

# Grantee Observation of Seat Belt Use 2010 Survey Results



Prepared for:  
**Ohio Department of Public Safety**  
**Ohio Traffic Safety Office**



Applied Research Center  
Miami University  
2 South Main Street  
Middletown, OH 45044  
(513) 217-4306 FAX (513) 217-6777  
[seufferl@muohio.edu](mailto:seufferl@muohio.edu)

# **GRANTEE OBSERVATION OF SEAT BELT USE 2010 SURVEY RESULTS**



**Submitted by:**

**ROBERT L. SEUFERT, PH.D., DIRECTOR**

**AMY J. WALTON, PROJECT ANALYST AND IT COORDINATOR**



Applied Research Center  
Miami University  
2 South Main Street  
Middletown, OH 45044  
(513) 217-4306 FAX (513) 217-6777  
seuferl@muohio.edu

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The Ohio Department of Public Safety (ODPS) and its Ohio Traffic Safety Office (OTSO), with funding from the National Highway Traffic Safety Administration (NHTSA), demonstrate their ongoing commitment to reduce highway fatalities and serious injuries by increasing county seat belt use through OTSO sponsored Safe Communities and other grantee initiatives. I sincerely appreciate the support provided by Karlhlon F. Moore, Executive Director, Office of Criminal Justice Services, and the assistance provided by Felice J. Moretti, Federal Projects Manager, Ohio Department of Public Safety Office and its Ohio Traffic Safety Office. Also, Robert Wakefield graciously provided timely assistance throughout the project.

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*Robert L. Seufert*  
February, 2011

# TABLE OF CONTENTS

<b>INTRODUCTION.....</b>	<b>1</b>
<b>METHODS.....</b>	<b>1</b>
<b>RESULTS .....</b>	<b>3</b>
All Participating Counties.....	3
Allen County.....	5
Ashland County .....	6
Ashtabula County .....	7
Brown County .....	8
Butler County .....	9
Carroll County.....	10
Clark County .....	11
Clermont County .....	12
Columbiana County.....	13
Crawford County.....	14
Cuyahoga County .....	15
Delaware County.....	16
Fairfield County.....	17
Fayette County.....	18
Franklin County.....	19
Gallia County.....	20
Geauga County .....	21
Greene County .....	22
Hamilton County .....	23
Hancock County .....	24
Harrison County .....	25
Highland County .....	26
Holmes County.....	27
Knox County.....	28
Lake County .....	29
Licking County .....	30
Logan County.....	31
Lorain County.....	32

Lucas County .....	33
Mahoning County.....	34
Marion County .....	35
Medina County.....	36
Miami County .....	37
Montgomery County.....	38
Morrow County .....	39
Muskingum County.....	40
Pickaway County.....	41
Portage County .....	42
Richland County .....	43
Ross County .....	44
Seneca County .....	45
Stark County .....	46
Summit County .....	47
Trumbull County.....	48
Tuscarawas County.....	49
Union County.....	50
Wayne County .....	51
Williams County .....	52
Wood County.....	53
<b>CONCLUSION.....</b>	<b>54</b>
<b>REFERENCES.....</b>	<b>55</b>
<b>APPENDIX A – PLANNER ASSIGNED REGIONS.....</b>	<b>56</b>

## INTRODUCTION

During 2010, the Ohio Department of Public Safety (ODPS) and the Ohio Traffic Safety Office (OTSO) continued to require annual observation survey data on seat belt use from 49 OTSO-sponsored grantees, including 31 Safe Communities counties and 18 other grantee counties (i.e., law enforcement and occupant protection grantees). These annual surveys are an important component of OTSO's commitment to reduce highway fatalities and serious injuries by increasing seat belt use. Toward that goal, this report contains information on grantee county seat belt use overall and by each grantee county. The highest observed usage rate from the previous annual survey, when available, serves as the comparison benchmark or baseline seat belt use rate.<sup>1</sup> June 2010 survey data were collected concurrently with the national and the Ohio Department of Public Safety and Ohio Traffic Safety Office's statewide *Click It or Ticket Campaign Earned Media*, Paid Media, and Law Enforcement initiatives to increase seat belt use. Follow-up survey data were collected during September 2010. Overall, grantees conducted 204,778 surveys of seat belt use by front seat occupants, including 174,476 drivers and 30,302 outboard passengers.

