	Pickup Truck	84%	17%	79	83%	17%	18
Driver - Sex	Male	86%	14%	167	84%	16%	44
	Female	88%	12%	95	100%		24
Driver - Age	15 - 25	86%	14%	58	89%	11%	18
	26 - 64	86%	14%	166	90%	10%	39
	64+	90%	10%	39	91%	9%	11
Driver - Race	Caucasian	88%	12%	235	88%	12%	51
	African American	82%	18%	22	91%	9%	11
	Other	75%	25%	4	100%		4
Passenger - Sex	Male	84%	16%	32	91%	9%	32
	Female	89%	11%	36	89%	11%	36
Passenger - Age	0 - 4	100%		3	100%		3
	5 - 14	57%	43%	7	57%	43%	7
	15 - 25	90%	10%	20	95%	5%	20
	26 - 64	89%	11%	27	93%	7%	27
	65+	91%	9%	11	91%	9%	11
Passenger - Race	Caucasian	89%	11%	56	89%	11%	56
	African American	67%	33%	9	100%		9
	Other	100%		2	100%		2

## HIGHLAND COUNTY

Figure 20 illustrates that seat belt use in Highland County for all occupants (*drivers and passengers*) increased by only 2% overall between the Baseline (77%) and the June Survey (74%) and September Surveys (79%). The September Survey indicates that Highland County is 6 percentage points away from NHTSA's targeted usage rate of 85%. It should be noted that findings for this county are based on a relatively low number of observations.

**FIGURE 20: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Due to the fact that there was a relatively small number of observations for Highland County, it is very difficult to draw any meaningful conclusions with regard to targeted populations; but, we can see that overall, 74% of observed drivers and 85% of observed passengers were belted (Table 20).

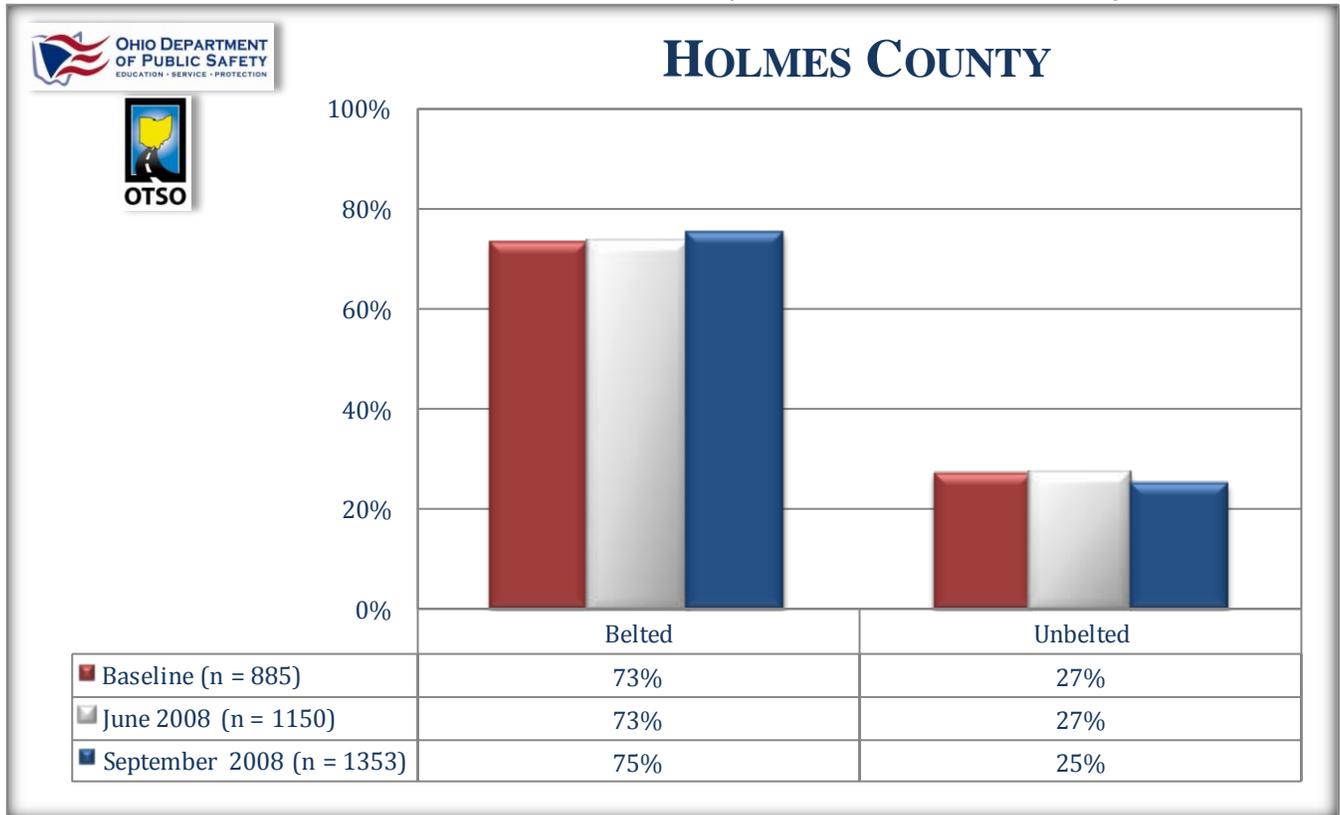
**TABLE 20: CROSS-TABULATION OF HIGHLAND COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Highland County</b>		<b>74%</b>	<b>26%</b>	<b>373</b>	<b>85%</b>	<b>15%</b>	<b>82</b>
Survey <sup>a</sup>	Baseline	74%	26%	145	85%	15%	47
	June 2008	72%	28%	146	91%	9%	22
	September 2008	79%	21%	82	77%	23%	13
Vehicle Type	Passenger Car	73%	27%	133	85%	15%	27
	Van/Minivan	89%	11%	37	93%	7%	14
	SUV	86%	14%	72	100%		16
	Pickup Truck	65%	35%	130	75%	25%	24
Driver - Sex	Male	69%	31%	220	76%	24%	45
	Female	82%	18%	152	97%	3%	37
Driver - Age	15 - 25	79%	21%	47	82%	18%	11
	26 - 64	74%	26%	266	82%	18%	55
	64+	75%	25%	59	100%		15
Driver - Race	Caucasian	74%	26%	339	87%	14%	74
	African American	75%	25%	24	75%	25%	4
	Other	60%	40%	5		100%	1
Passenger - Sex	Male	83%	17%	29	76%	24%	29
	Female	81%	19%	53	91%	9%	53
Passenger - Age	0 - 4	100%		3	100%		3
	5 - 14	84%	16%	19	90%	11%	19
	15 - 25	89%	11%	18	89%	11%	18
	26 - 64	75%	25%	28	71%	29%	28
	65+	79%	21%	14	100%		14
Passenger - Race	Caucasian	83%	17%	76	87%	13%	76
	African American	75%	25%	4	75%	25%	4
	Other		100%	1		100%	1

## HOLMES COUNTY

A slight, consistent increase of 2% in seat belt use can be seen for Holmes County for all occupants (*drivers and passengers*) from the Baseline (73%) to the June (73%) and September (75%) Surveys (Figure 21). The county is still 10 points away from NHTSA’s targeted usage rate of 85% for Ohio, however.

**FIGURE 21: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 74% of drivers and 72% of passengers were belted in Holmes County (Table 21). There was a constant rate for both the passengers and the drivers from the Baseline to the June survey. During the September Survey, however, there was a 4% increase for drivers and a 2% decrease for passengers. Targeting pickup truck occupants, males, and occupants between 15-25 years of age should help Holmes County increase their overall seat belt usage rate in the future.

**TABLE 21: CROSS-TABULATION OF HOLMES COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Holmes County</b>		<b>74%</b>	<b>26%</b>	<b>2583</b>	<b>72%</b>	<b>28%</b>	<b>805</b>
Survey <sup>a</sup>	Baseline	72%	28%	674	73%	27%	211
	June 2008	72%	28%	840	73%	27%	310
	September 2008	76%	24%	1069	71%	29%	284
Vehicle Type	Passenger Car	78%	22%	1037	73%	27%	327
	Van/Minivan	82%	18%	392	83%	18%	166
	SUV	77%	23%	491	73%	27%	134
	Pickup Truck	61%	39%	663	61%	39%	177
Driver - Sex	Male	70%	30%	1450	73%	27%	511
	Female	79%	21%	1133	71%	29%	293
Driver - Age	15 - 25	63%	38%	368	54%	46%	93
	26 - 64	73%	27%	1375	72%	28%	433
	64+	83%	17%	502	82%	18%	210
Driver - Race	Caucasian	73%	27%	2229	73%	27%	728
	African American	100%		2	100%		1
	Other	55%	46%	11	57%	43%	7
Passenger - Sex	Male	68%	32%	260	61%	39%	261
	Female	81%	19%	544	78%	22%	544
Passenger - Age	0 - 4	50%	50%	4	25%	75%	4
	5 - 14	79%	21%	58	71%	29%	58
	15 - 25	63%	37%	123	56%	44%	123
	26 - 64	74%	26%	329	72%	28%	330
	65+	88%	12%	222	83%	17%	222
Passenger - Race	Caucasian	77%	23%	719	73%	27%	720
	African American	80%	20%	5	60%	40%	5
	Other	60%	40%	10	60%	40%	10

## HURON COUNTY

Figure 22 shows that seat belt use in Huron County for all occupants (*drivers and passengers*) decreased from 86% to 85% from the Baseline to the June Survey. Another slight decrease can be seen from the June Survey (85%) to the September Survey (83%) accounting for a 3% decrease overall. Although this was a decrease, the county is only 2 percentage points away from NHTSA’s target usage rate of 85% for the state of Ohio. It should be noted that findings for this county are based on a relatively low number of observations, and are therefore inconclusive.

**FIGURE 22: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

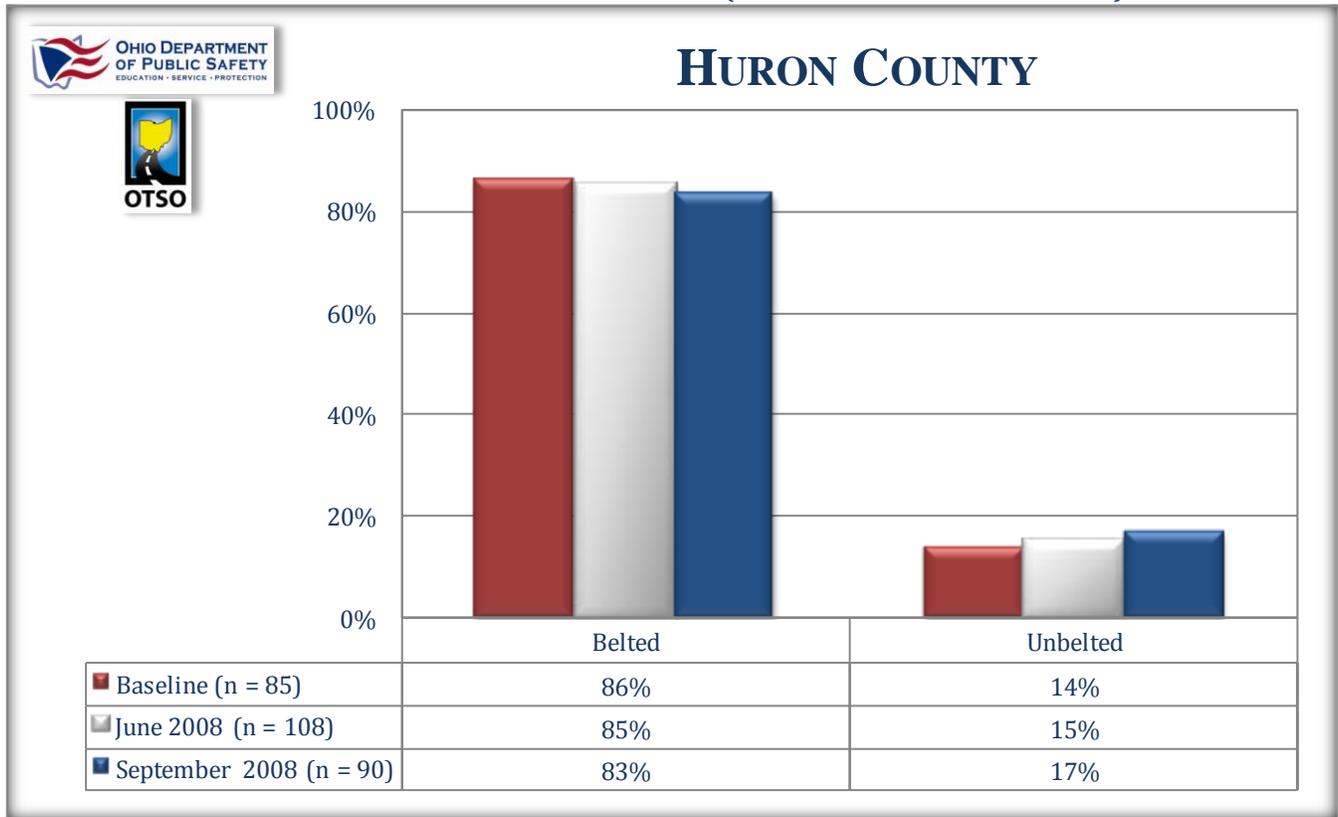


Table 22 illustrates that there was a very small number of observations for Huron County, which makes it difficult to draw any meaningful conclusions; however, there was an overall usage rate of 86% for the observed drivers and 75% for the observed passengers. Targeting pickup trucks and male passengers may help to increase the usage rates for Huron County in the future.

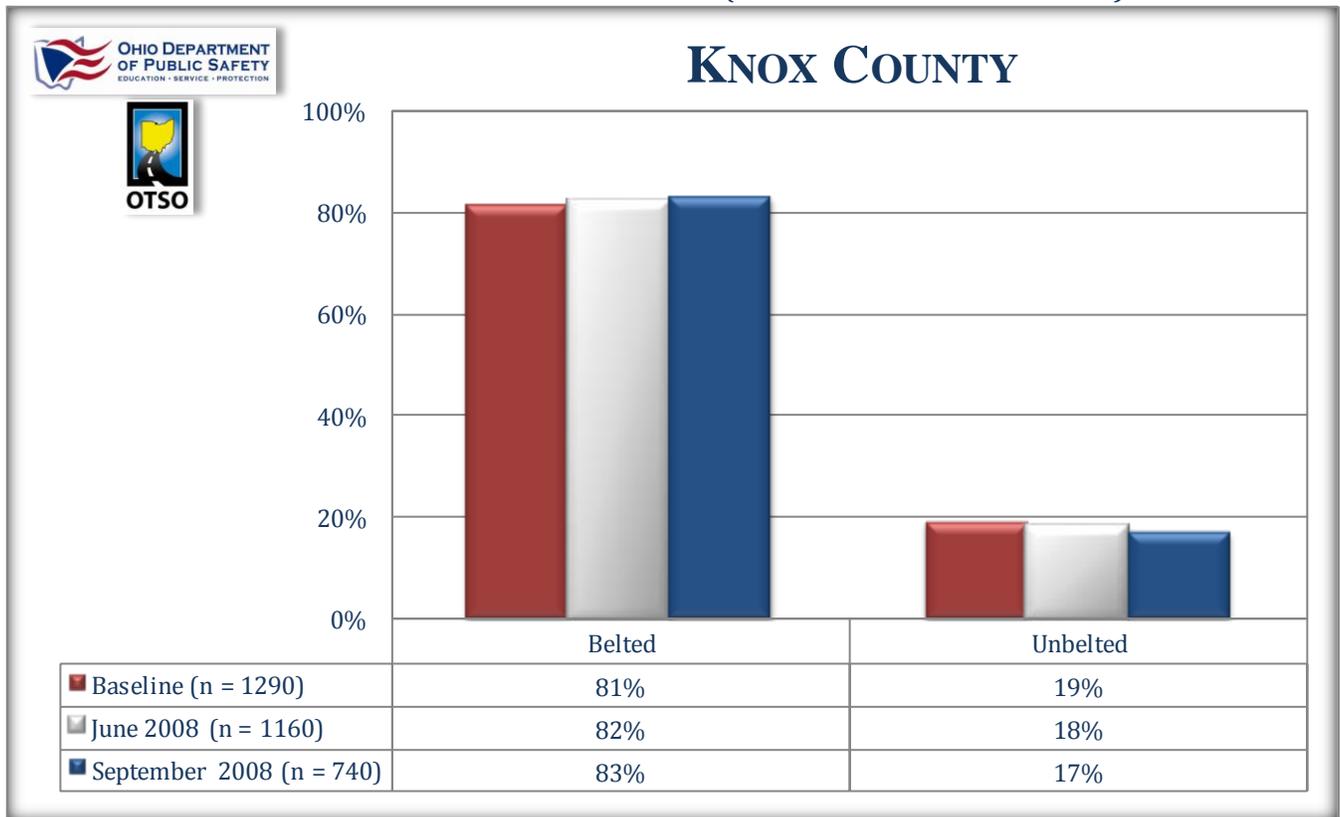
**TABLE 22: CROSS-TABULATION OF HURON COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Huron County</b>		<b>86%</b>	<b>14%</b>	<b>243</b>	<b>75%</b>	<b>25%</b>	<b>40</b>
Survey <sup>a</sup>	Baseline	87%	14%	74	82%	18%	11
	June 2008	89%	11%	92	63%	38%	16
	September 2008	83%	17%	77	85%	15%	13
Vehicle Type	Passenger Car	87%	13%	119	67%	33%	21
	Van/Minivan	93%	7%	15	100%		6
	SUV	90%	11%	57	86%	14%	7
	Pickup Truck	81%	19%	52	67%	33%	6
Driver - Sex	Male	86%	14%	109	82%	18%	17
	Female	87%	13%	134	70%	30%	23
Driver - Age	15 - 25	84%	16%	44	78%	22%	9
	26 - 64	86%	14%	183	72%	28%	25
	64+	94%	6%	16	83%	17%	6
Driver - Race	Caucasian	87%	13%	242	75%	25%	40
	African American		100%	1			
Passenger - Sex	Male	60%	40%	10	50%	50%	10
	Female	90%	10%	30	83%	17%	30
Passenger - Age	5 - 14	100%		3	100%		3
	15 - 25	71%	29%	14	64%	36%	14
	26 - 64	80%	20%	15	80%	20%	15
	65+	100%		8	75%	25%	8
Passenger - Race	Caucasian	83%	18%	40	75%	25%	40

## KNOX COUNTY

Figure 23 shows that the seat belt usage rate in Knox County for all occupants (*drivers and passengers*) increased slightly but steadily between the 2008 Baseline (81%) and the June (82%) and September Surveys (83%). The September Survey indicates that Knox County is only 2% below NHTSA's target usage rate of 85% for the state of Ohio.

**FIGURE 23: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 82% of drivers and 86% of passengers were belted in Knox County (Table 23). Results show that seat belt use stayed fairly constant for drivers over the three surveys, starting at 81% during the Baseline Survey; 83% for the June Survey; and 82% for the September Survey. Usage rates among passengers, however, increased significantly. Although rates apparently climbed among passengers, results for passengers are inconclusive due to the low number of observations made. While future seat belt use initiatives should be broad based, Knox County should consider targeting both pickup truck occupants and males in the future which should help them achieve the belt usage rate goal of 85% for Ohio. Again, it should be noted that there was a relatively low number of observed passengers for Knox County.