The accompanying figures and tables contain data from those surveys and depict observed seat belt use rates by specified front seat occupants in counties served by OTSO grantees. It is important to note that survey results for each county vary as a function of grantee fidelity to the survey protocol, such as the sample of observation sites (i.e., number and location of sites and site characteristics), vehicle and occupant sample size at each site, time of day and day of week when survey data were collected, and other potentially confounding factors. This caveat should be considered when interpreting, planning, and acting to improve highway safety based on the 2010 survey results. The grantee survey results indicate an overall un-weighted statewide seat belt use rate of 78% at baseline and 77% during the June and September 2010 surveys. It is very important to emphasize that seat belt use rates obtained through the OTSO grantee surveys are **not derived solely from random probability samples**. Consequently, they **do not** replace or replicate Ohio's annual statewide observational survey which conforms to National Highway Traffic Safety Association (NHTSA) guidelines. During that annual survey, all observation sites are randomly selected signaled intersections or off-ramps from each of Ohio's five planning regions and all sites have an equal probability of being selected (Seufert, Walton, Kubilius, & Newton, 2010).

## METHODS

While the 2010 OTSO survey methodological protocol was similar to that of the annual statewide survey, grantees were not required to strictly adhere to NHTSA's standards. For instance, when statewide survey sites were present in a county, OTSO required grantees to conduct surveys at those sites. However, additional sites required by OTSO were either randomly selected by the Applied Research Center staff from the Ohio Department of Transportation database of Ohio roads and/or selected by grantees based on programmatic or judgmental criteria related to their county's specific highway safety goals, seat belt use concerns, and available resources. The 31 OTSO designated Safe Communities counties were assigned a minimum of 19 observation sites and the remaining 18 grantee counties were each assigned a minimum of four observation sites; however, grantees could exceed the minimum number of sites in response to their unique highway safety concerns. Nevertheless, grantees sometimes failed to satisfy these minimum requirements.

Assuming that the survey protocol for each OTSO grantee county remained unchanged during the June through September 2010 surveys, grantee counties – especially Safe Communities counties – are hypothesized to have comparatively higher observed rates of seat belt use

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<sup>1</sup> In the absence of 2009 data, the highest prior usage data submitted to the Applied Research Center served as the comparative benchmark or baseline seat belt use rate.

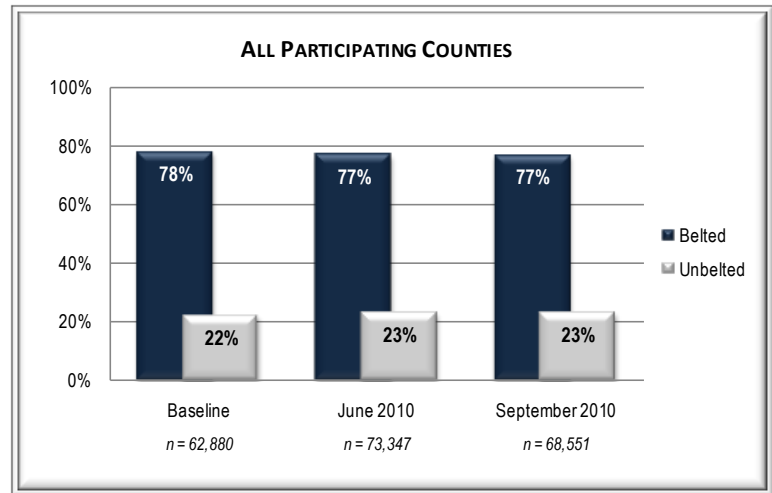
during the June 2010 survey than during the September 2010 survey. As previously stated, this outcome was expected since the June 2010 observation survey data were collected concurrently with the national and statewide *Click It or Ticket Campaign* initiatives to increase seat belt use. Furthermore, it was expected that counties with Safe Communities sponsored seat belt initiatives and with their larger and more representative samples would be better able than other OTSO grantees to replicate or maintain the positive effects of the *Click It or Ticket Campaign* through September 2010. Consequently, this report contains a descriptive analysis of the annual June and September 2010 grantee survey results for each county relative to its own benchmark data and its contribution to achieving an 85% seat belt use rate in Ohio, a goal which has been formally adopted by ODPS and OTSO. Overall, survey data from the 49 OTSO grantee counties are included in this report. The results should be used to enhance statewide, county, and local seat belt use and highway safety with the above sample selection criteria, goals, and limitations in mind.

The complete survey methodology was presented to OTSO and its grantees for vetting, and subsequently revised, before, during, and after the first year of this OTSO initiative. *A Guidebook for Observing Occupant Restraint System Use and Misuse: Adapted for Ohio with Permission of the AAA Foundation for Traffic Safety* (Seufert, Kubilius, & Walton, 2006; from Decina & Lococo, 2005; and Eby, 2000) contains the complete survey protocol and resources used to conduct this study, including the current Seat Belt Survey Site Description Form and Seat Belt Survey Data Collection Form. The resources and current forms used to complete this study are available online at: [http://ohiohighwaysafetyoffice.ohio.gov/otso\\_grantee\\_info.stm](http://ohiohighwaysafetyoffice.ohio.gov/otso_grantee_info.stm). In preparation for the 2011 OTSO observational survey and subsequent surveys, these resources and forms should be carefully examined by all new grantee observers of seat belt use and reviewed by continuing and experienced observers. In addition to reproducing and using the available online forms, grantees and their observers should consult their designated OTSO Planner (see Appendix A) and/or the Miami University Applied Research Center director or staff for additional information or assistance. Finally, results from the *Observational Survey of Seat Belt Use in Ohio* (Seufert et al., 2010) are available online through the above URL.

# RESULTS

## ALL PARTICIPATING COUNTIES

As previously stated, OTSO grantees conducted 204,778 observation surveys of seat belt use by front seat occupants, including 174,476 drivers and 30,302 passengers. The benchmark or baseline surveys included 62,880 front seat occupants, while the June 2010 survey had 73,347 occupants and September 2010 had 68,551 occupants. During these surveys, observed seat belt use by front seat occupants declined slightly between the baseline and the 2010 surveys to 77%, remaining well below the 85% seat belt use goal.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN ALL PARTICIPATING COUNTIES

	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	637	53,055	62,880
<b>JUNE 2010</b>	626	62,417	73,347
<b>SEPTEMBER 2010</b>	622	59,004	68,551

### 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>		77.4%	22.6%	174,476	76.6%	23.4%	30,302
<b>SURVEY</b>	<b>BASILINE</b>	78.2%	21.8%	53,055	76.9%	23.1%	9,825
	<b>JUNE 2010</b>	77.1%	22.9%	62,417	76.6%	23.4%	10,930
	<b>SEPTEMBER 2010</b>	77.0%	23.0%	59,004	76.3%	23.7%	9,547
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	78.4%	21.6%	87,684	76.9%	23.1%	15,059
	<b>VAN/MINIVAN</b>	81.2%	18.8%	19,978	80.7%	19.3%	4,373
	<b>SUV</b>	80.9%	19.1%	33,977	81.4%	18.6%	5,815
	<b>PICKUP TRUCK</b>	68.8%	31.2%	32,398	66.8%	33.2%	4,983
<b>SEX</b>	<b>MALE</b>	74.0%	26.0%	98,153	68.2%	31.8%	10,848
	<b>FEMALE</b>	82.0%	18.0%	73,649	81.3%	18.7%	19,168
<b>AGE</b>	<b>0 - 4</b>	-	-	-	87.4%	12.6%	183
	<b>5 - 14</b>	-	-	-	82.4%	17.6%	2,562
	<b>15 - 25</b>	70.4%	29.6%	23,078	68.3%	31.7%	7,097
	<b>26 - 64</b>	78.0%	22.0%	128,216	76.3%	23.7%	15,408
	<b>65+</b>	82.1%	17.9%	18,412	86.6%	13.4%	4,496
<b>RACE</b>	<b>CAUCASIAN</b>	78.1%	21.9%	155,475	77.7%	22.3%	26,629
	<b>AFRICAN AMERICAN</b>	67.6%	32.4%	10,965	60.8%	39.2%	2,085
	<b>OTHER</b>	78.2%	21.8%	2,138	75.8%	24.2%	454