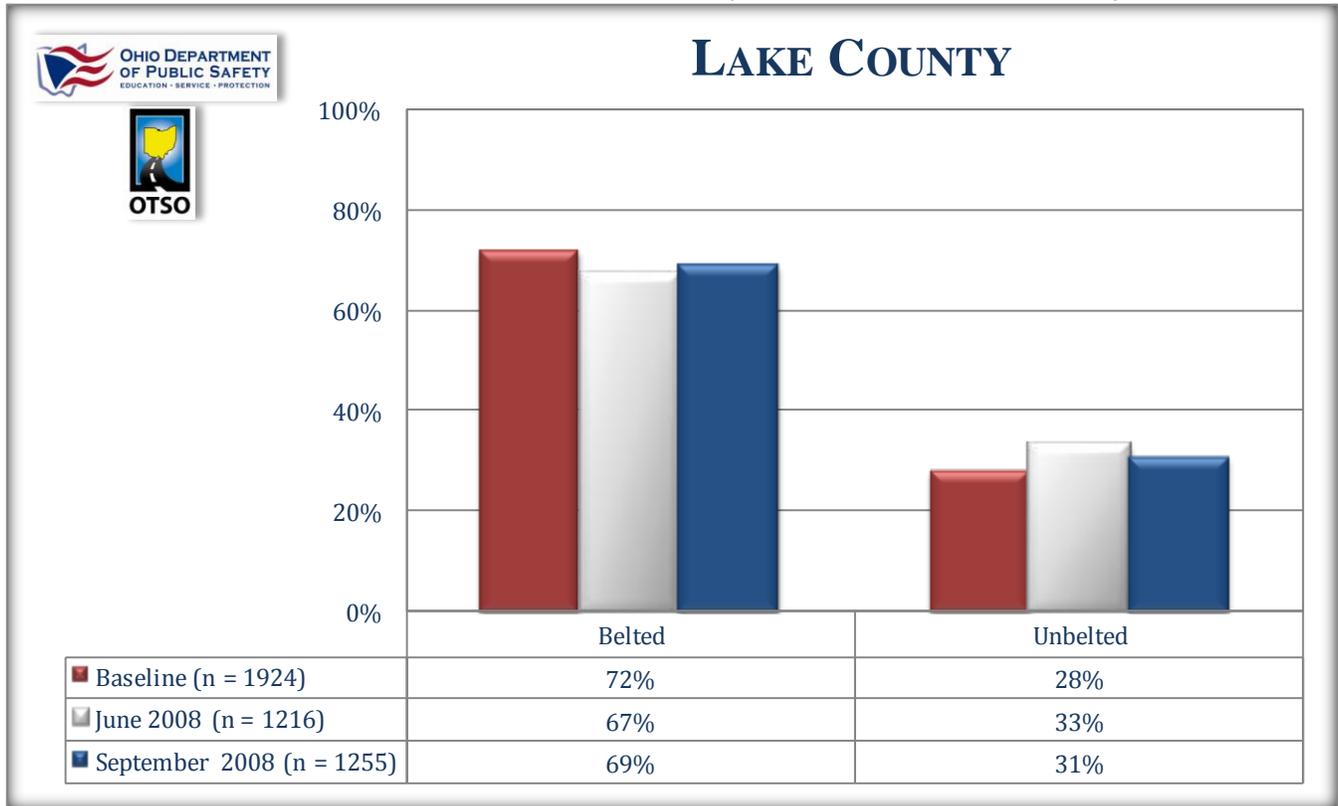
**TABLE 23: CROSS-TABULATION OF KNOX COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Knox County</b>		<b>82%</b>	<b>18%</b>	<b>3134</b>	<b>86%</b>	<b>14%</b>	<b>56</b>
Survey <sup>a</sup>	Baseline	81%	19%	1284	67%	33%	6
	June 2008	83%	18%	1142	78%	22%	18
	September 2008	82%	18%	708	94%	6%	32
Vehicle Type	Passenger Car	84%	17%	1408	92%	8%	24
	Van/Minivan	85%	15%	365	100%		6
	SUV	84%	16%	727	82%	18%	17
	Pickup Truck	74%	26%	632	67%	33%	9
Driver - Sex	Male	78%	22%	1600	83%	17%	30
	Female	86%	14%	1524	88%	12%	25
Driver - Age	15 - 25	77%	23%	513	67%	33%	6
	26 - 64	83%	18%	2028	84%	16%	37
	64+	84%	17%	593	100%		13
Driver - Race	Caucasian	82%	18%	3069	85%	15%	53
	African American	80%	20%	51	100%		1
	Other	83%	17%	12			
Passenger - Sex	Male	80%	20%	15	67%	33%	15
	Female	85%	15%	40	93%	8%	40
Passenger - Age	5 - 14	86%	14%	7	86%	14%	7
	15 - 25	90%	10%	10	80%	20%	10
	26 - 64	77%	23%	26	85%	15%	26
	65+	92%	8%	12	92%	8%	12
Passenger - Race	Caucasian	83%	17%	53	85%	15%	53
	African American	100%		1	100%		1

## LAKE COUNTY

Figure 24 illustrates a slight fluctuation in seat belt use for all occupants (*drivers and passengers*) in Lake County. A 5% decrease can be seen from the Baseline (72%) to the June Survey (67%). The usage rate then rose to 69% during the September Survey. The rate shown in September is still 16% below NHTSA's target usage rate of 85% for Ohio.

**FIGURE 24: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 70% of drivers and 69% of passengers were belted in Lake County (Table 24). There was a slight decrease for both the drivers and the passengers throughout all three surveys. Initiatives to increase seat belt use should be broad based. Nevertheless, targeting both drivers and passengers of pickup trucks, males, younger drivers and their passengers, and African American drivers and their passengers should help to increase seat belt usage rates in Lake County.

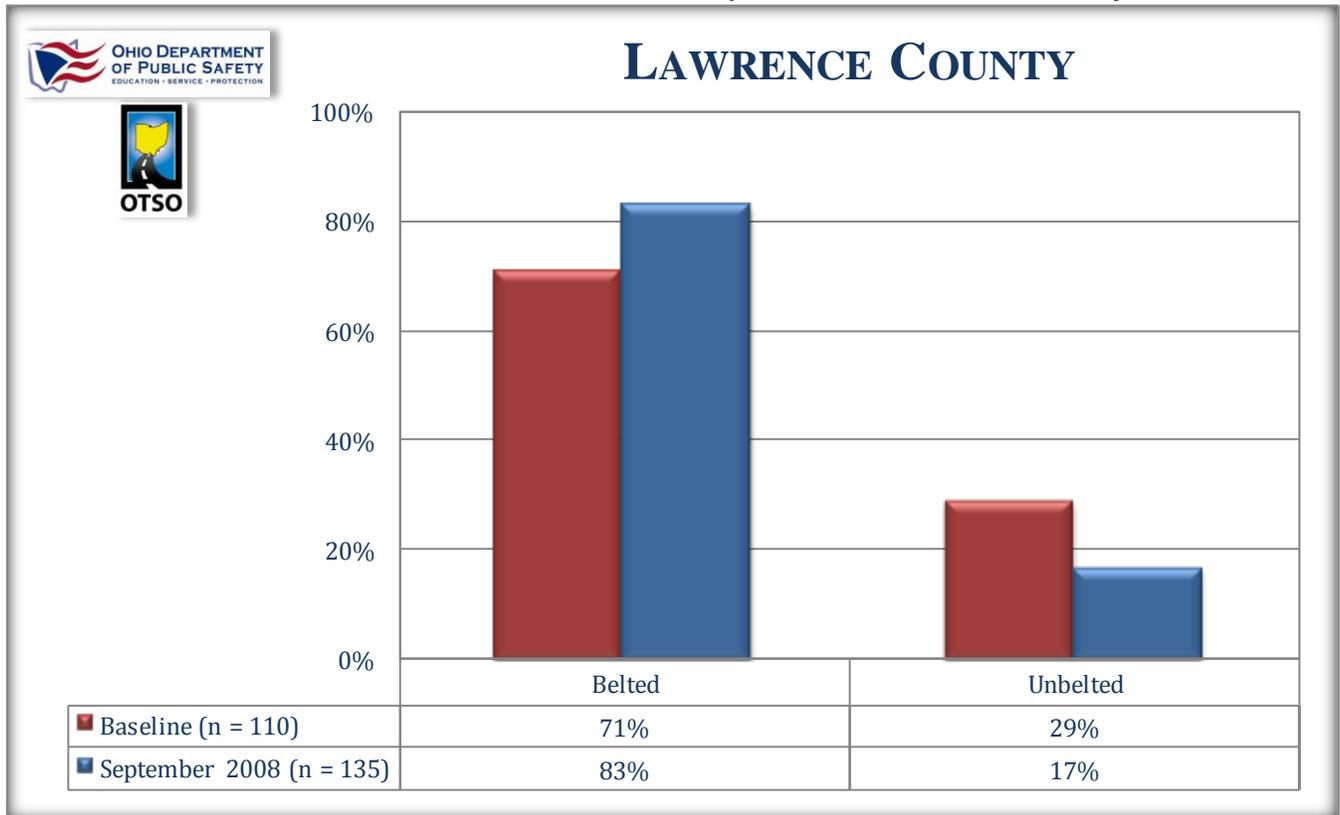
**TABLE 24: CROSS-TABULATION OF LAKE COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Lake County</b>		<b>70%</b>	<b>30%</b>	<b>3712</b>	<b>69%</b>	<b>31%</b>	<b>683</b>
Survey <sup>a</sup>	Baseline	72%	28%	1633	70%	30%	291
	June 2008	66%	34%	1017	68%	32%	199
	September 2008	69%	31%	1062	68%	32%	193
Vehicle Type	Passenger Car	69%	31%	2020	69%	31%	394
	Van/Minivan	76%	24%	496	76%	24%	113
	SUV	73%	27%	646	77%	23%	96
	Pickup Truck	60%	40%	522	49%	51%	79
Driver - Sex	Male	66%	34%	2039	70%	31%	384
	Female	74%	26%	1660	69%	31%	293
Driver - Age	15 - 25	58%	42%	365	51%	49%	83
	26 - 64	70%	30%	2950	69%	31%	487
	64+	79%	21%	351	83%	17%	106
Driver - Race	Caucasian	70%	30%	3467	70%	30%	619
	African American	62%	38%	171	49%	51%	43
	Other	71%	29%	21	50%	50%	6
Passenger - Sex	Male	66%	34%	259	59%	41%	259
	Female	75%	25%	424	76%	25%	424
Passenger - Age	0 - 4	100%		8	100%		8
	5 - 14	75%	25%	63	76%	24%	63
	15 - 25	63%	37%	152	55%	45%	152
	26 - 64	71%	29%	342	68%	32%	342
	65+	80%	20%	110	83%	17%	110
Passenger - Race	Caucasian	74%	26%	605	71%	29%	605
	African American	55%	46%	44	47%	54%	43
	Other	67%	33%	6	50%	50%	6

## LAWRENCE COUNTY

Figure 25 illustrates a 12% increase for all occupants (*drivers and passengers*) in Lawrence County. The large increase from the Baseline (71%) to the September Survey (83%) brought the county within 2 percentage points of NHSTA's target usage rate of 85% for Ohio. It should be noted that findings for this county are based on a relatively low number of observations, however. No June Surveys for this county were submitted for analysis.

**FIGURE 25: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Due to the low number of observations in Lawrence County, it is difficult to come to any meaningful conclusions regarding seat belt use (Table 25). There was an overall seat belt usage of 77% for observed drivers and 80% for the observed passengers. Further initiatives to increase seat belt use should be broad based and target all populations.

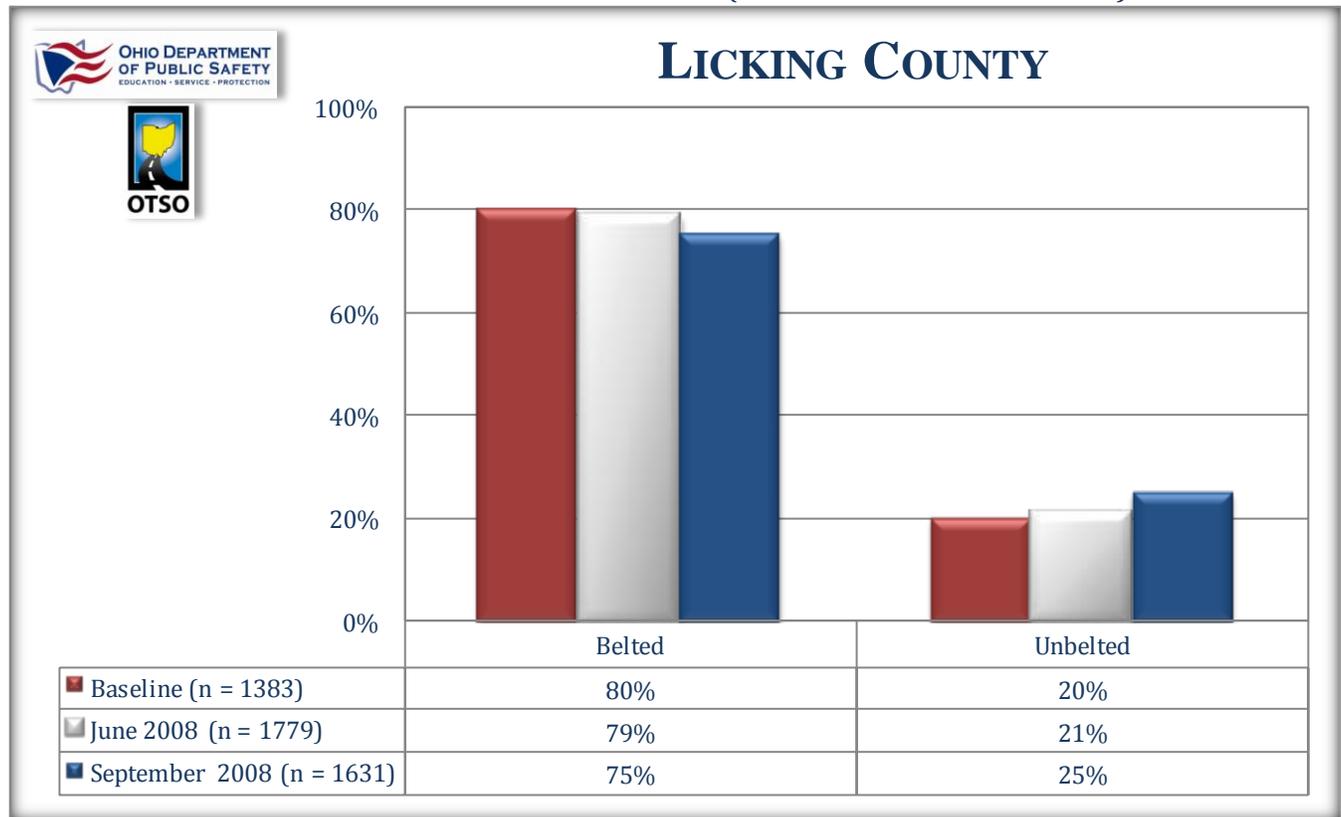
**TABLE 25: CROSS-TABULATION OF LAWRENCE COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Lawrence County</b>		<b>77%</b>	<b>23%</b>	<b>190</b>	<b>80%</b>	<b>20%</b>	<b>55</b>
Survey <sup>a</sup>	Baseline	68%	32%	84	81%	19%	26
	September 2008	84%	16%	106	79%	21%	29
Vehicle Type	Passenger Car	73%	27%	104	70%	30%	30
	Van/Minivan	87%	13%	23	100%		8
	SUV	82%	18%	17	50%	50%	2
	Pickup Truck	78%	22%	46	93%	7%	15
Driver - Sex	Male	67%	33%	102	76%	24%	29
	Female	88%	12%	86	85%	15%	26
Driver - Age	15 - 25	75%	25%	12	100%		1
	26 - 64	77%	23%	157	78%	22%	51
	64+	76%	24%	21	100%		3
Driver - Race	Caucasian	77%	23%	186	80%	20%	54
	African American	100%		1	100%		1
	Other	100%		1			
Passenger - Sex	Male	86%	14%	21	86%	14%	21
	Female	79%	21%	34	77%	24%	34
Passenger - Age	0 - 4	100%		1	100%		1
	5 - 14	86%	14%	7	86%	14%	7
	15 - 25	80%	20%	20	80%	20%	20
	26 - 64	80%	20%	25	76%	24%	25
	65+	100%		2	100%		2
Passenger - Race	Caucasian	81%	19%	52	79%	21%	52
	African American	100%		2	100%		2

## LICKING COUNTY

Results from Licking County show the seat belt usage rate for all occupants (*drivers and passengers*) was 80% for the Baseline, and decreased to 79% for the June Survey. The results then decreased further to 75% for the September Survey (Figure 26). The results from the September Survey indicate that Licking County is 10% away from NHTSA's target usage rate of 85% for Ohio.

**FIGURE 26: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, the seat belt usage rate in Licking County was 78% for drivers and 77% for passengers (Table 26). There was a constant decrease in seat belt usage among both the drivers and the passengers throughout all three surveys. Survey results indicate that initiatives designed to increase seat belt use in Licking County are not having the desired effect. Further efforts to increase seat belt use should target all populations, with special emphasis on pickup truck occupants, male passengers, and young occupants (i.e., ages 15-25 and 26-64).

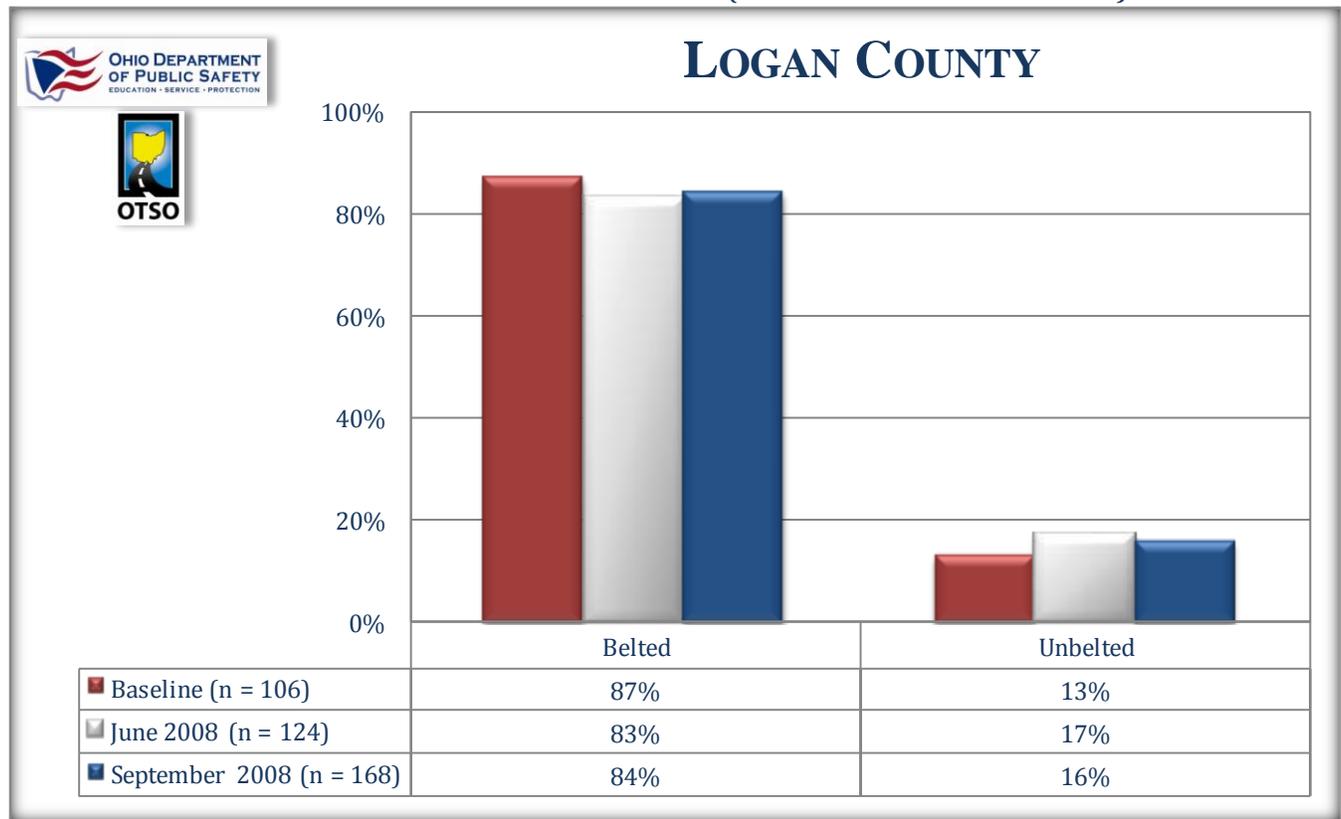
**TABLE 26: CROSS-TABULATION OF LICKING COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Licking County</b>		<b>78%</b>	<b>22%</b>	<b>3858</b>	<b>77%</b>	<b>23%</b>	<b>935</b>
Survey <sup>a</sup>	Baseline	81%	19%	1119	79%	21%	264
	June 2008	79%	21%	1404	78%	22%	375
	September 2008	75%	25%	1335	75%	25%	296
Vehicle Type	Passenger Car	79%	21%	1966	80%	20%	462
	Van/Minivan	82%	18%	430	79%	22%	144
	SUV	83%	17%	694	88%	12%	164
	Pickup Truck	70%	30%	768	59%	41%	165
Driver - Sex	Male	76%	24%	2208	77%	23%	557
	Female	81%	19%	1638	78%	22%	376
Driver - Age	15 - 25	72%	28%	689	61%	39%	142
	26 - 64	79%	21%	2784	78%	22%	667
	64+	86%	14%	369	92%	8%	123
Driver - Race	Caucasian	78%	22%	3731	77%	23%	896
	African American	76%	24%	62	79%	21%	14
	Other	85%	15%	20	100%		8
Passenger - Sex	Male	79%	21%	360	71%	29%	360
	Female	83%	17%	570	82%	18%	571
Passenger - Age	0 - 4	50%	50%	2	50%	50%	2
	5 - 14	82%	18%	51	75%	26%	51
	15 - 25	70%	30%	203	70%	31%	203
	26 - 64	82%	18%	506	78%	22%	507
	65+	94%	6%	149	90%	10%	149
Passenger - Race	Caucasian	81%	19%	900	77%	23%	901
	African American	77%	23%	13	83%	17%	12
	Other	94%	6%	17	88%	12%	17

## LOGAN COUNTY

Results for all occupants (*drivers and passengers*) in Logan County show that seat belt use decreased from 87% during the Baseline to 83% for the June Survey. A slight increase of 1% occurred between the June and the September Surveys (Figure 27). These results indicate that Logan County is 1% below NHTSA's target usage rate of 85% for Ohio. It should be noted that findings for this county are based on a relatively low number of observations, however.

**FIGURE 27: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



While there were relatively few observations in Logan County, the overall seat belt usage rate was 85% for the observed drivers and 80% for the observed passengers (Table 27). Based on the data available and on prior studies, further initiatives to increase seat belt use in Logan County should encompass all populations, with special emphasis on pickup truck drivers along with younger passengers.

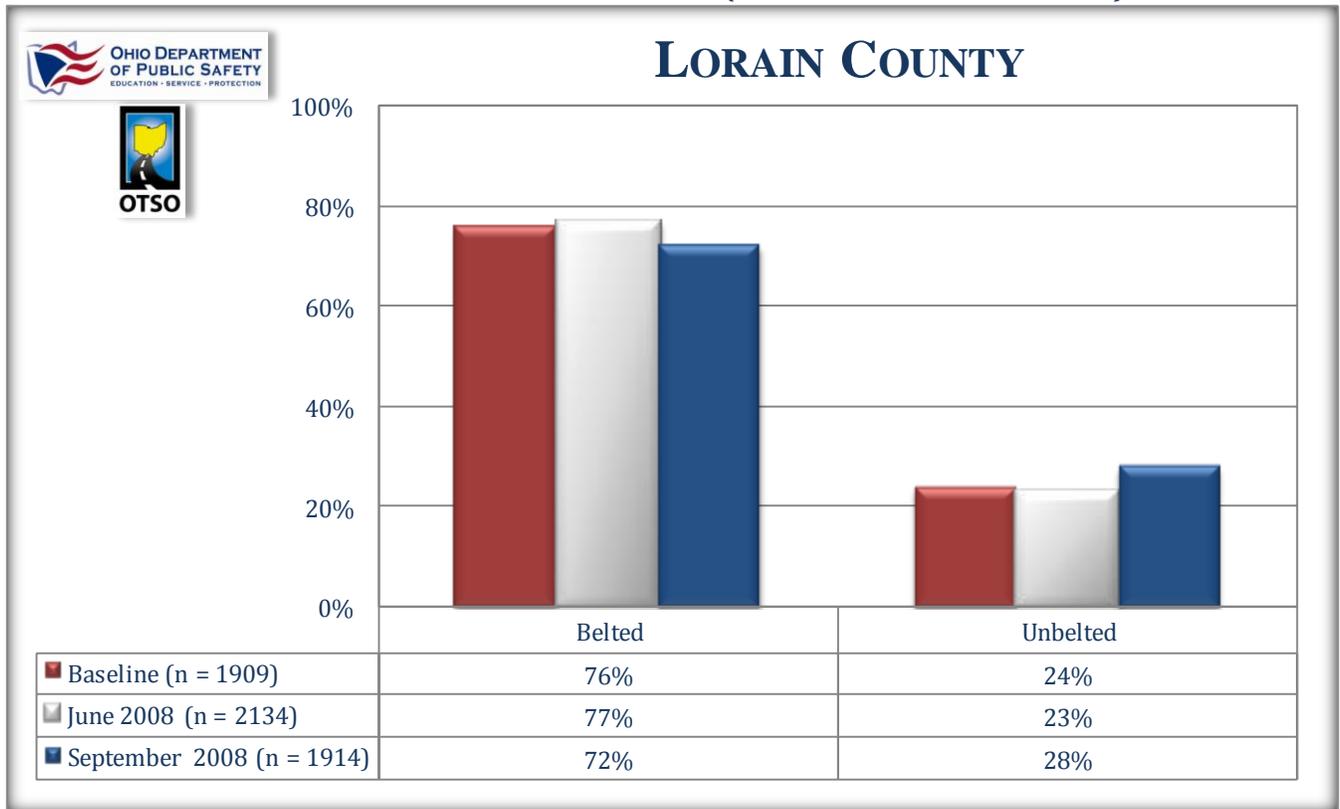
**TABLE 27: CROSS-TABULATION OF LOGAN COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Logan County</b>		<b>85%</b>	<b>15%</b>	<b>332</b>	<b>80%</b>	<b>20%</b>	<b>66</b>
Survey <sup>a</sup>	Baseline	87%	13%	85	86%	14%	21
	June 2008	83%	17%	108	81%	19%	16
	September 2008	86%	14%	139	76%	24%	29
Vehicle Type	Passenger Car	90%	10%	155	81%	19%	37
	Van/Minivan	88%	13%	32	86%	14%	7
	SUV	87%	13%	71	75%	25%	12
	Pickup Truck	72%	28%	74	80%	20%	10
Driver - Sex	Male	84%	16%	217	77%	23%	35
	Female	88%	12%	114	84%	16%	31
Driver - Age	15 - 25	91%	9%	32	70%	30%	10
	26 - 64	84%	16%	287	80%	20%	51
	64+	91%	9%	11	100%		4
Driver - Race	Caucasian	85%	15%	324	81%	19%	62
	African American	100%		4	67%	33%	3
	Other	100%		3			
Passenger - Sex	Male	82%	18%	22	73%	27%	22
	Female	86%	14%	44	84%	16%	44
Passenger - Age	5 - 14	86%	14%	7	100%		7
	15 - 25	71%	29%	17	65%	35%	17
	26 - 64	91%	9%	34	88%	12%	34
	65+	88%	13%	8	63%	38%	8
Passenger - Race	Caucasian	84%	16%	64	81%	19%	64
	African American	100%		2	50%	50%	2

# LORAIN COUNTY

The seat belt usage rate for all occupants (*drivers and passengers*) in Lorain County fluctuated slightly between the 2008 Baseline (76%) and the June (77%) and September (72%) Surveys (Figure 28). The September results are still 13% below NHTSA's target usage rate of 85% for the state of Ohio.

**FIGURE 28: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Lorain County had an overall seat belt usage rate of 75% for drivers and 76% for passengers (Table 28). Driver usage rates decreased for both the drivers and the passengers from the Baseline to September surveys. Targeting pickup truck occupants, male passengers, and younger occupants, especially those between 15-25 years of age should help Lorain County increase its overall seat belt usage rate.

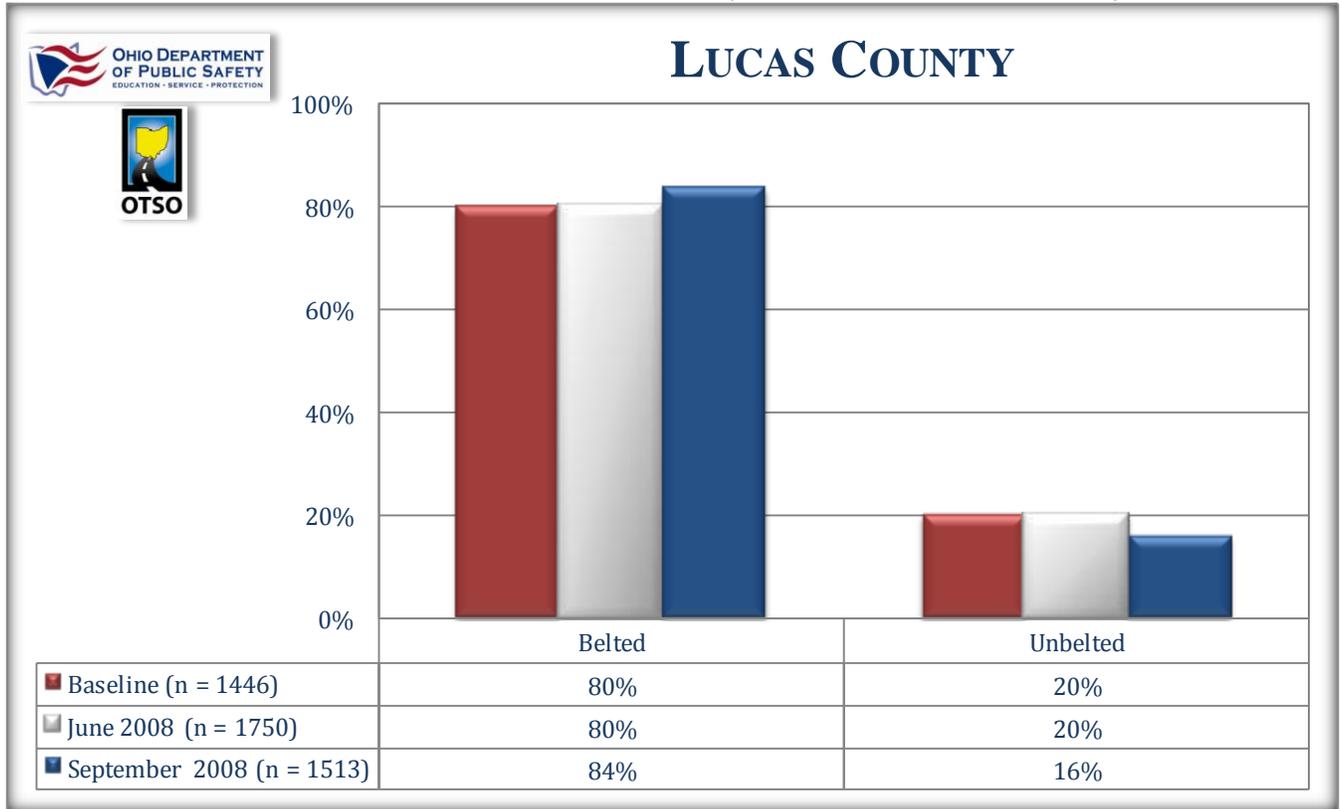
**TABLE 28: CROSS-TABULATION OF LORAIN COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Lorain County</b>		<b>75%</b>	<b>25%</b>	<b>4976</b>	<b>76%</b>	<b>24%</b>	<b>981</b>
Survey <sup>a</sup>	Baseline	76%	24%	1566	77%	23%	343
	June 2008	77%	23%	1769	78%	22%	365
	September 2008	72%	28%	1641	71%	29%	273
Vehicle Type	Passenger Car	77%	23%	2644	78%	23%	512
	Van/Minivan	79%	21%	608	81%	19%	134
	SUV	76%	24%	910	75%	25%	178
	Pickup Truck	65%	35%	811	66%	34%	157
Driver - Sex	Male	72%	28%	2656	76%	24%	568
	Female	79%	21%	2290	76%	24%	408
Driver - Age	15 - 25	69%	31%	842	67%	33%	165
	26 - 64	75%	25%	3466	75%	25%	624
	64+	82%	18%	662	86%	14%	190
Driver - Race	Caucasian	76%	24%	4644	77%	23%	909
	African American	69%	31%	224	58%	42%	45
	Other	64%	36%	69	73%	27%	11
Passenger - Sex	Male	73%	27%	348	66%	34%	348
	Female	83%	17%	628	81%	19%	628
Passenger - Age	0 - 4	64%	36%	11	73%	27%	11
	5 - 14	80%	20%	106	81%	19%	106
	15 - 25	72%	28%	246	64%	36%	246
	26 - 64	79%	21%	408	76%	24%	408
	65+	88%	13%	208	87%	14%	208
Passenger - Race	Caucasian	79%	21%	880	77%	23%	880
	African American	77%	24%	51	59%	41%	51
	Other	63%	38%	16	69%	31%	16

# LUCAS COUNTY

Figure 29 illustrates that seat belt use in Lucas County for all occupants (*drivers and passengers*) remained at 80% for the Baseline and the June Surveys, and then increased to 84% during the September Survey. September’s Survey results indicate that Lucas County is 1percentage point away from NHTSA’s target usage rate of 85% for Ohio.

**FIGURE 29: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 81% of both observed drivers and passengers in Lucas County were belted (Table 29). There was a steady increase in seat belt use from the Baseline (80%) and the June (80%) Surveys to the September (84%) Survey for drivers, while the passenger's rate tended to fluctuate; with 81% for the Baseline, it soon declined to 80% for the June Survey and then increased to 83%. While all efforts to increase seat belt use are helpful, targeting pickup truck drivers and younger drivers should help to increase usage rates in Lucas County.

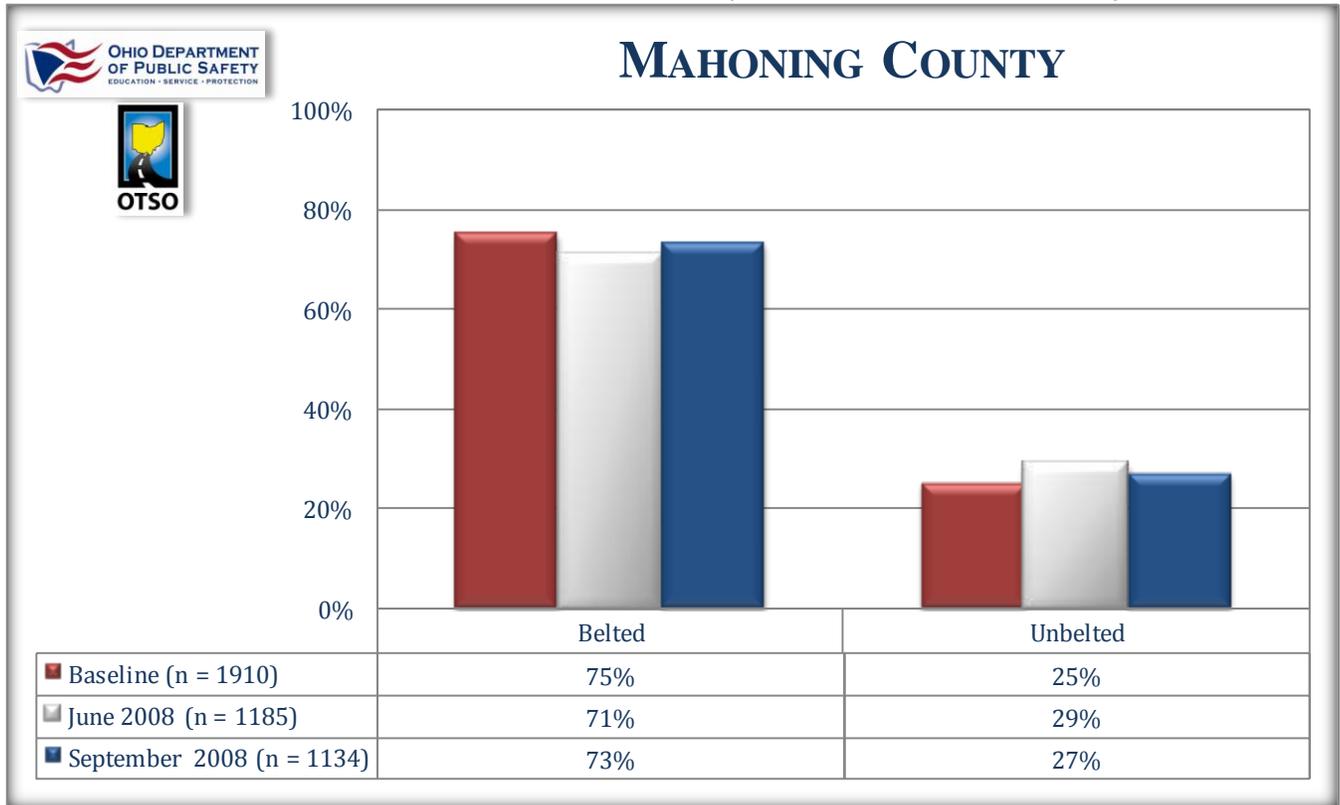
**TABLE 29: CROSS-TABULATION OF LUCAS COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Lucas County</b>		<b>81%</b>	<b>19%</b>	<b>3993</b>	<b>81%</b>	<b>19%</b>	<b>716</b>
Survey <sup>a</sup>	Baseline	80%	20%	1261	81%	20%	185
	June 2008	80%	20%	1392	80%	20%	358
	September 2008	84%	16%	1340	83%	17%	173
Vehicle Type	Passenger Car	82%	18%	2240	82%	18%	378
	Van/Minivan	84%	16%	523	82%	19%	151
	SUV	84%	16%	756	82%	18%	121
	Pickup Truck	72%	28%	473	70%	30%	66
Driver - Sex	Male	80%	20%	2151	81%	19%	394
	Female	83%	17%	1822	80%	20%	316
Driver - Age	15 - 25	75%	25%	706	77%	23%	123
	26 - 64	82%	18%	2905	81%	19%	492
	64+	84%	16%	372	84%	16%	99
Driver - Race	Caucasian	83%	17%	3472	83%	17%	595
	African American	69%	31%	404	71%	29%	80
	Other	61%	39%	71	58%	42%	19
Passenger - Sex	Male	78%	22%	256	71%	29%	256
	Female	88%	12%	451	86%	14%	450
Passenger - Age	0 - 4	90%	10%	10	100%		10
	5 - 14	86%	14%	70	89%	11%	70
	15 - 25	80%	20%	186	69%	31%	186
	26 - 64	86%	14%	344	83%	18%	343
	65+	83%	17%	100	89%	11%	100
Passenger - Race	Caucasian	86%	14%	575	83%	17%	574
	African American	79%	21%	80	68%	33%	80
	Other	50%	50%	18	61%	39%	18

## MAHONING COUNTY

Seat belt use in Mahoning County for all occupants (*drivers and passengers*) decreased from the Baseline (75%) to the June Survey (71%), and then slightly increased to 73% for the September Survey (Figure 30). Mahoning County is still 12% below NHTSA’s target usage rate of 85% for the state of Ohio according to the results found in September.

**FIGURE 30: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Mahoning County had an overall seat belt usage rate of 73% for drivers and 75% for the passengers (Table 30). The Baseline Survey results showed a 75% usage rate for drivers which decreased to 69% during the June Survey and then rose slightly to 73% for the September Survey, while passenger rates remained fairly constant throughout the three surveys. Special efforts to target pickup truck drivers, males, 15-25 year old occupants, and African Americans should help Mahoning County increase its seat belt usage rate.

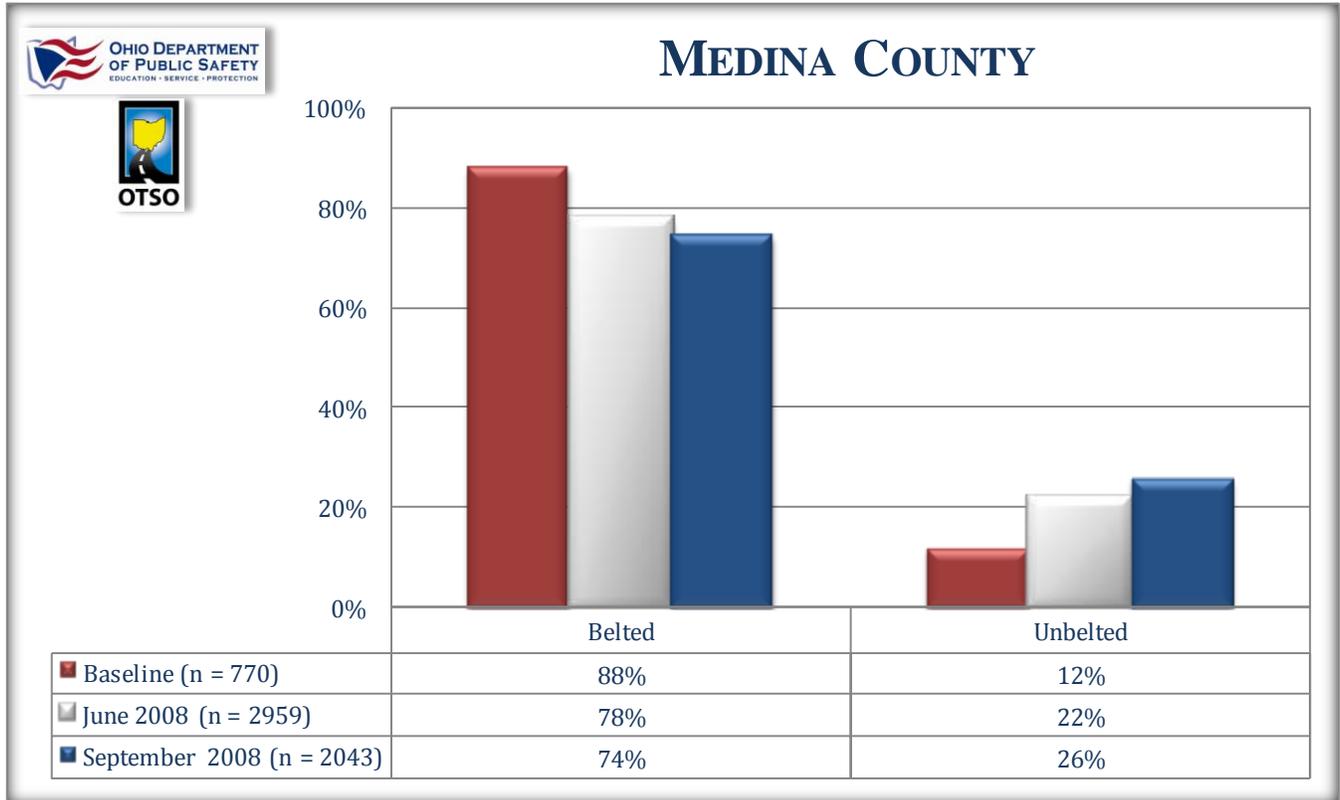
**TABLE 30: CROSS-TABULATION OF MAHONING COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Mahoning County</b>		<b>73%</b>	<b>27%</b>	<b>3341</b>	<b>75%</b>	<b>25%</b>	<b>888</b>
Survey <sup>a</sup>	Baseline	75%	25%	1499	75%	25%	411
	June 2008	69%	31%	912	76%	24%	273
	September 2008	73%	27%	930	75%	26%	204
Vehicle Type	Passenger Car	73%	27%	1886	74%	26%	515
	Van/Minivan	81%	19%	368	77%	23%	108
	SUV	78%	22%	582	84%	16%	155
	Pickup Truck	63%	38%	501	64%	36%	109
Driver - Sex	Male	69%	31%	1950	73%	27%	575
	Female	78%	22%	1388	79%	21%	312
Driver - Age	15 - 25	65%	35%	485	59%	41%	128
	26 - 64	74%	26%	2219	76%	24%	552
	64+	77%	24%	634	82%	18%	207
Driver - Race	Caucasian	74%	26%	3047	78%	22%	793
	African American	56%	44%	231	47%	53%	70
	Other	60%	40%	35	46%	54%	13
Passenger - Sex	Male	73%	27%	285	62%	38%	285
	Female	79%	22%	600	81%	19%	600
Passenger - Age	0 - 4	83%	17%	6	100%		6
	5 - 14	79%	21%	77	83%	17%	77
	15 - 25	71%	29%	198	64%	36%	198
	26 - 64	76%	24%	399	74%	26%	399
	65+	83%	17%	208	84%	16%	208
Passenger - Race	Caucasian	79%	21%	798	78%	22%	797
	African American	55%	45%	67	46%	54%	67
	Other	57%	43%	14	43%	57%	14

## MEDINA COUNTY

Figure 31 shows that seat belt use in Medina County for all occupants (*drivers and passengers*) decreased from 88% for the Baseline to 78% for the June Survey and then to 74% during the September Survey period. This 14% decrease brought Medina County 11% below NHTSA's target usage rate of 85% for the state of Ohio. The low number of observations in the Baseline Survey may have led to an overvalued baseline rate, and the lower rates (June/September) should be considered more accurate.