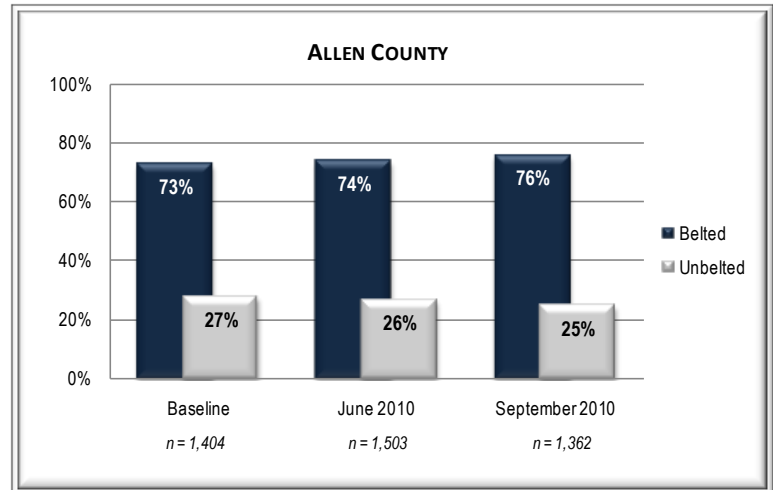


**TOTAL BELTED OCCUPANTS FOR EACH COUNTY BY SURVEY FOR 2010. (\* DENOTES SAFE COMMUNITIES)**

	<b>BASELINE</b>	<b>JUNE</b>	<b>SEPTEMBER</b>
<b>ALL COUNTIES</b>	78%	77%	77%
<b>ALLEN COUNTY *</b>	73%	74%	76%
<b>ASHLAND COUNTY</b>	74%	84%	78%
<b>ASHTABULA COUNTY *</b>	77%	77%	74%
<b>BROWN COUNTY *</b>	76%	69%	75%
<b>BUTLER COUNTY *</b>	77%	71%	71%
<b>CARROLL COUNTY</b>	71%	65%	66%
<b>CLARK COUNTY *</b>	69%	68%	70%
<b>CLERMONT COUNTY *</b>	81%	78%	79%
<b>COLUMBIANA COUNTY *</b>	51%	86%	92%
<b>CRAWFORD COUNTY</b>	89%	89%	87%
<b>CUYAHOGA COUNTY *</b>	79%	74%	69%
<b>DELAWARE COUNTY *</b>	90%	78%	77%
<b>FAIRFIELD COUNTY *</b>	77%	74%	75%
<b>FAYETTE COUNTY</b>	-	67%	60%
<b>FRANKLIN COUNTY *</b>	74%	76%	75%
<b>GALLIA COUNTY</b>	7%	-	60%
<b>GEAUGA COUNTY</b>	76%	83%	77%
<b>GREENE COUNTY *</b>	83%	75%	80%
<b>HAMILTON COUNTY *</b>	77%	82%	84%
<b>HANCOCK COUNTY</b>	91%	88%	92%
<b>HARRISON COUNTY</b>	81%	77%	78%
<b>HIGHLAND COUNTY</b>	77%	82%	77%
<b>HOLMES COUNTY *</b>	77%	76%	74%
<b>KNOX COUNTY *</b>	86%	85%	88%
<b>LAKE COUNTY *</b>	71%	74%	72%
<b>LICKING COUNTY *</b>	78%	76%	76%
<b>LOGAN COUNTY</b>	86%	89%	85%
<b>LORAIN COUNTY *</b>	74%	78%	73%
<b>LUCAS COUNTY *</b>	79%	85%	88%
<b>MAHONING COUNTY *</b>	74%	76%	74%
<b>MARION COUNTY</b>	71%	75%	69%
<b>MEDINA COUNTY *</b>	85%	79%	73%
<b>MIAMI COUNTY</b>	80%	89%	62%
<b>MONTGOMERY COUNTY</b>	84%	86%	-
<b>MORROW COUNTY *</b>	85%	79%	81%
<b>MUSKINGUM COUNTY</b>	55%	80%	80%
<b>PICKAWAY COUNTY</b>	67%	64%	64%
<b>PORTAGE COUNTY *</b>	76%	79%	76%
<b>RICHLAND COUNTY *</b>	84%	83%	84%
<b>ROSS COUNTY *</b>	76%	77%	76%
<b>SENECA COUNTY</b>	83%	91%	87%
<b>STARK COUNTY *</b>	66%	69%	74%
<b>SUMMIT COUNTY *</b>	67%	61%	54%
<b>TRUMBULL COUNTY *</b>	71%	69%	72%
<b>TUSCARAWAS COUNTY</b>	68%	65%	61%
<b>UNION COUNTY *</b>	89%	80%	79%
<b>WAYNE COUNTY *</b>	75%	79%	78%
<b>WILLIAMS COUNTY *</b>	82%	77%	90%
<b>WOOD COUNTY</b>	89%	87%	94%

## ALLEN COUNTY

Seat belt use in Allen County, a 2010 Safe Communities grantee, increased from the 2009 baseline rate of 73% to 74% during June 2010 and 76% during September 2010. Therefore, the Allen County seat belt use rate remained well below the 85% seat belt use goal.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN ALLEN COUNTY

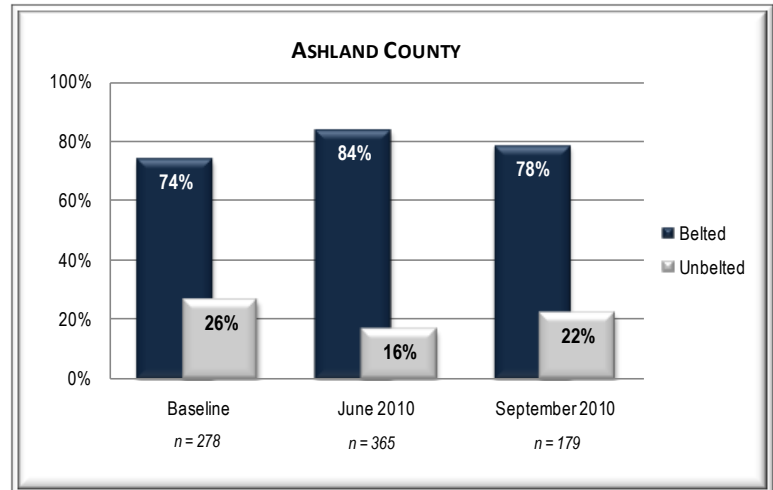
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	1,218	1,404
<b>JUNE 2010</b>	19	1,265	1,503
<b>SEPTEMBER 2010</b>	19	1,254	1,362