**FIGURE 31: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



The overall results for Medina County show a 77% seat belt usage rate for the drivers and an 81% rate for the passengers (Table 31). Decreases can be seen throughout the three survey periods for both passenger and drivers, with the exception of the September passenger rate. Targeting pickup truck occupants and male passengers along with occupants between 15 and 25 years of age would likely help Medina County see increases in seat belt use.

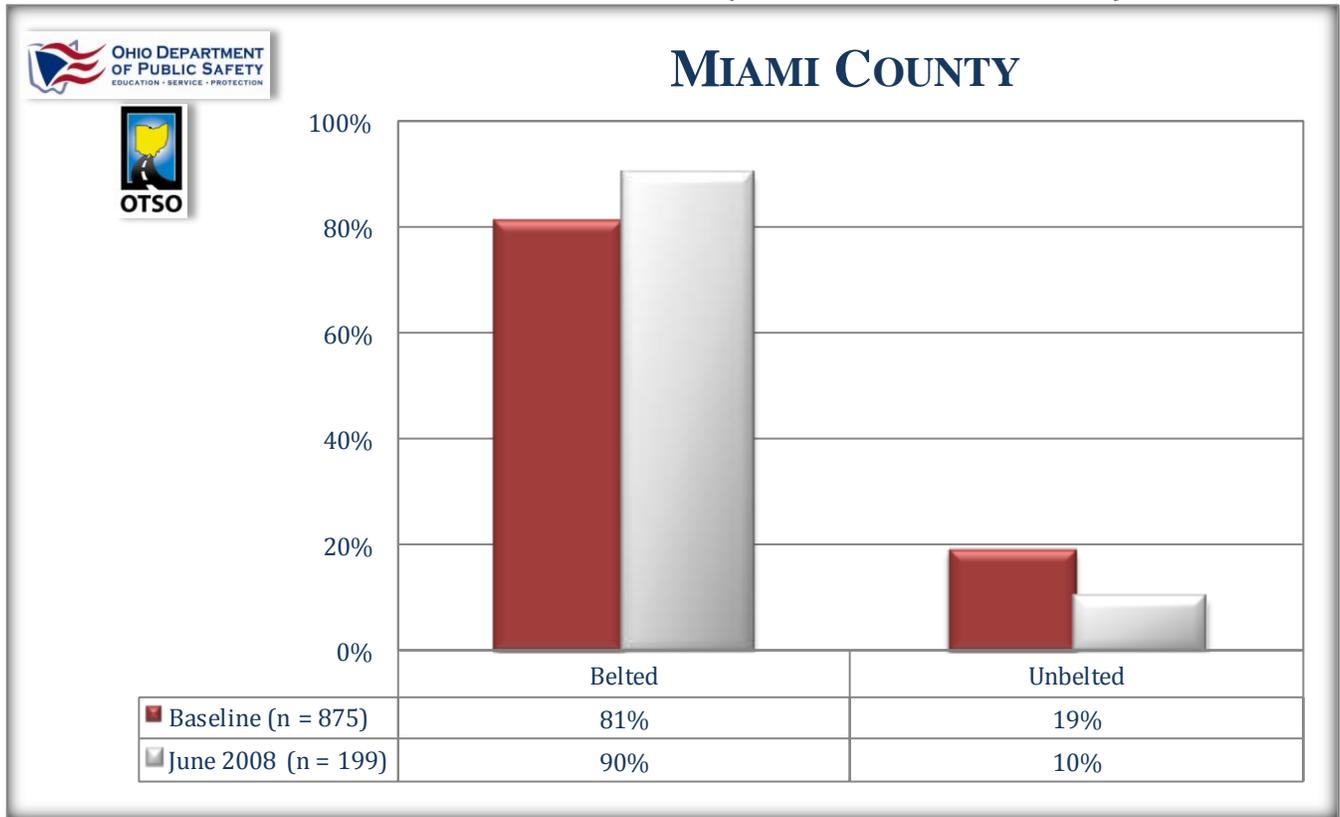
**TABLE 31: CROSS-TABULATION OF MEDINA COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Medina County</b>		<b>77%</b>	<b>23%</b>	<b>4719</b>	<b>81%</b>	<b>19%</b>	<b>1053</b>
Survey <sup>a</sup>	Baseline	86%	14%	593	92%	8%	177
	June 2008	78%	22%	2360	78%	23%	599
	September 2008	73%	27%	1766	81%	19%	277
Vehicle Type	Passenger Car	79%	21%	2415	79%	21%	524
	Van/Minivan	81%	19%	651	86%	14%	182
	SUV	80%	20%	837	86%	14%	212
	Pickup Truck	66%	34%	803	74%	26%	131
Driver - Sex	Male	75%	25%	2728	81%	19%	671
	Female	81%	19%	1959	80%	20%	367
Driver - Age	15 - 25	70%	30%	597	65%	35%	112
	26 - 64	78%	22%	3646	81%	19%	797
	64+	79%	21%	474	90%	10%	144
Driver - Race	Caucasian	77%	23%	4564	81%	19%	997
	African American	73%	27%	63	68%	32%	19
	Other	79%	21%	14	100%		5
Passenger - Sex	Male	75%	25%	341	71%	29%	341
	Female	84%	16%	710	85%	15%	709
Passenger - Age	0 - 4	100%		7	100%		7
	5 - 14	82%	18%	84	86%	14%	84
	15 - 25	75%	25%	248	71%	29%	248
	26 - 64	82%	18%	572	82%	18%	571
	65+	87%	13%	142	88%	12%	142
Passenger - Race	Caucasian	81%	19%	1013	81%	19%	1012
	African American	78%	22%	18	72%	28%	18
	Other	100%		7	86%	14%	7

## MIAMI COUNTY

Seat belt use in Miami County for all occupants (*drivers and passengers*) had a significant increase between the Baseline (81%) and the June Survey (90%) (Figure 32). This dramatic increase seemingly brought Miami County well over NHTSA's target usage rate of 85% for Ohio. It should be noted that findings for this county are based on relatively few observations for the June Survey, however. No September Surveys from this county were submitted for analysis.

**FIGURE 32: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



The overall seat belt usage rate in Miami County was 83% for drivers and 80% for passengers (Table 32). There was an 8% increase use between the Baseline (82%) and the June Survey (90%) for drivers. Seat belt use should increase in Miami County, if future initiatives target pickup truck occupants and occupants 15-25 years old, especially teens riding as passengers. Note: Low observation numbers for the June Survey make data from the later results less reliable.

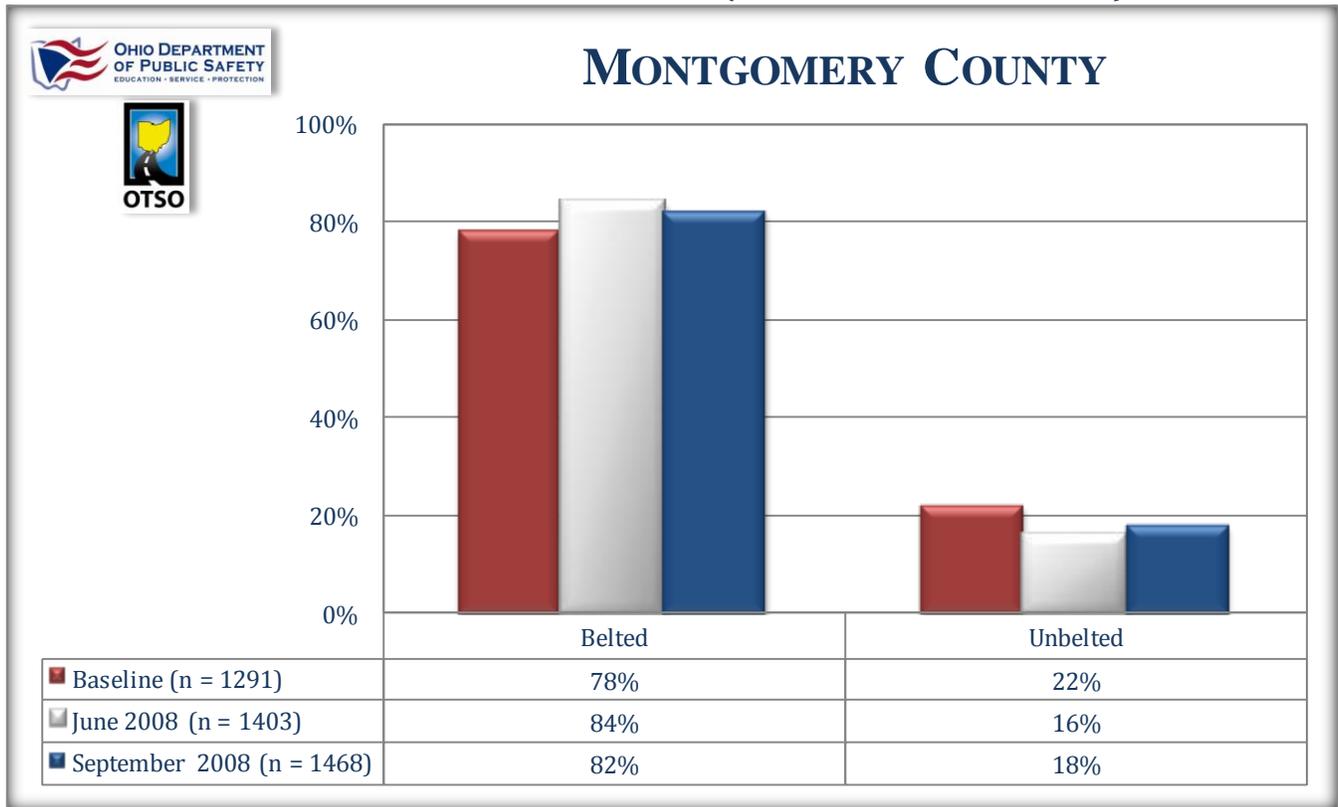
**TABLE 32: CROSS-TABULATION OF MIAMI COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Miami County</b>		<b>83%</b>	<b>17%</b>	<b>917</b>	<b>80%</b>	<b>20%</b>	<b>157</b>
Survey <sup>a</sup>	Baseline	82%	18%	743	77%	23%	132
	June 2008	90%	10%	174	96%	4%	25
Vehicle Type	Passenger Car	82%	18%	490	81%	19%	83
	Van/Minivan	89%	11%	106	83%	17%	24
	SUV	86%	14%	150	88%	13%	24
	Pickup Truck	79%	21%	171	69%	31%	26
Driver - Sex	Male	81%	19%	500	78%	22%	91
	Female	86%	14%	413	83%	17%	65
Driver - Age	15 - 25	71%	29%	49	43%	57%	7
	26 - 64	83%	17%	773	80%	20%	113
	64+	88%	12%	95	89%	11%	37
Driver - Race	Caucasian	83%	17%	882	80%	20%	151
	African American	79%	21%	24	75%	25%	4
	Other	100%		8	100%		2
Passenger - Sex	Male	76%	24%	59	78%	22%	59
	Female	84%	17%	97	82%	18%	98
Passenger - Age	5 - 14	92%	8%	12	92%	8%	12
	15 - 25	64%	36%	14	50%	50%	14
	26 - 64	77%	23%	96	78%	22%	97
	65+	94%	6%	34	94%	6%	34
Passenger - Race	Caucasian	81%	19%	147	80%	20%	148
	African American	75%	25%	4	100%		4
	Other	100%		2	100%		2

## MONTGOMERY COUNTY

Figure 33 shows a 6% increase in seat belt use in Montgomery County for all occupants (*drivers and passengers*) from the Baseline (78%) to the June Survey (84%). There was a decrease of 2% from the June (84%) to the September Survey (82%). The results shown in the September Survey indicate that Montgomery County is 3% below NHTSA's target usage rate of 85% for Ohio.

**FIGURE 33: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, Montgomery County had an 82% use rate for drivers and a 78% rate for passengers (Table 33). The rates for both the drivers and the passengers fluctuated throughout the three survey periods, and they still remain below the 85% usage rate goal set for Ohio. Initiatives to increase seat belt use should be broad based. Nevertheless, targeting both drivers and passengers of pickup trucks, male passengers, younger drivers and their passengers, and African American drivers and their passengers should help to increase seat belt usage rates in Montgomery County.

**TABLE 33: CROSS-TABULATION OF MONTGOMERY COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Montgomery County</b>		<b>82%</b>	<b>18%</b>	<b>3386</b>	<b>78%</b>	<b>22%</b>	<b>776</b>
Survey <sup>a</sup>	Baseline	79%	21%	1037	74%	26%	254
	June 2008	84%	16%	1170	81%	19%	233
	September 2008	83%	18%	1179	79%	21%	289
Vehicle Type	Passenger Car	82%	18%	1869	79%	21%	394
	Van/Minivan	87%	13%	389	77%	23%	128
	SUV	83%	18%	716	78%	22%	150
	Pickup Truck	77%	23%	411	74%	26%	104
Driver - Sex	Male	81%	19%	1863	78%	22%	478
	Female	84%	16%	1508	78%	23%	293
Driver - Age	15 - 25	75%	25%	667	68%	32%	108
	26 - 64	83%	17%	2396	78%	22%	564
	64+	89%	11%	319	90%	10%	102
Driver - Race	Caucasian	84%	16%	2599	82%	18%	566
	African American	76%	24%	673	68%	32%	160
	Other	75%	25%	99	61%	39%	44
Passenger - Sex	Male	80%	20%	288	74%	26%	288
	Female	85%	15%	485	81%	19%	485
Passenger - Age	0 - 4	100%		6	100%		6
	5 - 14	81%	19%	31	81%	19%	31
	15 - 25	79%	22%	233	76%	24%	233
	26 - 64	82%	18%	390	74%	26%	390
	65+	97%	4%	115	93%	7%	115
Passenger - Race	Caucasian	85%	15%	596	81%	19%	593
	African American	76%	24%	137	70%	30%	137
	Other	79%	21%	43	65%	35%	43

## MORROW COUNTY

Baseline Survey results show a 76% seat belt usage rate in Morrow County for all occupants (*drivers and passengers*) (Figure 34). This rate decreased to 73% for the June Survey, then declined an additional 4% for the September Survey (69%). The results illustrated in the September Survey indicate that Morrow County is 16% below NHTSA's target usage rate of 85% for the state of Ohio. It should be noted that findings for this county are based on a smaller number of observations for the September Survey.

**FIGURE 34: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

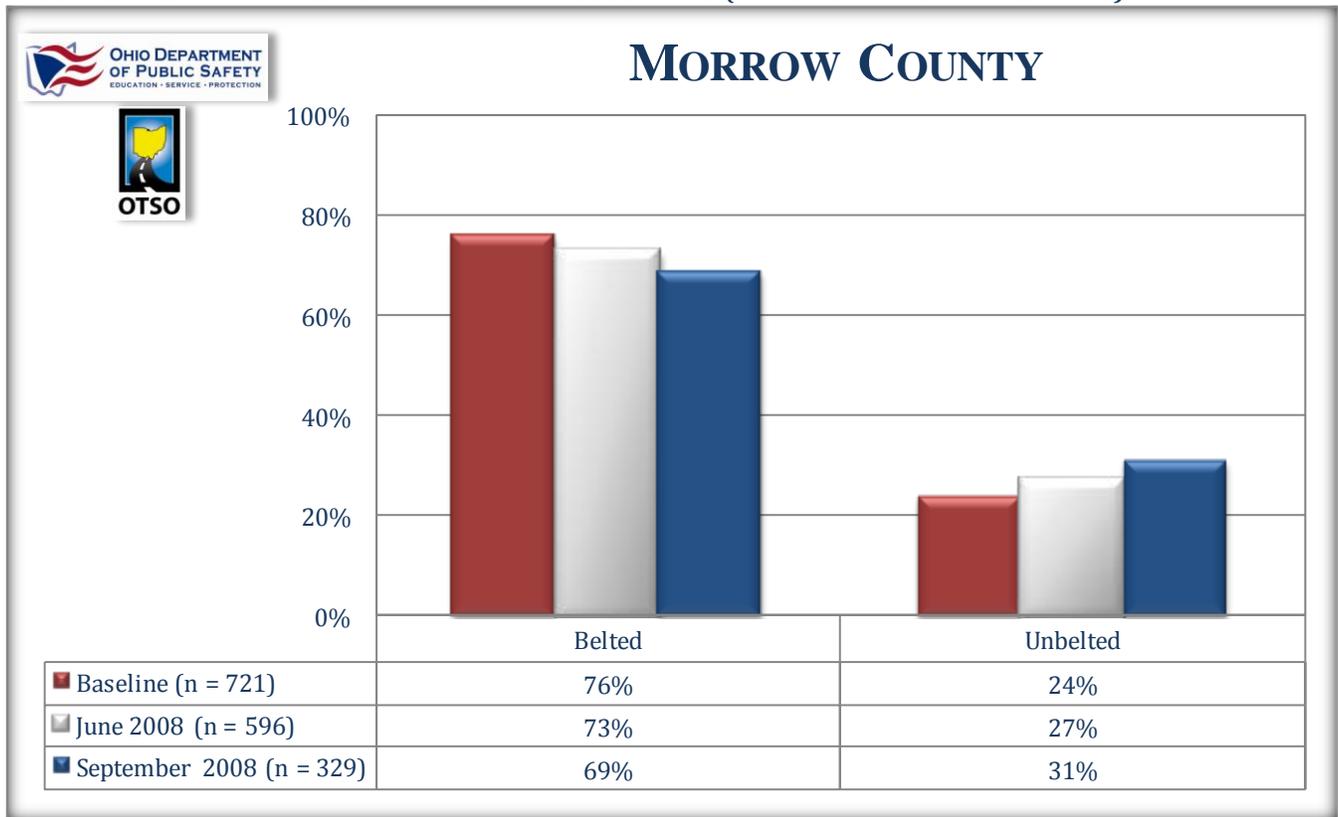


Table 34 shows that overall, 74% of observed drivers and 73% of passengers were belted in Morrow County. There was a constant decrease in seat belt use between the Baseline (77%) and the June (73%) and September (68%) Surveys for the drivers. The usage rate for passengers increased slightly from the Baseline (71%) to the June Survey (75%), but then decreased during the September Survey (73%). While all efforts to increase seat belt use are helpful; targeting pickup truck drivers and younger occupants should help to significantly increase usage rates in Morrow County.

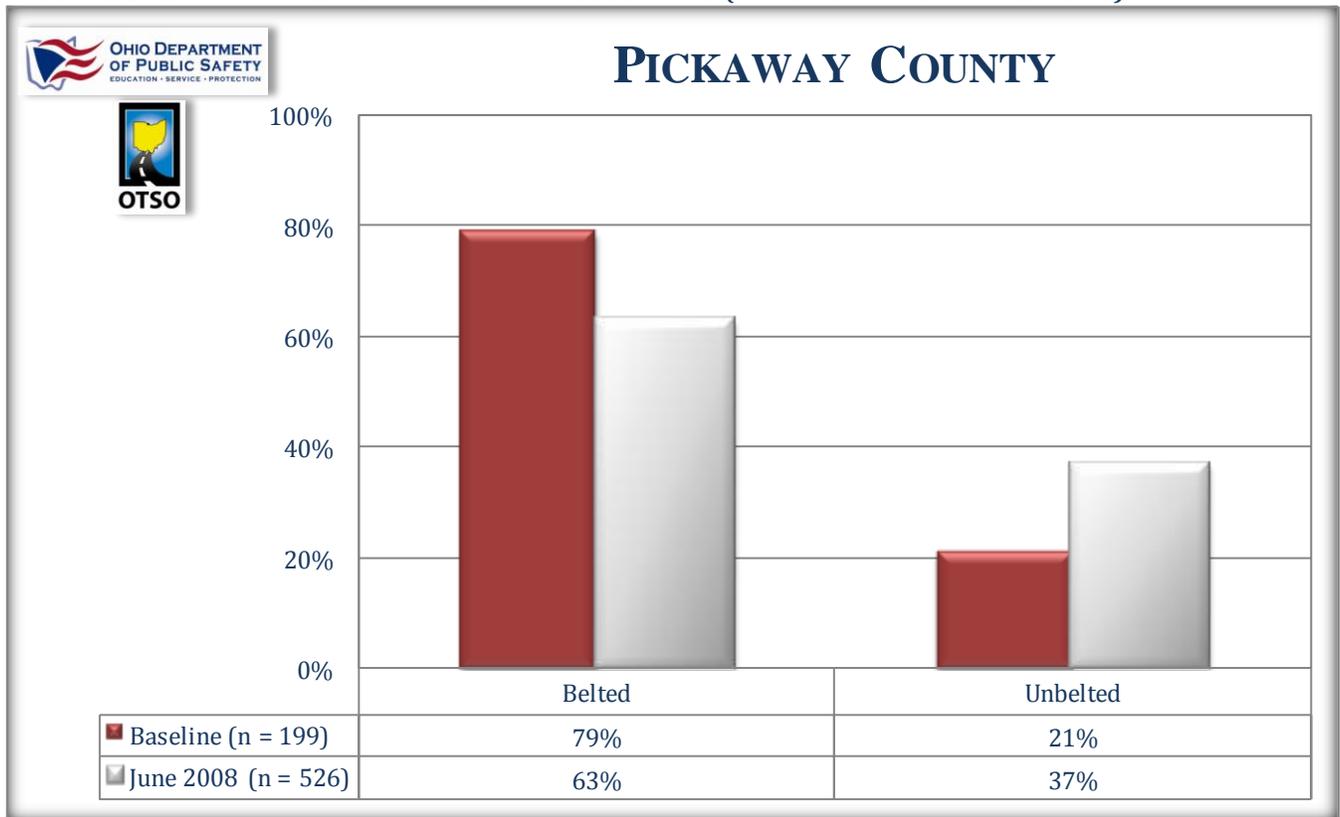
**TABLE 34: CROSS-TABULATION OF MORROW COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Morrow County</b>		<b>74%</b>	<b>26%</b>	<b>1349</b>	<b>73%</b>	<b>27%</b>	<b>297</b>
Survey <sup>a</sup>	Baseline	77%	23%	592	71%	30%	129
	June 2008	73%	27%	484	75%	25%	112
	September 2008	68%	32%	273	73%	27%	56
Vehicle Type	Passenger Car	76%	25%	658	70%	30%	144
	Van/Minivan	77%	23%	160	80%	20%	40
	SUV	79%	21%	205	76%	24%	33
	Pickup Truck	65%	35%	315	72%	28%	75
Driver - Sex	Male	68%	32%	741	76%	24%	189
	Female	80%	20%	588	66%	34%	107
Driver - Age	15 - 25	68%	32%	126	64%	36%	42
	26 - 64	74%	26%	1125	72%	28%	225
	64+	81%	19%	98	87%	13%	30
Driver - Race	Caucasian	74%	26%	1323	73%	27%	291
	African American	67%	33%	3	50%	50%	2
Passenger - Sex	Male	67%	33%	118	66%	34%	118
	Female	80%	20%	179	77%	23%	179
Passenger - Age	0 - 4	100%		2	100%		2
	5 - 14	74%	26%	39	77%	23%	39
	15 - 25	77%	23%	61	69%	31%	61
	26 - 64	73%	27%	168	71%	29%	168
	65+	85%	15%	27	85%	15%	27
Passenger - Race	Caucasian	75%	25%	293	73%	27%	293
	African American	100%		1	100%		1

## PICKAWAY COUNTY

Seat belt use in Pickaway County for all occupants (*drivers and passengers*) decreased by 16% between the Baseline (79%) and the June (63%) Survey (Figure 35). This decrease brought the total further away from NHTSA's target usage rate of 85% for Ohio. Results should be reviewed with caution due to the differences in the number of observations within the two surveys. No data for this county were submitted for analysis for the September Survey.

**FIGURE 35: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 66% of drivers and 73% of passengers were belted in Pickaway County (Table 35). There was a decrease in seat belt use between the Baseline and the June Survey for both drivers and passengers. Pickaway County should continue its broad based initiatives which should help increase seat belt use in the county. Based on the data that were collected and prior studies, it is assumed that focusing efforts on pickup truck drivers along with the younger occupants, ages 15-25, should create a bigger impact on usage rates.

**TABLE 35: CROSS-TABULATION OF PICKAWAY COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Pickaway County</b>		<b>66%</b>	<b>34%</b>	<b>584</b>	<b>73%</b>	<b>27%</b>	<b>141</b>
Survey <sup>a</sup>	Baseline	79%	21%	168	77%	23%	31
	June 2008	61%	39%	416	72%	28%	110
Vehicle Type	Passenger Car	62%	38%	264	73%	27%	55
	Van/Minivan	82%	18%	61	82%	18%	17
	SUV	71%	29%	128	79%	21%	33
	Pickup Truck	62%	38%	130	64%	36%	36
Driver - Sex	Male	63%	38%	331	67%	33%	84
	Female	71%	29%	246	82%	18%	55
Driver - Age	15 - 25	62%	39%	39	60%	40%	5
	26 - 64	66%	35%	510	71%	29%	123
	64+	79%	21%	33	100%		11
Driver - Race	Caucasian	66%	34%	575	72%	28%	135
	African American	67%	33%	3	100%		2
	Other	100%		2	100%		1
Passenger - Sex	Male	66%	34%	62	66%	34%	62
	Female	77%	23%	78	80%	21%	78
Passenger - Age	5 - 14	67%	33%	12	67%	33%	12
	15 - 25	67%	33%	24	67%	33%	24
	26 - 64	71%	29%	91	74%	26%	91
	65+	100%		12	100%		12
Passenger - Race	Caucasian	72%	28%	135	74%	26%	135
	African American	100%		3	67%	33%	3
	Other	100%		1	100%		1

## PORTAGE COUNTY

Figure 36 shows that seat belt use in Portage County for all occupants (*drivers and passengers*) fluctuated during the three survey periods. The Baseline rate was 77% which increased to 84% for the June Survey, then declined to 76% for the September Survey. The September Survey indicates that Portage County is 9% away from NHTSA's target usage rate of 85% for the state of Ohio.

**FIGURE 36: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

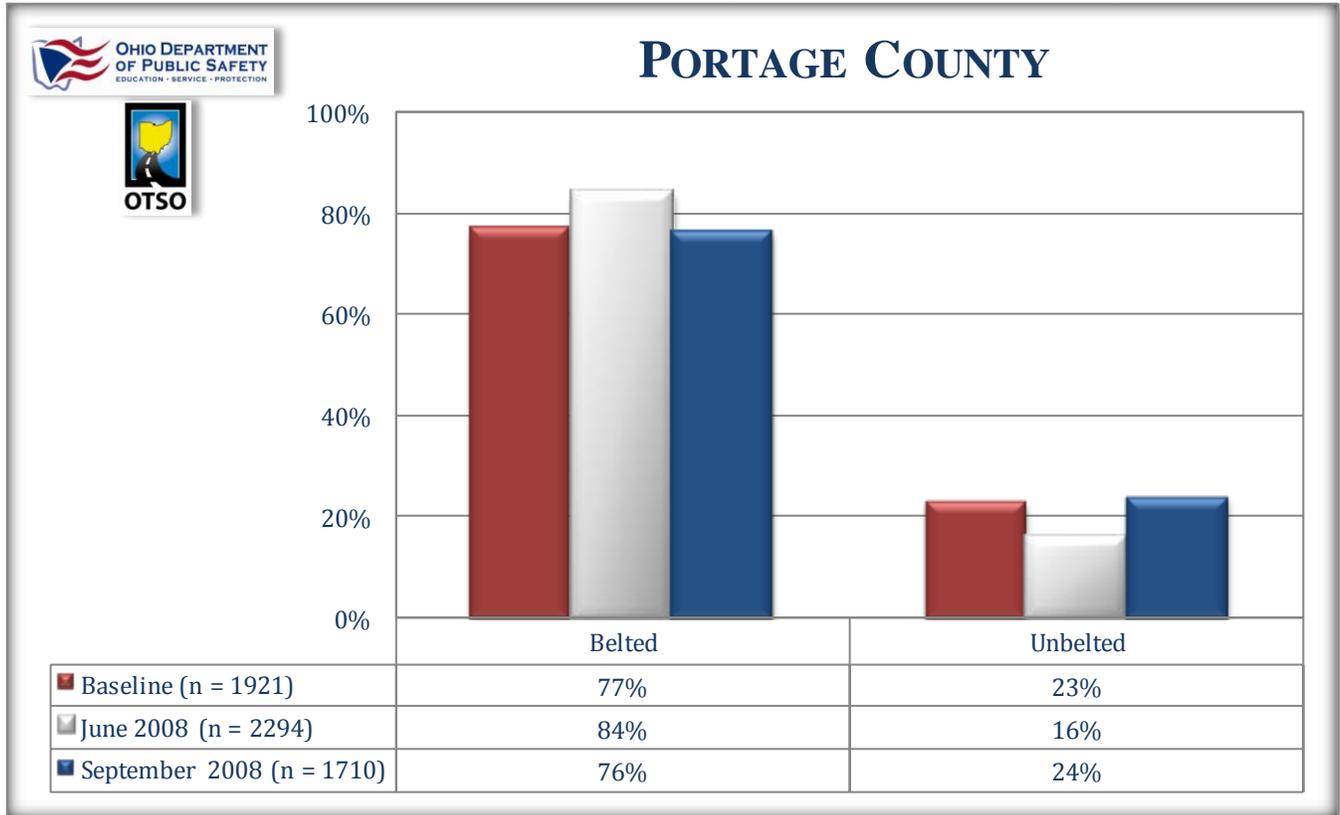


Table 36 shows that overall, 79% of both drivers and passengers were belted in Portage County. There was an increase in seat belt use between the Baseline and the June Survey for drivers, with a substantial decrease during the September Surveys, while the usage rate for passengers also fluctuated over the observation periods. While continuing its broad based efforts, Portage County should consider targeting pickup truck occupants, and younger drivers and passengers, which should help increase the seat belt use in this county.

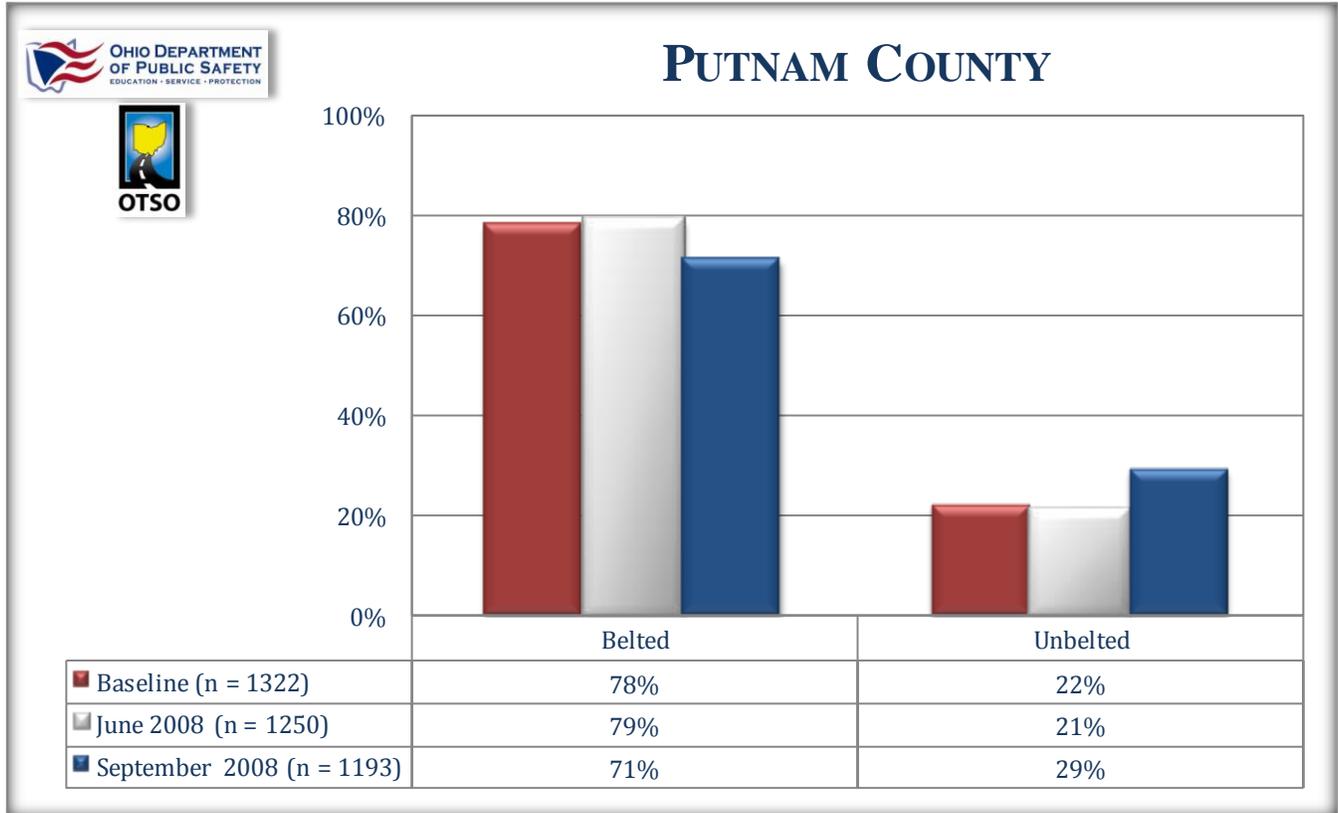
**TABLE 36: CROSS-TABULATION OF PORTAGE COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Portage County</b>		<b>79%</b>	<b>21%</b>	<b>5159</b>	<b>79%</b>	<b>22%</b>	<b>766</b>
Survey <sup>a</sup>	Baseline	77%	23%	1598	75%	25%	323
	June 2008	84%	16%	2042	82%	18%	252
	September 2008	76%	24%	1519	80%	20%	191
Vehicle Type	Passenger Car	80%	20%	2856	78%	23%	436
	Van/Minivan	85%	15%	561	88%	12%	95
	SUV	80%	20%	884	83%	17%	129
	Pickup Truck	73%	27%	856	68%	32%	104
Driver - Sex	Male	78%	22%	2932	80%	20%	455
	Female	82%	18%	2218	77%	23%	309
Driver - Age	15 - 25	74%	26%	822	71%	29%	110
	26 - 64	80%	20%	3713	78%	22%	537
	64+	85%	15%	614	86%	14%	115
Driver - Race	Caucasian	80%	21%	4907	79%	21%	714
	African American	75%	25%	181	63%	37%	38
	Other	79%	21%	42	86%	14%	7
Passenger - Sex	Male	78%	22%	296	75%	25%	296
	Female	84%	16%	467	81%	19%	467
Passenger - Age	0 - 4		100%	1	100%		1
	5 - 14	80%	20%	60	87%	13%	60
	15 - 25	74%	26%	160	69%	31%	160
	26 - 64	83%	17%	408	79%	21%	408
	65+	90%	10%	132	84%	16%	132
Passenger - Race	Caucasian	83%	17%	705	80%	20%	705
	African American	65%	35%	40	51%	49%	39
	Other	82%	18%	11	91%	9%	11

## PUTNAM COUNTY

Seat belt use in Putnam County for all occupants (*drivers and passengers*) increased 1% between the Baseline (78%) and the June (79%) Survey, and then decreased during the September Survey to 71%, which is 14% below NHTSA's goal of 85% seat belt use for Ohio (Figure 37).

**FIGURE 37: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Results for Putnam County show that overall, 75% of drivers and 81% of passengers were belted (Table 37). There was a slight increase in seat belt use from the Baseline to the June Survey, then a decrease for the September Survey for both the drivers and passengers. Targeting pickup truck drivers and male drivers in future initiatives should help Putnam County increase its seat belt usage rate.

**TABLE 37: CROSS-TABULATION OF PUTNAM COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Putnam County</b>		<b>75%</b>	<b>25%</b>	<b>3028</b>	<b>81%</b>	<b>19%</b>	<b>737</b>
Survey <sup>a</sup>	Baseline	76%	24%	1039	83%	17%	283
	June 2008	78%	22%	1022	84%	16%	228
	September 2008	70%	30%	967	74%	26%	226
Vehicle Type	Passenger Car	77%	23%	1283	81%	19%	330
	Van/Minivan	84%	16%	526	89%	11%	158
	SUV	75%	25%	492	85%	15%	98
	Pickup Truck	64%	36%	719	68%	32%	148
Driver - Sex	Male	70%	30%	1726	77%	23%	408
	Female	82%	18%	1210	86%	14%	304
Driver - Age	15 - 25	69%	31%	462	77%	23%	118
	26 - 64	75%	25%	1927	80%	20%	437
	64+	82%	18%	396	92%	8%	130
Driver - Race	Caucasian	75%	25%	2724	82%	18%	642
	African American	77%	23%	22	71%	29%	7
	Other	76%	24%	180	71%	29%	59
Passenger - Sex	Male	73%	27%	266	71%	29%	266
	Female	83%	17%	444	86%	14%	444
Passenger - Age	0 - 4	60%	40%	5	100%		5
	5 - 14	77%	23%	94	85%	15%	94
	15 - 25	75%	25%	164	74%	26%	164
	26 - 64	80%	20%	285	79%	21%	285
	65+	92%	8%	131	94%	6%	131
Passenger - Race	Caucasian	80%	20%	664	82%	19%	664
	African American	33%	67%	3	33%	67%	3
	Other	79%	21%	43	72%	28%	43

## RICHLAND COUNTY

Richland County demonstrated a slight fluctuation for all occupants (*drivers and passengers*) in seat belt use over the 2008 observation period (Figure 38). The Baseline rate was 84% which increased to 85% during the June Survey and then decreased slightly to 83% for the September Survey, which is 2% below the 85% usage rate established for Ohio.

**FIGURE 38: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

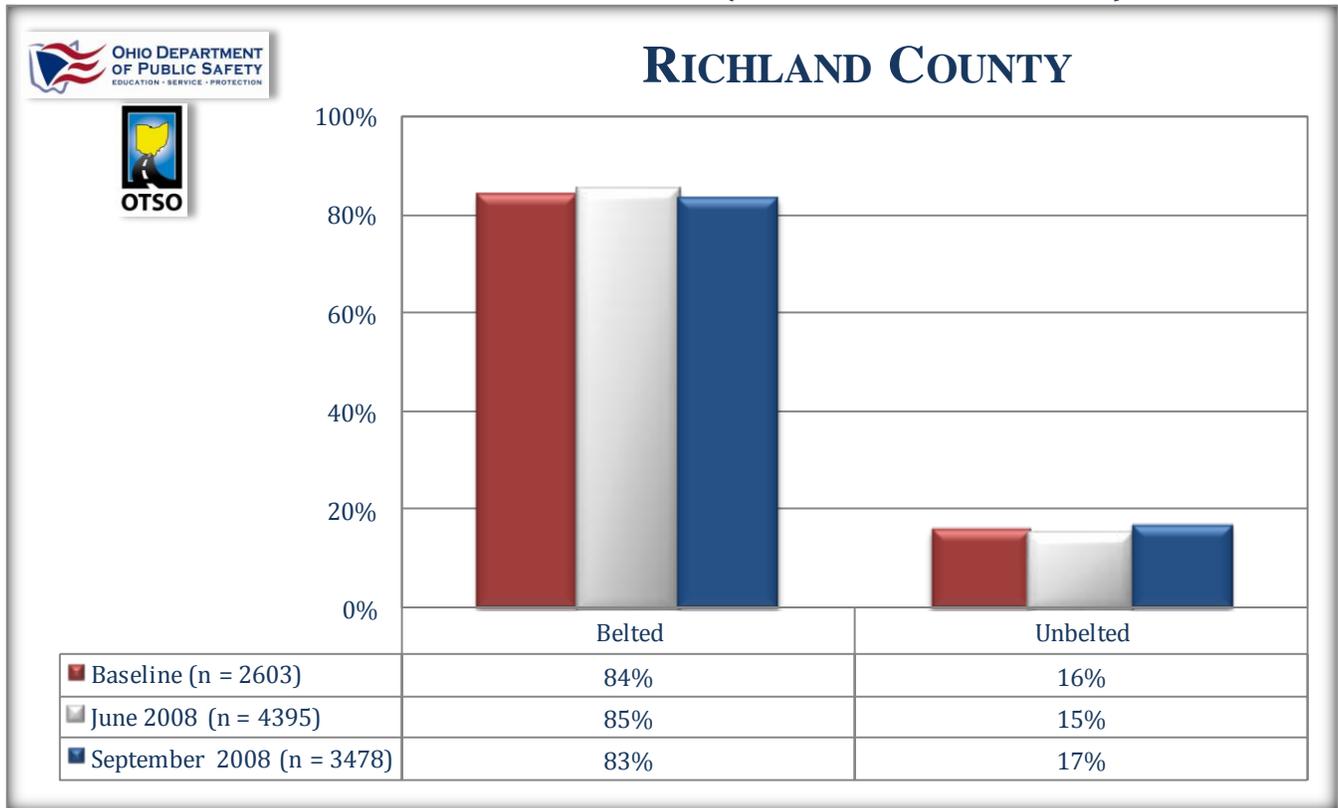


Table 38 illustrates that the overall seat belt usage rate was 85% for drivers and 81% for passengers in Richland County. The rates remained fairly constant throughout the survey periods for the drivers, but the passengers' rates declined. Richland County should continue to focus seat belt use initiatives on all populations which should further help to increase their seat belt usage rate, with emphasis on pickup truck occupants along with the younger drivers and their passengers.