### 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>		74.1%	25.9%	3,737	72.6%	27.4%	532
<b>SURVEY</b>	<b>BASILINE</b>	72.6%	27.4%	1,218	73.1%	26.9%	186
	<b>JUNE 2010</b>	74.6%	25.4%	1,265	68.9%	31.1%	238
	<b>SEPTEMBER 2010</b>	75.0%	25.0%	1,254	79.6%	20.4%	108
<b>VEHICLE TYPE`</b>	<b>PASSENGER CAR</b>	75.2%	24.8%	1,968	72.4%	27.6%	294
	<b>VAN/MINIVAN</b>	81.0%	19.0%	521	81.1%	18.9%	74
	<b>SUV</b>	78.0%	22.0%	632	78.9%	21.1%	90
	<b>PICKUP TRUCK</b>	60.7%	39.3%	611	56.2%	43.8%	73
<b>SEX</b>	<b>MALE</b>	71.0%	29.0%	2,121	59.1%	40.9%	186
	<b>FEMALE</b>	78.3%	21.7%	1,602	79.9%	20.1%	344
<b>AGE</b>	<b>0 - 4</b>	-	-	-		100.0%	2
	<b>5 - 14</b>	-	-	-	75.0%	25.0%	44
	<b>15 - 25</b>	62.9%	37.1%	626	50.4%	49.6%	123
	<b>26 - 64</b>	76.1%	23.9%	2,574	77.3%	22.7%	238
	<b>65+</b>	77.9%	22.1%	525	85.5%	14.5%	124
<b>RACE</b>	<b>CAUCASIAN</b>	74.8%	25.2%	3,561	74.8%	25.2%	503
	<b>AFRICAN AMERICAN</b>	55.0%	45.0%	140	30.4%	69.6%	23
	<b>OTHER</b>	69.2%	30.8%	13	66.7%	33.3%	3

## ASHLAND COUNTY

Seat belt use in Ashland County fluctuated during the survey periods. For instance, seat belt use by front seat occupants increased from 74% during the baseline survey to 84% during the June 2010 survey, and then decreased to 78% during September 2010. This fluctuation was likely due to the small and varied samples of sites, vehicles, and occupants. Because of apparent confounding influences, the county's survey protocol should be reviewed, adjusted, and standardized to comply with the methodological information cited in the Introduction.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN ASHLAND COUNTY

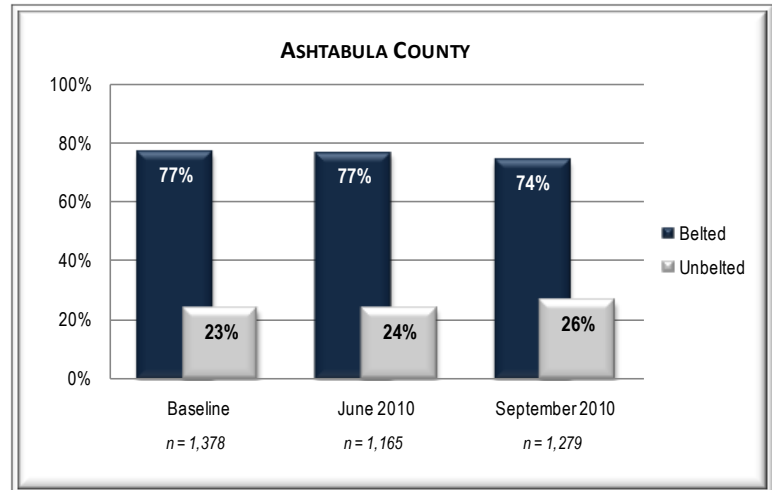
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	4	236	278
<b>JUNE 2010</b>	3	312	365
<b>SEPTEMBER 2010</b>	2	159	179

### 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>		79.2%	20.8%	707	78.3%	21.7%	115
<b>SURVEY</b>	<b>BASILINE</b>	72.9%	27.1%	236	78.6%	21.4%	42
	<b>JUNE 2010</b>	84.0%	16.0%	312	81.1%	18.9%	53
	<b>SEPTEMBER 2010</b>	79.2%	20.8%	159	70.0%	30.0%	20
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	79.9%	20.1%	364	75.4%	24.6%	61
	<b>VAN/MINIVAN</b>	73.8%	26.2%	84	87.5%	12.5%	16
	<b>SUV</b>	86.7%	13.3%	135	85.7%	14.3%	14
	<b>PICKUP TRUCK</b>	71.4%	28.6%	119	73.9%	26.1%	23
<b>SEX</b>	<b>MALE</b>	76.3%	23.7%	333	75.5%	24.5%	49
	<b>FEMALE</b>	82.0%	18.0%	366	82.5%	17.5%	63
<b>AGE</b>	<b>0 - 4</b>	-	-	-	-	-	-
	<b>5 - 14</b>	-	-	-	100.0%	-	8
	<b>15 - 25</b>	69.2%	30.8%	91	66.7%	33.3%	27
	<b>26 - 64</b>	79.1%	20.9%	531	78.5%	21.5%	65
	<b>65+</b>	90.0%	10.0%	80	85.7%	14.3%	14
<b>RACE</b>	<b>CAUCASIAN</b>	79.4%	20.6%	669	78.1%	21.9%	114
	<b>AFRICAN AMERICAN</b>	100.0%	-	5	100.0%	-	1
	<b>OTHER</b>	-	-	-	-	-	-