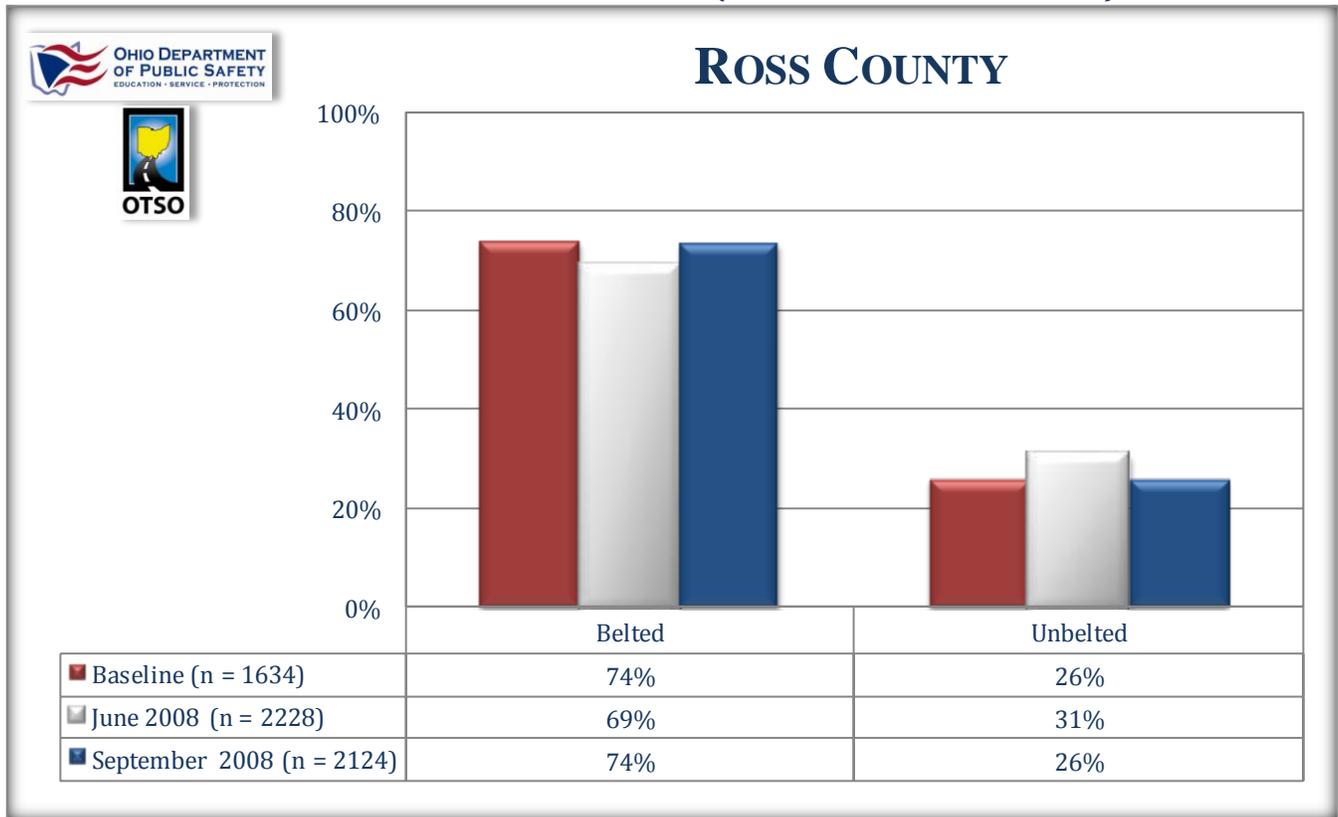
**TABLE 38: CROSS-TABULATION OF RICHLAND COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Richland County</b>		<b>85%</b>	<b>16%</b>	<b>8711</b>	<b>81%</b>	<b>19%</b>	<b>1765</b>
Survey <sup>a</sup>	Baseline	84%	16%	2168	84%	16%	435
	June 2008	85%	15%	3640	82%	18%	755
	September 2008	84%	16%	2903	78%	22%	575
Vehicle Type	Passenger Car	84%	16%	4435	79%	21%	879
	Van/Minivan	89%	11%	980	86%	14%	240
	SUV	88%	12%	1591	89%	11%	305
	Pickup Truck	79%	21%	1705	76%	24%	341
Driver - Sex	Male	82%	18%	4798	80%	20%	1062
	Female	87%	13%	3906	83%	17%	701
Driver - Age	15 - 25	78%	22%	1338	67%	33%	299
	26 - 64	86%	14%	6192	83%	17%	1161
	64+	86%	14%	1179	91%	10%	304
Driver - Race	Caucasian	86%	14%	7738	83%	17%	1543
	African American	72%	29%	800	68%	32%	190
	Other	80%	20%	138	76%	24%	25
Passenger - Sex	Male	82%	18%	684	73%	27%	684
	Female	88%	12%	1079	87%	13%	1078
Passenger - Age	0 - 4	50%	50%	2		100%	2
	5 - 14	87%	14%	111	79%	21%	110
	15 - 25	81%	19%	393	71%	30%	393
	26 - 64	87%	13%	910	84%	17%	910
	65+	90%	10%	339	90%	10%	339
Passenger - Race	Caucasian	88%	12%	1535	84%	16%	1534
	African American	73%	28%	193	63%	37%	193
	Other	85%	15%	27	74%	26%	27

## ROSS COUNTY

The seat belt usage rate in Ross County for all occupants (*drivers and passengers*) remained consistent overall between the 2008 Baseline (74%) and the June (69%) and September (74%) Surveys (Figure 39). The September Survey shows that Ross County is 11% away from NHTSA’s targeted usage rate of 85% for the state of Ohio.

**FIGURE 39 SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 72% of the drivers and 69% of the passengers were belted in Ross County (Table 39). The rate overall remained relatively constant for the drivers, but the rate for the passengers decreased overall, dipping to as low as 66% in June. Efforts to target pickup truck occupants and males should help to increase seat belt use in Ross County.

**TABLE 39: CROSS-TABULATION OF ROSS COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Ross County</b>		<b>72%</b>	<b>28%</b>	<b>5102</b>	<b>69%</b>	<b>31%</b>	<b>884</b>
Survey <sup>a</sup>	Baseline	74%	26%	1406	75%	25%	228
	June 2008	70%	31%	1880	66%	35%	348
	September 2008	74%	26%	1816	70%	31%	308
Vehicle Type	Passenger Car	74%	26%	2680	71%	29%	481
	Van/Minivan	81%	19%	483	75%	25%	91
	SUV	75%	25%	859	75%	25%	141
	Pickup Truck	62%	38%	1077	56%	44%	171
Driver - Sex	Male	66%	34%	2857	68%	32%	539
	Female	80%	20%	2242	71%	29%	345
Driver - Age	15 - 25	54%	46%	103	50%	50%	22
	26 - 64	72%	28%	4629	68%	32%	757
	64+	78%	22%	289	85%	15%	82
Driver - Race	Caucasian	73%	27%	4737	70%	30%	779
	African American	53%	47%	92	50%	50%	18
Passenger - Sex	Male	63%	37%	342	59%	42%	342
	Female	77%	23%	541	76%	24%	541
Passenger - Age	5 - 14	71%	29%	51	73%	28%	51
	15 - 25	61%	39%	59	56%	44%	59
	26 - 64	71%	29%	659	68%	32%	659
	65+	84%	16%	88	82%	18%	88
Passenger - Race	Caucasian	72%	28%	773	69%	31%	773
	African American	31%	69%	16	50%	50%	16

## SANDUSKY COUNTY

As shown by Figure 40, seat belt use in Sandusky County for all occupants (*drivers and passengers*) decreased an overall total of 1%. The results decreased 8% from the Baseline (80%) to the June Survey (72%), but then increased during the September Surveys to 79%, which is still well below NHTSA’s goal of 85% for seat belt use in Ohio. It should be noted that these findings are based on a low number of observations.

**FIGURE 40: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

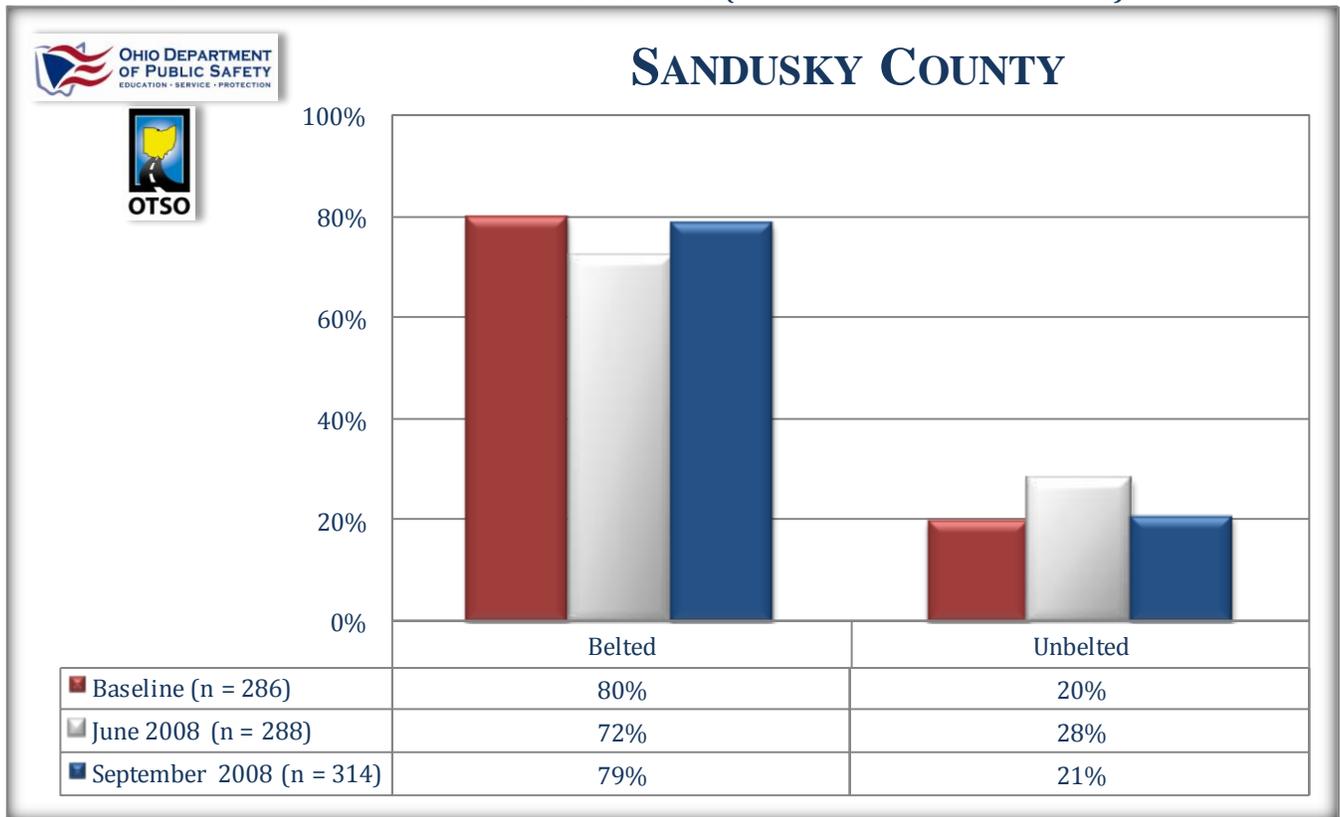


Table 41 shows that overall, 77% of observed drivers and 76% of observed passengers were belted in Sandusky County. There was a decrease in seat belt use from the Baseline Survey to the June Survey for both drivers and passengers; however, usage rates rose during the September Survey. Sandusky County should continue its broad based initiatives to increase seat belt use in the county.

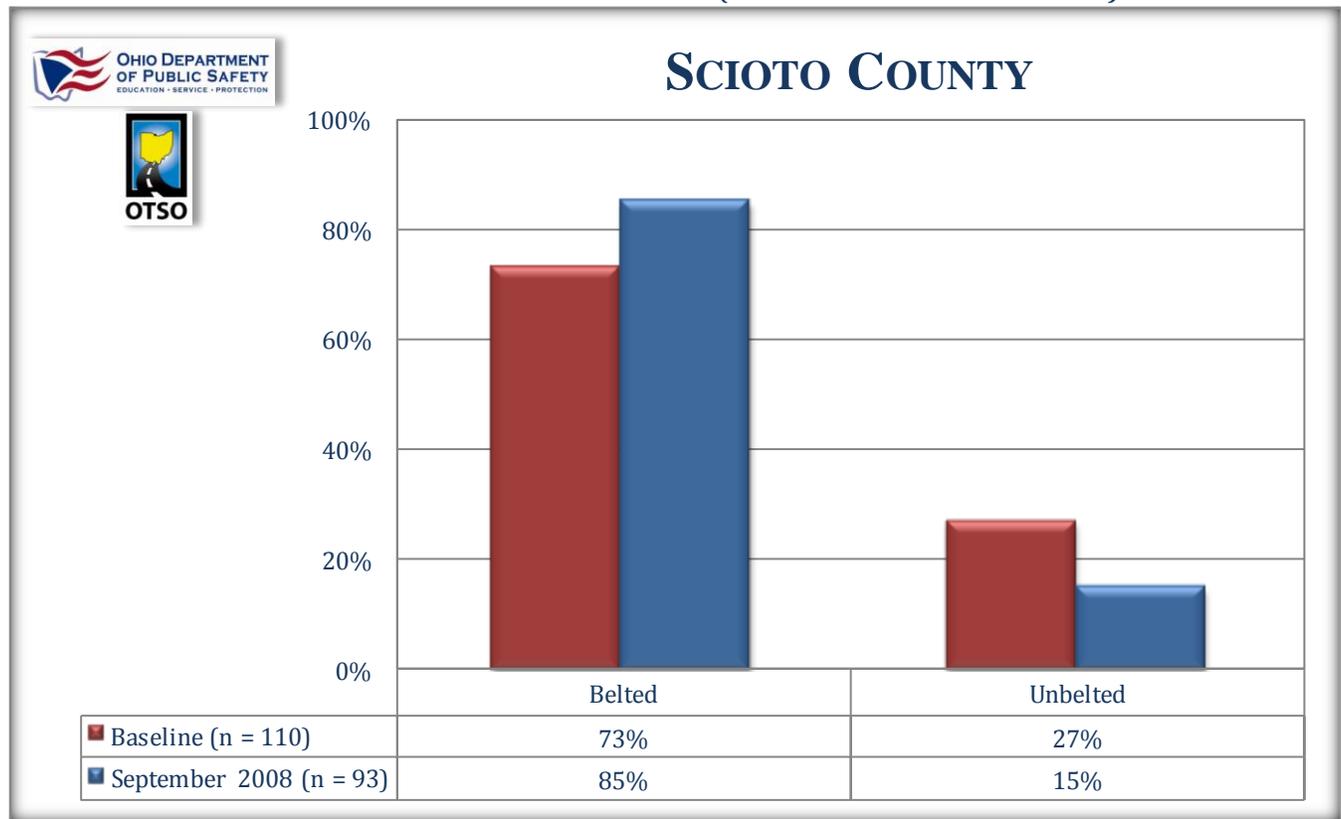
**TABLE 41: CROSS-TABULATION OF SANDUSKY COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Sandusky County</b>		<b>77%</b>	<b>23%</b>	<b>713</b>	<b>76%</b>	<b>24%</b>	<b>175</b>
Survey <sup>a</sup>	Baseline	79%	21%	226	83%	17%	60
	June 2008	73%	27%	226	66%	34%	62
	September 2008	79%	22%	261	79%	21%	53
Vehicle Type	Passenger Car	77%	23%	366	77%	23%	94
	Van/Minivan	81%	19%	75	89%	12%	26
	SUV	84%	16%	109	87%	13%	23
	Pickup Truck	70%	30%	163	56%	44%	32
Driver - Sex	Male	77%	23%	424	77%	23%	111
	Female	77%	23%	287	75%	25%	63
Driver - Age	15 - 25	70%	31%	187	70%	30%	43
	26 - 64	80%	21%	488	77%	23%	113
	64+	82%	18%	38	84%	16%	19
Driver - Race	Caucasian	77%	23%	669	78%	22%	161
	African American	82%	18%	17	33%	67%	3
	Other	68%	32%	22	56%	44%	9
Passenger - Sex	Male	68%	32%	53	62%	38%	53
	Female	80%	20%	122	82%	18%	122
Passenger - Age	0 - 4	100%		1	100%		1
	5 - 14	64%	36%	22	82%	18%	22
	15 - 25	63%	37%	49	63%	37%	49
	26 - 64	84%	16%	77	79%	21%	77
	65+	89%	12%	26	85%	15%	26
Passenger - Race	Caucasian	78%	22%	164	77%	23%	164
	African American	33%	67%	3	33%	67%	3
	Other	57%	43%	7	57%	43%	7

## SCIOTO COUNTY

The 2008 Baseline rate indicated that 73% of all observed occupants (*drivers and passengers*) in the county were belted (Figure 42). The number of observed occupants that were belted increased to 85% in the September survey. According to the data collected in the September Survey, Scioto County meets NHTSA's targeted usage rate of 85% for Ohio. It should be noted, however, that these findings are based on a relatively low number of observations. No data for this county were submitted for the June Survey.

**FIGURE 42 SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Due to the relatively low number of observations, it is difficult to come to any meaningful conclusions for Scioto County with regard to target populations (Table 42). The overall results of usage rates were 77% for the drivers and 83% for the passengers. Further initiatives to increase seat belt use should be broad based and target all populations, with special emphasis on the younger population (i.e. ages 15-25).

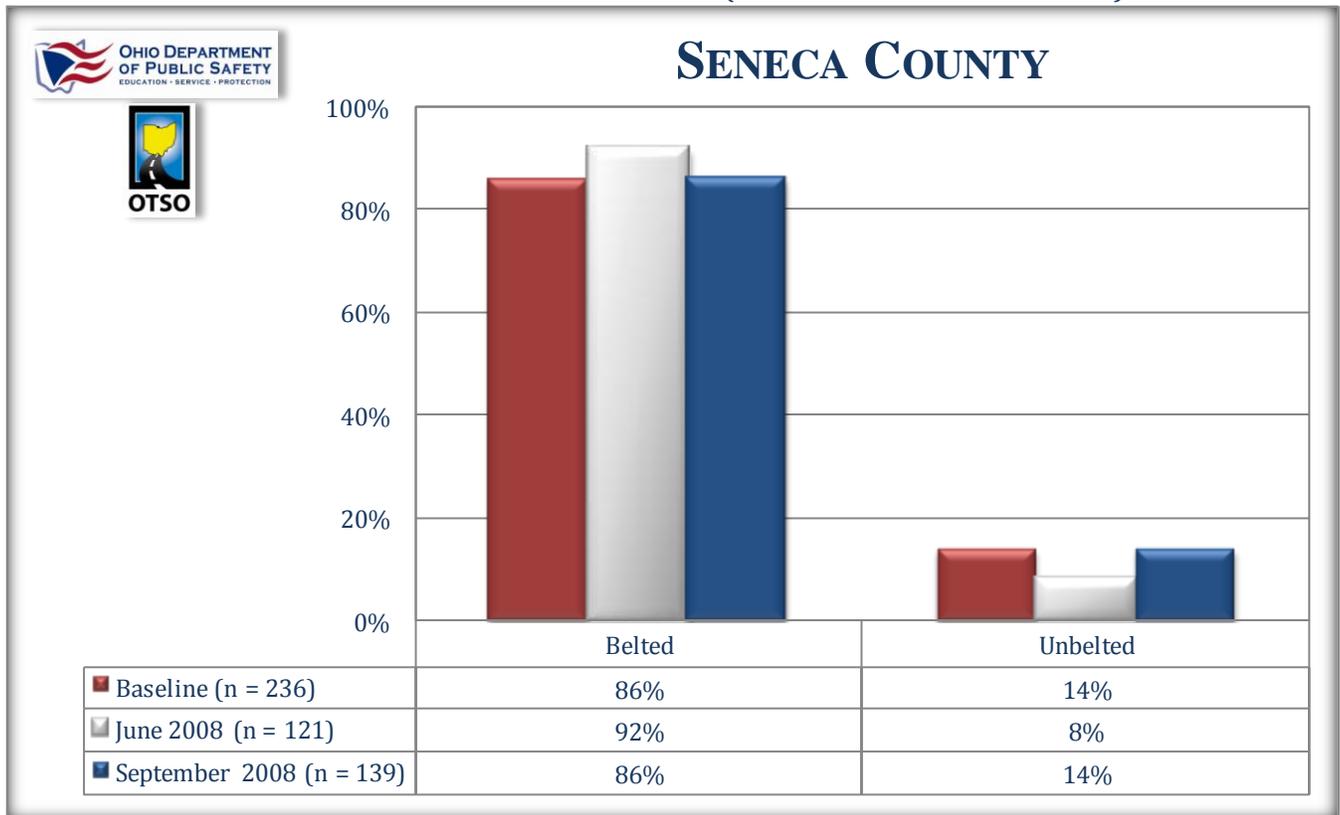
**TABLE 42: CROSS-TABULATION OF SCIOTO COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Scioto County</b>		<b>77%</b>	<b>23%</b>	<b>150</b>	<b>83%</b>	<b>17%</b>	<b>53</b>
Survey <sup>a</sup>	Baseline	68%	32%	79	84%	16%	31
	September 2008	86%	14%	71	82%	18%	22
Vehicle Type	Passenger Car	76%	24%	78	78%	22%	27
	Van/Minivan	82%	18%	17	100%		9
	SUV	75%	25%	12	67%	33%	6
	Pickup Truck	77%	23%	43	91%	9%	11
Driver - Sex	Male	80%	20%	95	88%	12%	34
	Female	75%	25%	52	74%	26%	19
Driver - Age	15 - 25	60%	40%	20	67%	33%	9
	26 - 64	82%	18%	116	85%	15%	40
	64+	57%	43%	14	100%		4
Driver - Race	Caucasian	77%	23%	140	83%	17%	48
	African American	100%		2	100%		2
Passenger - Sex	Male	83%	17%	18	72%	28%	18
	Female	89%	11%	35	89%	11%	35
Passenger - Age	5 - 14	80%	20%	5	80%	20%	5
	15 - 25	85%	15%	13	77%	23%	13
	26 - 64	88%	13%	32	84%	16%	32
	65+	100%		3	100%		3
Passenger - Race	Caucasian	88%	12%	49	84%	16%	49
	African American	67%	33%	3	67%	33%	3

## SENECA COUNTY

Figure 43 illustrates that the seat belt usage rate in Seneca County for all occupants (*drivers and passengers*) fluctuated over the observation period. The Baseline showed an 86% seat belt usage rate which increased to 92% for the June Survey and then fell back to 86% for the September Survey. Although there were some fluctuations, Seneca County remained above NHTSA's targeted usage rate of 85% for the state of Ohio. It should be noted that these findings are based on a relatively low number of observations, however.

**FIGURE 43: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 89% of observed drivers and 84% of observed passengers were belted (Table 43). Increases for both drivers and passengers occurred between the Baseline and the June Surveys, and then decreased for the September Surveys. Along with other groups, the county should focus on pickup truck occupants, males, and 15-25 year old occupants in hopes of increasing the usage rate. It should be noted that there was a relatively low number of observations.