## ASHTABULA COUNTY

Seat belt use in Ashtabula County, a 2010 Safe Communities grantee, declined from 77% during the baseline and June 2010 surveys to 74% during September 2010. Consequently, seat belt use was well below the target of 85%. Due to the change in the number of observations sites, the survey protocol should be examined, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN ASHTABULA COUNTY

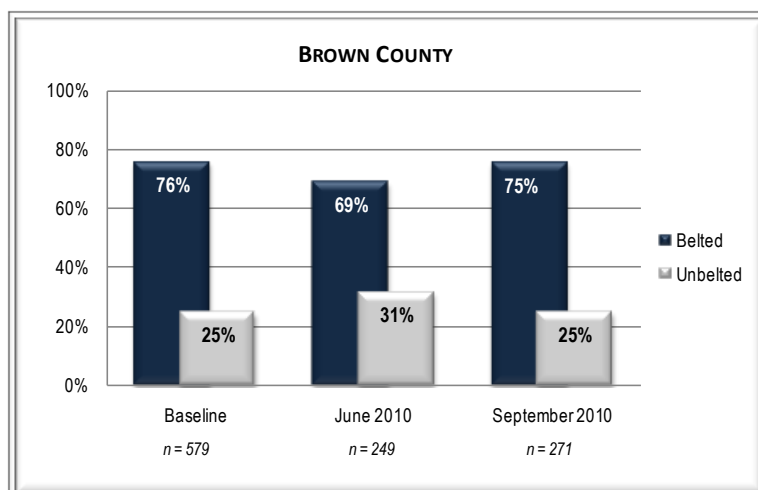
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	18	1,104	1,378
<b>JUNE 2010</b>	18	972	1,165
<b>SEPTEMBER 2010</b>	19	1,117	1,279

### 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
OVERALL RESULTS FOR ASHTABULA COUNTY		74.5%	25.5%	3,193	82.0%	18.0%	629
SURVEY	BASELINE	75.1%	24.9%	1,104	82.8%	17.2%	274
	JUNE 2010	75.3%	24.7%	972	82.4%	17.6%	193
	SEPTEMBER 2010	73.1%	26.9%	1,117	80.2%	19.8%	162
VEHICLE TYPE	PASSENGER CAR	77.1%	22.9%	1,808	84.6%	15.4%	345
	VAN/MINIVAN	79.4%	20.6%	350	90.1%	9.9%	91
	SUV	76.8%	23.2%	384	82.6%	17.4%	86
	PICKUP TRUCK	62.4%	37.6%	607	67.0%	33.0%	103
SEX	MALE	70.6%	29.4%	1,987	71.1%	28.9%	142
	FEMALE	81.0%	19.0%	1,174	85.4%	14.6%	479
AGE	0 – 4	-	-	-	100.0%		10
	5 – 14	-	-	-	96.7%	3.3%	61
	15 – 25	71.5%	28.5%	316	74.5%	25.5%	110
	26 – 64	75.2%	24.8%	2,526	82.1%	17.9%	341
	65+	72.8%	27.2%	331	77.8%	22.2%	99
RACE	CAUCASIAN	74.7%	25.3%	2,885	82.7%	17.3%	544
	AFRICAN AMERICAN	72.9%	27.1%	155	66.7%	33.3%	9
	OTHER	74.2%	25.8%	120	80.0%	20.0%	5