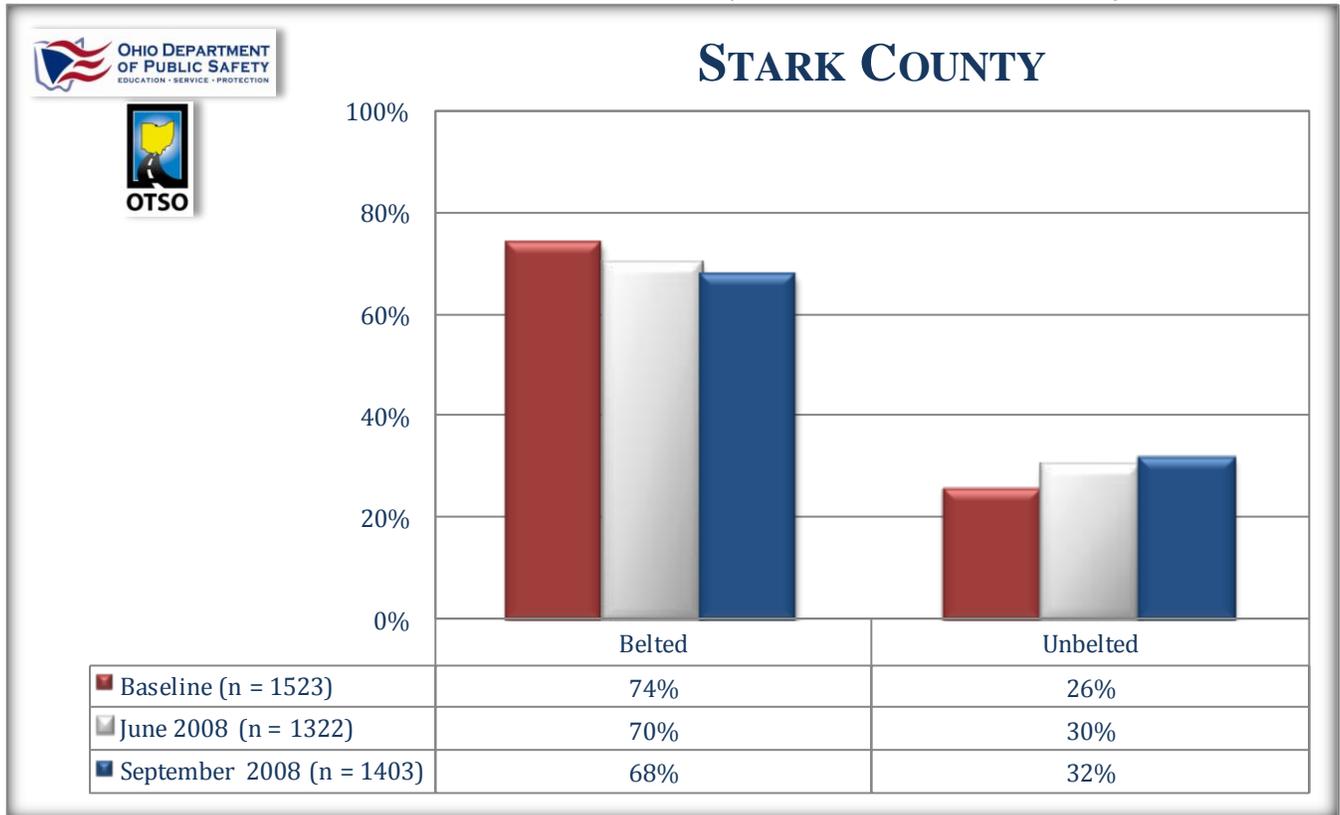
**TABLE 43: CROSS-TABULATION OF SENECA COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Seneca County</b>		<b>89%</b>	<b>12%</b>	<b>417</b>	<b>84%</b>	<b>17%</b>	<b>79</b>
Survey <sup>a</sup>	Baseline	87%	13%	196	83%	18%	40
	June 2008	92%	8%	102	90%	11%	19
	September 2008	87%	13%	119	80%	20%	20
Vehicle Type	Passenger Car	91%	9%	218	79%	21%	43
	Van/Minivan	88%	12%	51	80%	20%	10
	SUV	94%	6%	65	94%	6%	16
	Pickup Truck	78%	22%	83	90%	10%	10
Driver - Sex	Male	85%	15%	219	91%	9%	46
	Female	92%	8%	197	72%	28%	32
Driver - Age	15 - 25	88%	12%	67	64%	36%	11
	26 - 64	88%	12%	307	85%	15%	60
	64+	93%	8%	40	100%		8
Driver - Race	Caucasian	90%	10%	387	87%	13%	70
	African American	69%	31%	16	50%	50%	4
	Other	60%	40%	10	33%	67%	3
Passenger - Sex	Male	86%	14%	28	68%	32%	28
	Female	96%	4%	51	92%	8%	51
Passenger - Age	5 - 14	67%	33%	3	33%	67%	3
	15 - 25	83%	17%	18	72%	28%	18
	26 - 64	96%	4%	49	88%	12%	49
	65+	100%		9	100%		9
Passenger - Race	Caucasian	95%	6%	73	88%	12%	73
	African American	75%	25%	4	50%	50%	4
	Other	50%	50%	2		100%	2

## STARK COUNTY

Seat belt use in Stark County for all occupants (*drivers and passengers*) continually decreased within the observation period (Figure 44). The baseline began at 74%. Then, in the June Survey, the rate decreased to 70%. The last Survey in September reported a 68% usage rate. This was an overall 6% decrease which resulted in a rate well below NHTSA's targeted usage rate of 85% for the state of Ohio.

**FIGURE 44: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Survey results for Stark County show that overall, 71% of drivers and 69% of passengers were belted (Table 44). There was a decrease in seat belt use between the Baseline and the June Survey for the drivers, while there was an increase for the passengers. During the September Survey the usage rates for the drivers stayed the same and the rates for the passengers decreased even further. Targeting pickup truck occupants, male occupants, and occupants between the ages of 15 and 25, should help Stark County increase its overall seat belt usage rate.

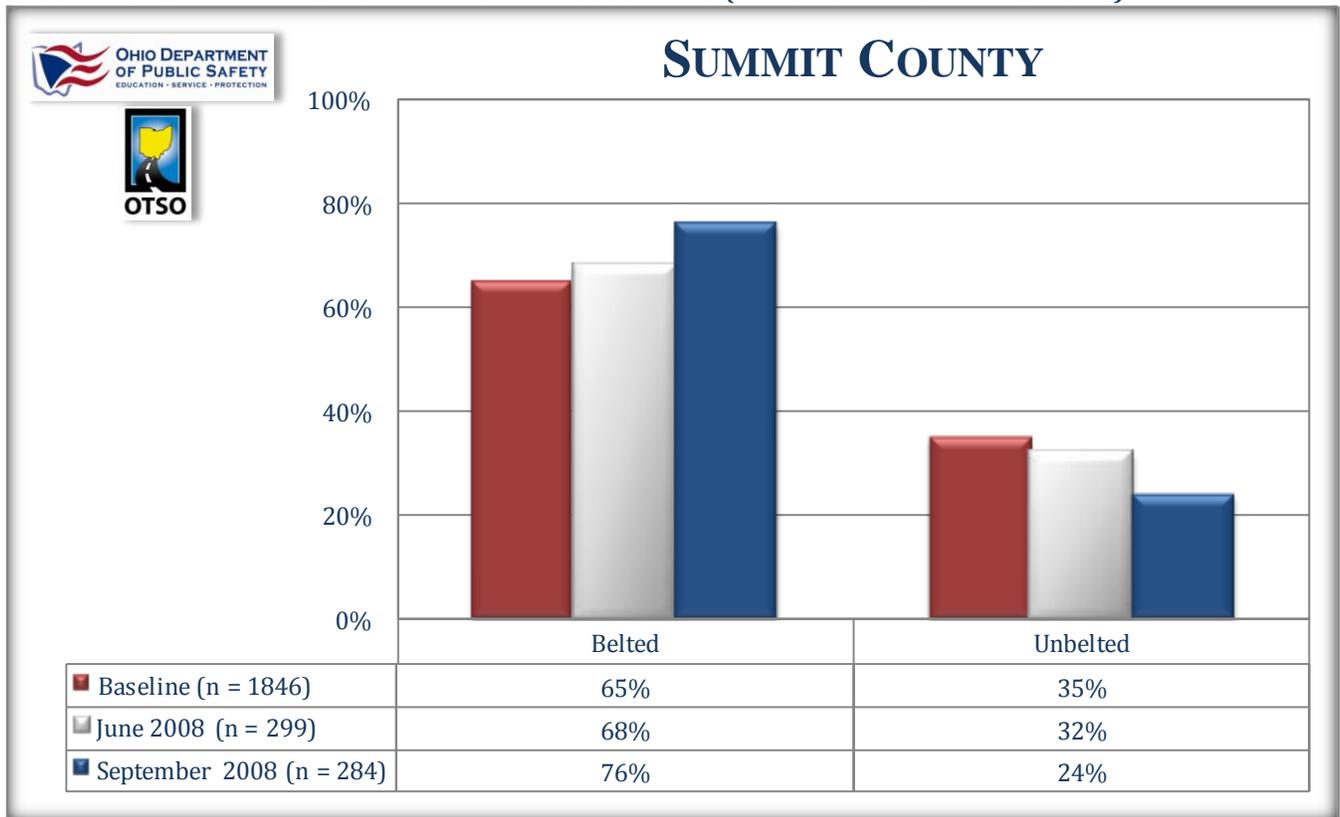
**TABLE 44: CROSS-TABULATION OF STARK COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Stark County</b>		<b>71%</b>	<b>29%</b>	<b>3611</b>	<b>69%</b>	<b>31%</b>	<b>637</b>
Survey <sup>a</sup>	Baseline	75%	25%	1271	69%	31%	252
	June 2008	69%	31%	1090	73%	27%	232
	September 2008	69%	32%	1250	62%	38%	153
Vehicle Type	Passenger Car	72%	28%	1835	68%	32%	345
	Van/Minivan	73%	27%	473	79%	21%	98
	SUV	73%	27%	594	74%	26%	113
	Pickup Truck	64%	36%	703	51%	49%	80
Driver - Sex	Male	68%	32%	2039	69%	31%	364
	Female	74%	26%	1553	69%	31%	268
Driver - Age	15 - 25	61%	39%	334	52%	48%	83
	26 - 64	71%	29%	3007	70%	31%	488
	64+	80%	20%	265	84%	16%	63
Driver - Race	Caucasian	72%	28%	3291	70%	30%	566
	African American	60%	40%	280	59%	41%	61
	Other	69%	31%	13	33%	67%	3
Passenger - Sex	Male	62%	39%	234	55%	45%	234
	Female	75%	25%	402	77%	23%	402
Passenger - Age	0 - 4	67%	33%	3	100%		3
	5 - 14	77%	23%	57	74%	26%	57
	15 - 25	59%	41%	140	56%	44%	140
	26 - 64	71%	29%	362	70%	30%	362
	65+	82%	18%	72	83%	17%	72
Passenger - Race	Caucasian	71%	29%	546	69%	31%	546
	African American	65%	35%	57	63%	37%	57
	Other	100%		1		100%	1

## SUMMIT COUNTY

Figure 45 shows that seat belt use in Summit County for all occupants (*drivers and passengers*) gradually increased between the Baseline (65%) and the June (68%) and September (75%) Surveys. Summit County is still well below NHTSA’s targeted usage rate of 85% for the state of Ohio. It should be noted that the numbers of observations were relatively low during the June and Septembers Surveys compared to the Baseline observation period.

**FIGURE 45: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 68% of drivers and 61% of passengers were belted in Summit County (Table 45). There was an increase in seat belt use throughout all three survey periods for both the passengers and the drivers. It is important for Summit County to continue seat belt use initiatives with all populations which should further help to increase their seat belt usage rate, especially by directing their focus more towards pickup and passenger car occupants along with younger drivers between the ages 15-25, and more notably, teen passengers.

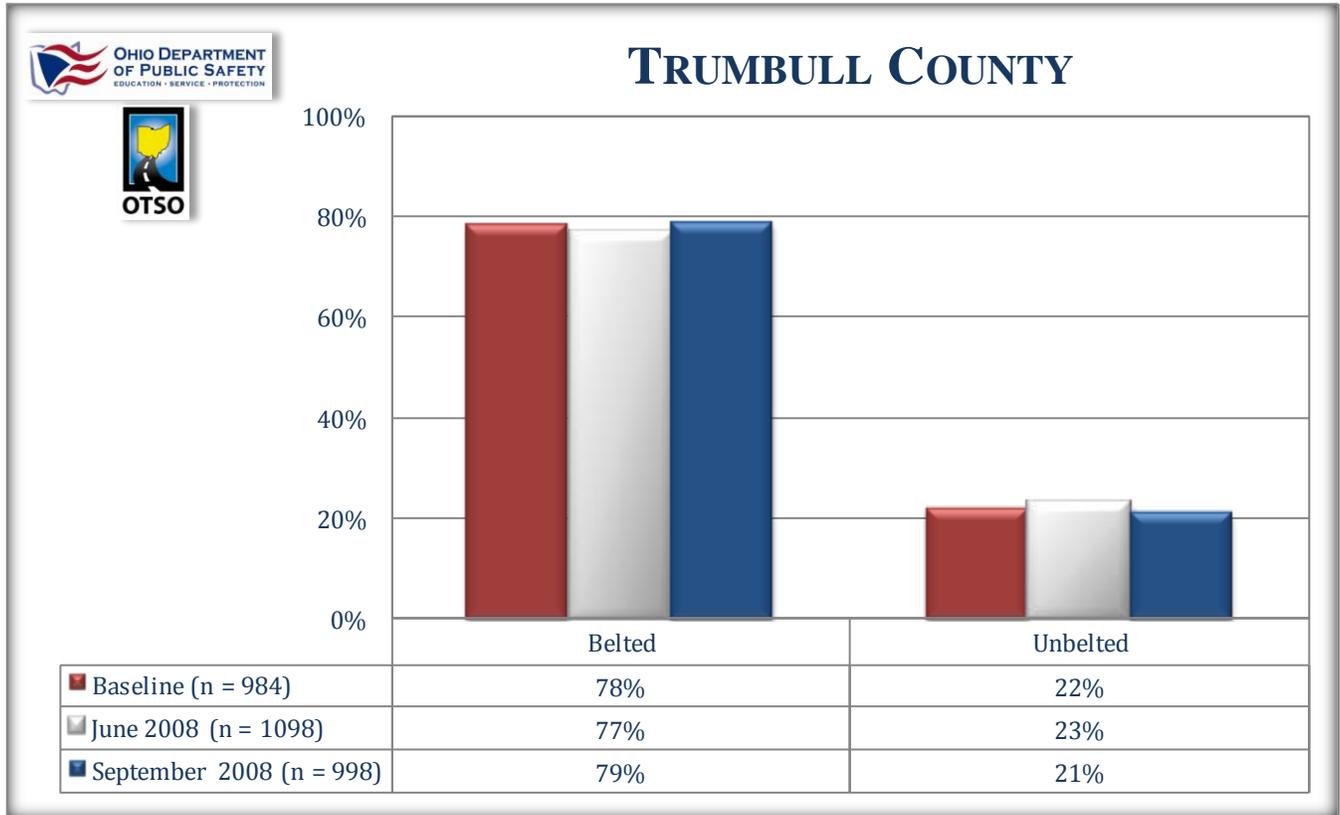
**TABLE 45: CROSS-TABULATION OF SUMMIT COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Summit County</b>		<b>68%</b>	<b>32%</b>	<b>2030</b>	<b>61%</b>	<b>39%</b>	<b>399</b>
Survey <sup>a</sup>	Baseline	67%	34%	1562	58%	42%	284
	June 2008	69%	31%	239	63%	37%	60
	September 2008	76%	24%	229	76%	24%	55
Vehicle Type	Passenger Car	68%	32%	1249	59%	41%	240
	Van/Minivan	70%	30%	247	67%	33%	58
	SUV	73%	27%	318	75%	25%	60
	Pickup Truck	55%	46%	213	46%	54%	41
Driver - Sex	Male	65%	35%	1203	58%	42%	226
	Female	72%	28%	812	66%	34%	169
Driver - Age	15 - 25	61%	39%	241	45%	55%	78
	26 - 64	68%	32%	1620	64%	36%	280
	64+	73%	27%	166	80%	20%	40
Driver - Race	Caucasian	73%	27%	1622	66%	34%	326
	African American	44%	56%	374	39%	62%	65
	Other	84%	16%	19	100%		4
Passenger - Sex	Male	62%	38%	179	55%	45%	179
	Female	69%	31%	219	66%	34%	219
Passenger - Age	0 - 4	100%		1	100%		1
	5 - 14	82%	18%	56	77%	23%	56
	15 - 25	55%	45%	132	49%	52%	132
	26 - 64	66%	34%	169	62%	39%	169
	65+	81%	20%	41	81%	20%	41
Passenger - Race	Caucasian	71%	29%	301	67%	33%	301
	African American	45%	55%	75	36%	64%	75
	Other	80%	20%	5	80%	20%	5

## TRUMBULL COUNTY

Seat belt use in Trumbull County for all occupants (*drivers and passengers*) showed little change between the Baseline (78%) and the June (77%) and September (79%) Surveys. The results ended at 79% for the September Survey, which is still well below NHTSA's goal of an 85% usage rate for Ohio (Figure 46).

**FIGURE 46: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



The overall seat belt usage rate for Trumbull County was 78% for drivers and 81% for passengers (Table 46). The rate for the drivers decreased 1% between the Baseline and the June survey, only rising 1% in the September Survey. The passenger rate remained 80% in both the Baseline and the June Survey, but increased to 83% in the September Survey. Survey results indicate that targeting pickup truck drivers may prove the most effective in increasing the seat belt usage rate in Trumbull County.

**TABLE 46: CROSS-TABULATION OF TRUMBULL COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Trumbull County</b>		<b>78%</b>	<b>22%</b>	<b>2866</b>	<b>81%</b>	<b>19%</b>	<b>214</b>
Survey <sup>a</sup>	Baseline	78%	22%	914	80%	20%	70
	June 2008	77%	23%	1006	80%	20%	92
	September 2008	78%	22%	946	83%	17%	52
Vehicle Type	Passenger Car	80%	20%	1705	83%	17%	143
	Van/Minivan	81%	19%	281	70%	30%	27
	SUV	79%	21%	462	84%	16%	31
	Pickup Truck	67%	34%	418	69%	31%	13
Driver - Sex	Male	76%	25%	1624	81%	19%	141
	Female	81%	19%	1240	81%	19%	73
Driver - Age	15 - 25	75%	25%	105	73%	27%	22
	26 - 64	77%	23%	2540	79%	21%	156
	64+	87%	13%	221	94%	6%	36
Driver - Race	Caucasian	78%	22%	2660	82%	18%	196
	African American	72%	28%	200	72%	28%	18
Passenger - Sex	Male	83%	17%	65	77%	23%	65
	Female	83%	17%	149	83%	17%	149
Passenger - Age	5 - 14	67%	33%	15	73%	27%	15
	15 - 25	78%	22%	37	78%	22%	37
	26 - 64	82%	18%	120	78%	22%	120
	65+	95%	5%	42	93%	7%	42
Passenger - Race	Caucasian	82%	18%	197	81%	19%	197
	African American	88%	12%	17	77%	24%	17

## UNION COUNTY

The seat belt usage rate in Union County for all occupants (*drivers and passengers*) decreased between the Baseline Survey (89%) and the June Survey (82%), but increased during the September Survey to 85%, which is on target with NHTSA's goal of an 85% usage rate for Ohio (Figure 47).

**FIGURE 47: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

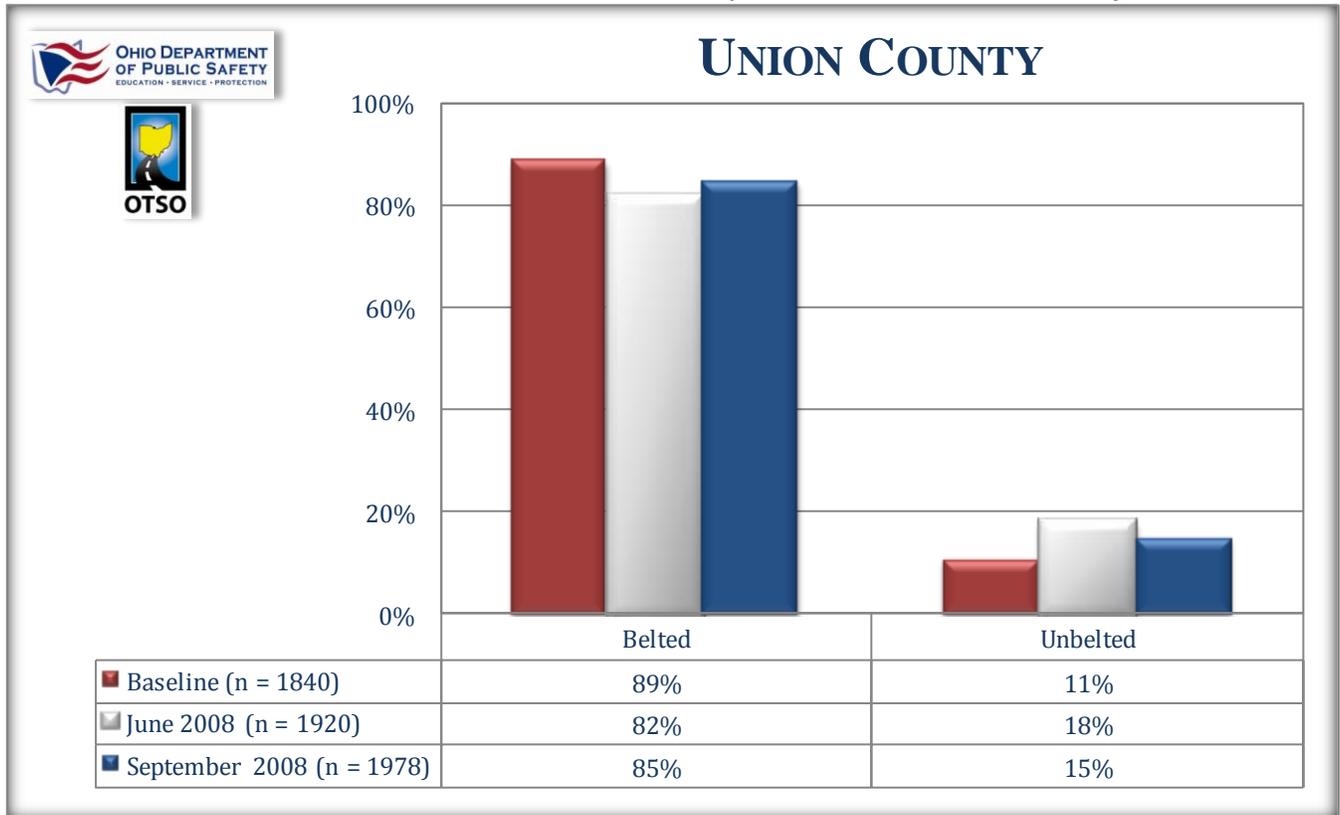


Table 47 shows that overall, 85% of the observed drivers and 84% of the observed passengers in Union County were belted. There was a decrease in seat belt use between the Baseline and the June Survey for both the drivers and passengers, followed by an increase during the September Survey for the drivers and an additional decrease for the passengers. Extra emphasis placed on pickup truck occupants, males, and drivers ages 15 to 25 in future initiatives should help Union County increase their seat belt usage rate.

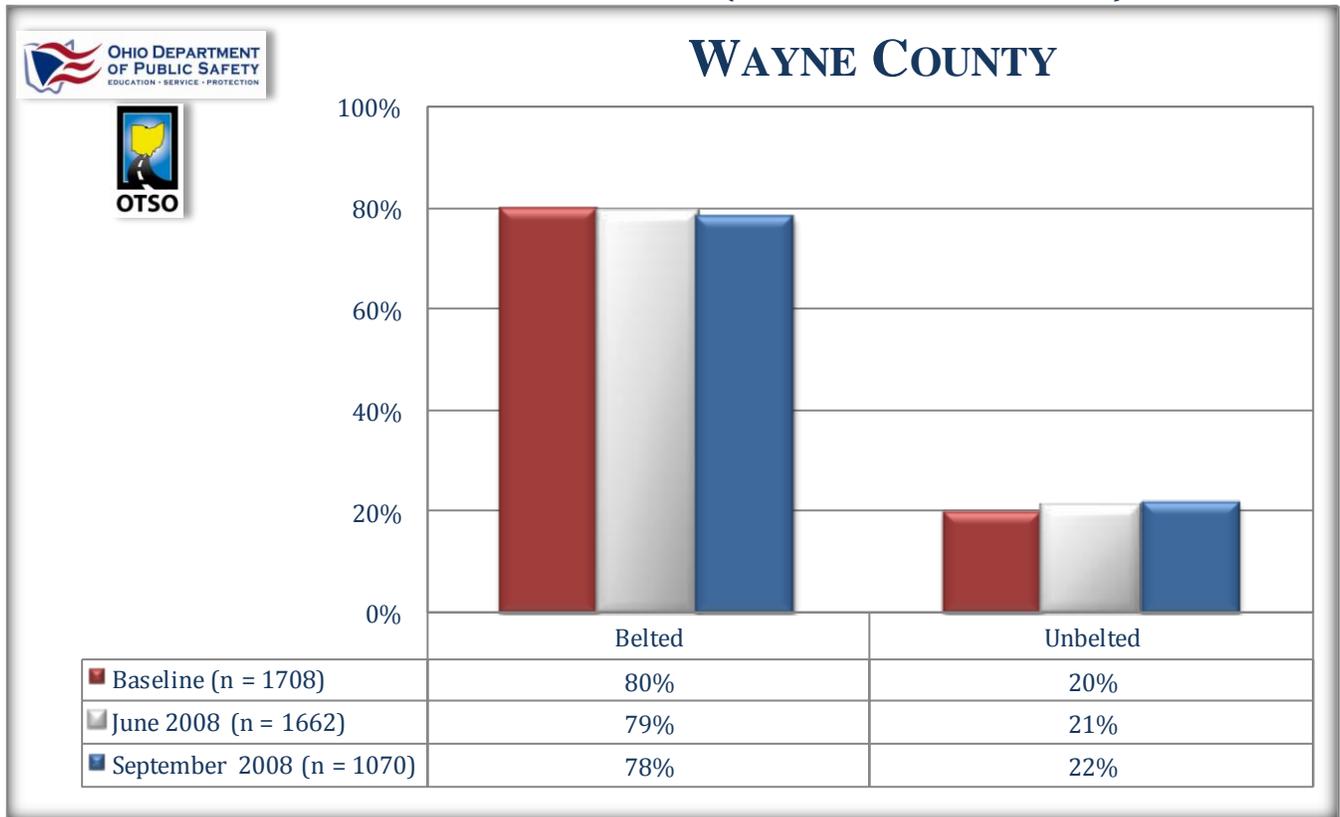
**TABLE 47: CROSS-TABULATION OF UNION COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Union County</b>		<b>85%</b>	<b>15%</b>	<b>5375</b>	<b>84%</b>	<b>17%</b>	<b>363</b>
Survey <sup>a</sup>	Baseline	89%	11%	1737	89%	11%	103
	June 2008	82%	18%	1749	82%	18%	171
	September 2008	85%	15%	1889	80%	20%	89
Vehicle Type	Passenger Car	88%	13%	2758	86%	14%	192
	Van/Minivan	89%	11%	688	83%	17%	71
	SUV	90%	10%	982	93%	7%	54
	Pickup Truck	70%	30%	947	63%	37%	46
Driver - Sex	Male	82%	19%	3073	83%	17%	221
	Female	90%	10%	2287	84%	16%	142
Driver - Age	15 - 25	73%	27%	519	68%	32%	37
	26 - 64	87%	13%	4102	83%	17%	247
	64+	84%	16%	733	94%	6%	79
Driver - Race	Caucasian	85%	15%	5264	83%	17%	353
	African American	85%	15%	54	80%	20%	5
	Other	68%	32%	22	100%		3
Passenger - Sex	Male	76%	24%	133	74%	26%	133
	Female	93%	7%	215	88%	12%	215
Passenger - Age	0 - 4	100%		2	100%		2
	5 - 14	63%	38%	8	63%	38%	8
	15 - 25	79%	21%	68	74%	27%	68
	26 - 64	88%	12%	163	87%	14%	163
	65+	96%	4%	78	91%	9%	78
Passenger - Race	Caucasian	88%	12%	311	85%	15%	311
	African American	75%	25%	4	75%	25%	4
	Other	67%	33%	3	67%	33%	3

## WAYNE COUNTY

Survey results in Wayne County for all occupants (*drivers and passengers*) showed a steady decrease of 2% from the Baseline (80%) to the June (79%) and September (78%) Surveys (Figure 48). The result in September indicates Wayne County is still well below NHTSA's targeted usage rate of 85% for the state of Ohio.

**FIGURE 48: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 80% of drivers and 79% of passengers in Wayne County were belted (Table 48). There was a decrease in seat belt use between the Baseline and the June Survey for both drivers and passengers; however, in the September Survey the rate increased among the observed passengers and should an additional decrease among the drivers. While all efforts to increase seat belt use are helpful, Wayne County should plan on placing extra focus on pickup truck occupants, which should help to increase their overall usage rate.

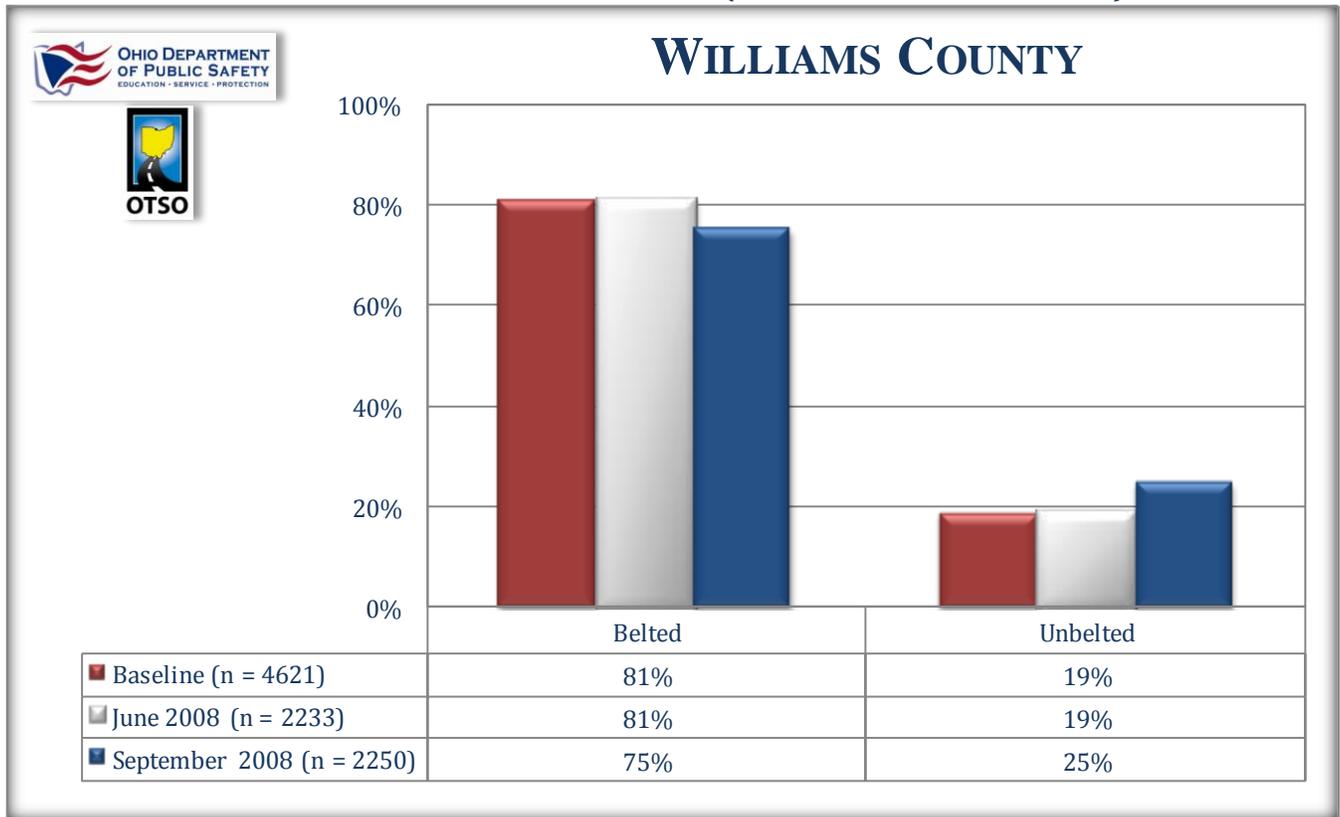
**TABLE 48: CROSS-TABULATION OF WAYNE COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Wayne County</b>		<b>80%</b>	<b>21%</b>	<b>3499</b>	<b>79%</b>	<b>21%</b>	<b>941</b>
Survey <sup>a</sup>	Baseline	81%	20%	1332	80%	20%	376
	June 2008	80%	21%	1315	78%	22%	347
	September 2008	78%	22%	852	80%	20%	218
Vehicle Type	Passenger Car	82%	18%	1668	80%	20%	446
	Van/Minivan	82%	18%	471	79%	21%	154
	SUV	81%	19%	636	86%	14%	176
	Pickup Truck	70%	30%	722	71%	29%	165
Driver - Sex	Male	76%	24%	1899	78%	22%	537
	Female	84%	16%	1594	81%	19%	400
Driver - Age	15 - 25	75%	25%	492	72%	28%	114
	26 - 64	80%	20%	2525	80%	20%	657
	64+	83%	18%	480	83%	17%	168
Driver - Race	Caucasian	80%	20%	3412	79%	21%	915
	African American	62%	38%	47	90%	10%	10
	Other	78%	22%	32	73%	27%	11
Passenger - Sex	Male	82%	18%	332	73%	27%	332
	Female	81%	19%	607	83%	17%	607
Passenger - Age	0 - 4		100%	1	100%		1
	5 - 14	83%	17%	88	88%	13%	88
	15 - 25	77%	23%	207	72%	28%	207
	26 - 64	82%	18%	451	79%	21%	451
	65+	85%	16%	194	84%	17%	194
Passenger - Race	Caucasian	81%	19%	918	79%	21%	918
	African American	64%	36%	11	82%	18%	11
	Other	92%	8%	12	75%	25%	12

## WILLIAMS COUNTY

The seat belt usage rate in Williams County for all occupants (*drivers and passengers*) remained the same between the Baseline (81%) and the June (81%) Survey. The results then declined during the September Survey to 75% (Figure 49). This decrease brings Williams County further away from NHTSA's targeted usage rate of 85% for the state of Ohio.

**FIGURE 49: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**



Overall, 80% of drivers and 82% of passengers were belted in Williams County (Table 49). There was a steady decrease in seat belt use between the 2008 Baseline and the June and September Surveys for both drivers and passengers. Further initiatives to increase seat belt use in Williams County should encompass all populations, with special emphasis on pickup truck occupants, and occupants who are male and between 15 and 64 years of age.

**TABLE 49: CROSS-TABULATION OF WILLIAMS COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Williams County</b>		<b>80%</b>	<b>21%</b>	<b>7846</b>	<b>82%</b>	<b>18%</b>	<b>1258</b>
Survey <sup>a</sup>	Baseline	81%	19%	4018	85%	15%	603
	June 2008	80%	20%	1874	83%	18%	359
	September 2008	76%	24%	1954	74%	26%	296
Vehicle Type	Passenger Car	81%	19%	3632	83%	17%	549
	Van/Minivan	84%	17%	1122	87%	13%	250
	SUV	85%	15%	1213	84%	16%	182
	Pickup Truck	71%	29%	1877	72%	28%	276
Driver - Sex	Male	76%	24%	4459	81%	19%	792
	Female	84%	16%	3358	83%	17%	462
Driver - Age	15 - 25	68%	32%	979	65%	35%	132
	26 - 64	81%	19%	5582	84%	16%	828
	64+	81%	19%	1275	83%	17%	296
Driver - Race	Caucasian	80%	20%	7634	82%	18%	1210
	African American	69%	31%	35	100%		10
	Other	70%	30%	118	55%	45%	20
Passenger - Sex	Male	82%	18%	460	75%	25%	460
	Female	85%	15%	796	85%	15%	796
Passenger - Age	0 - 4	100%		14	100%		14
	5 - 14	88%	12%	106	90%	10%	106
	15 - 25	75%	25%	206	69%	31%	206
	26 - 64	83%	17%	630	82%	18%	630
	65+	90%	10%	299	86%	14%	299
Passenger - Race	Caucasian	85%	15%	1209	82%	18%	1209
	African American	100%		7	100%		7
	Other	54%	46%	24	67%	33%	24

## WOOD COUNTY

Figure 50 shows that seat belt use in Wood County for all occupants (*drivers and passengers*) had a total increase of 6%. There was a 1% decrease from the Baseline (78%) to the June Survey (77%), and then an increase in the September Survey to 84%. It should be noted that these findings are based on a relatively lower number of observations, however.

**FIGURE 50: SEAT BELT USAGE RATE FOR ALL OCCUPANTS (INCLUDES DRIVERS AND PASSENGERS)**

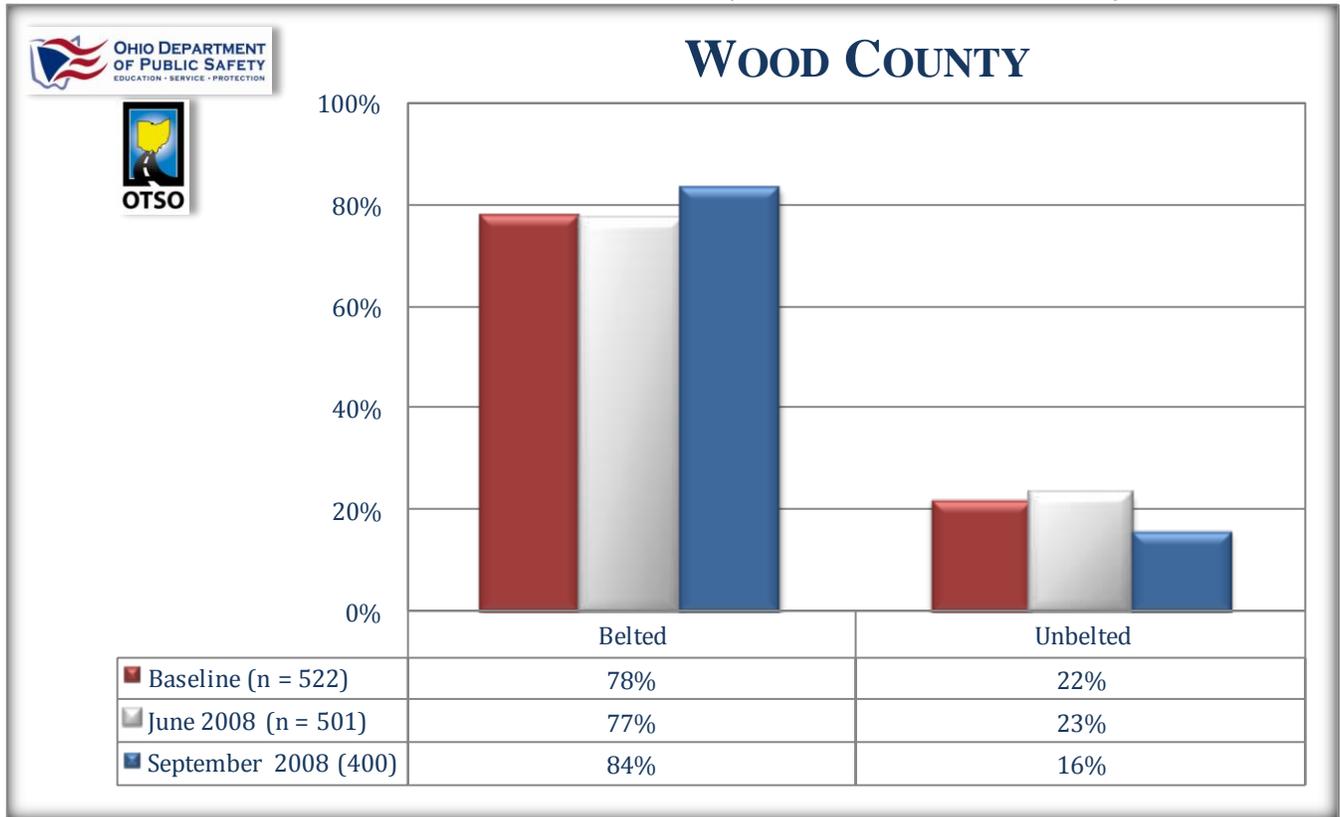


Table 50 shows that overall, 79% of drivers and only 78% of passengers in Wood County were belted. There was a slight decrease in seat belt use from the Baseline to the June Survey for the drivers and a slight increase for the passengers. For the September Survey, there was an increase for both the passengers and the drivers. Further initiatives to increase seat belt use in Wood County should encompass all populations, with special emphasis on pickup truck occupants, and occupants who are male and between 15 and 64 years of age.

**TABLE 50: CROSS-TABULATION OF WOOD COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS**

		Driver			Passenger		
		Belted	Unbelted	Total	Belted	Unbelted	Total
<b>Overall Results for Wood County</b>		<b>79%</b>	<b>21%</b>	<b>1189</b>	<b>78%</b>	<b>22%</b>	<b>234</b>
Survey <sup>a</sup>	Baseline	78%	22%	446	76%	24%	76
	June 2008	77%	24%	404	77%	23%	97
	September 2008	84%	16%	339	82%	18%	61
Vehicle Type	Passenger Car	79%	21%	591	82%	18%	115
	Van/Minivan	82%	18%	153	75%	25%	40
	SUV	83%	17%	219	86%	14%	43
	Pickup Truck	73%	27%	222	61%	39%	36
Driver - Sex	Male	76%	24%	640	78%	22%	136
	Female	83%	17%	534	80%	20%	95
Driver - Age	15 - 25	74%	26%	238	71%	29%	38
	26 - 64	80%	20%	837	78%	22%	160
	64+	80%	20%	111	86%	14%	36
Driver - Race	Caucasian	79%	21%	1078	78%	22%	211
	African American	79%	21%	47	40%	60%	5
	Other	81%	19%	36	100%		5
Passenger - Sex	Male	74%	26%	89	72%	28%	89
	Female	84%	16%	144	82%	18%	144
Passenger - Age	0 - 4	100%		4	100%		4
	5 - 14	95%	5%	20	95%	5%	20
	15 - 25	71%	29%	59	70%	31%	59
	26 - 64	79%	21%	117	76%	24%	117
	65+	91%	9%	34	88%	12%	34
Passenger - Race	Caucasian	80%	21%	224	78%	22%	224
	African American	100%		3	67%	33%	3
	Other	100%		6	100%		6