## BROWN COUNTY

The seat belt use rate in Brown County, a 2010 Safe Communities grantee, decreased significantly between the baseline (76%) and June 2010 (69%) surveys. Usage then increased to 75% in September 2010. Fluctuation in seat belt use was likely due to variation in the number of observation sites and the small and varied sample sizes. Consequently, because of these confounding influences, the Brown County survey protocol should be examined, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN BROWN COUNTY

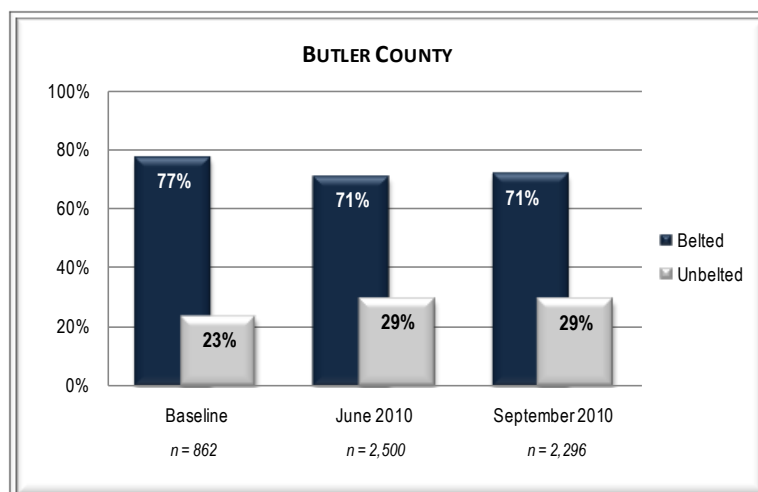
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	488	579
<b>JUNE 2010</b>	14	181	249
<b>SEPTEMBER 2010</b>	17	200	271

### 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>		73.8%	26.2%	869	74.3%	25.7%	230
<b>SURVEY</b>	<b>BASILINE</b>	74.2%	25.8%	488	82.4%	17.6%	91
	<b>JUNE 2010</b>	71.3%	28.7%	181	61.8%	38.2%	68
	<b>SEPTEMBER 2010</b>	75.0%	25.0%	200	76.1%	23.9%	71
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	74.7%	25.3%	395	71.1%	28.9%	97
	<b>VAN/MINIVAN</b>	73.0%	27.0%	63	66.7%	33.3%	21
	<b>SUV</b>	76.0%	24.0%	171	91.1%	8.9%	56
	<b>PICKUP TRUCK</b>	70.6%	29.4%	235	64.8%	35.2%	54
<b>SEX</b>	<b>MALE</b>	74.7%	25.3%	530	63.9%	36.1%	83
	<b>FEMALE</b>	72.4%	27.6%	333	80.1%	19.9%	146
<b>AGE</b>	<b>0 - 4</b>	-	-	-	80.0%	20.0%	5
	<b>5 - 14</b>	-	-	-	64.3%	35.7%	14
	<b>15 - 25</b>	70.1%	29.9%	194	67.1%	32.9%	85
	<b>26 - 64</b>	72.3%	27.7%	530	76.2%	23.8%	101
	<b>65+</b>	84.0%	16.0%	144	96.0%	4.0%	25
<b>RACE</b>	<b>CAUCASIAN</b>	73.9%	26.1%	838	75.8%	24.2%	219
	<b>AFRICAN AMERICAN</b>	77.8%	22.2%	18	42.9%	57.1%	7
	<b>OTHER</b>	-	-	-	-	-	-

## BUTLER COUNTY

Seat belt use in Butler County, a 2010 Safe Communities grantee, decreased from 77% during the baseline survey to 71% during both the June and September 2010 surveys. It is important to note that since 2009 survey data were unavailable, Butler County's baseline rate was derived from the seven sites observed during June 2008. The present results suggest the Butler County survey protocol, including the number of observation sites, should be reviewed, modified, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN BUTLER COUNTY

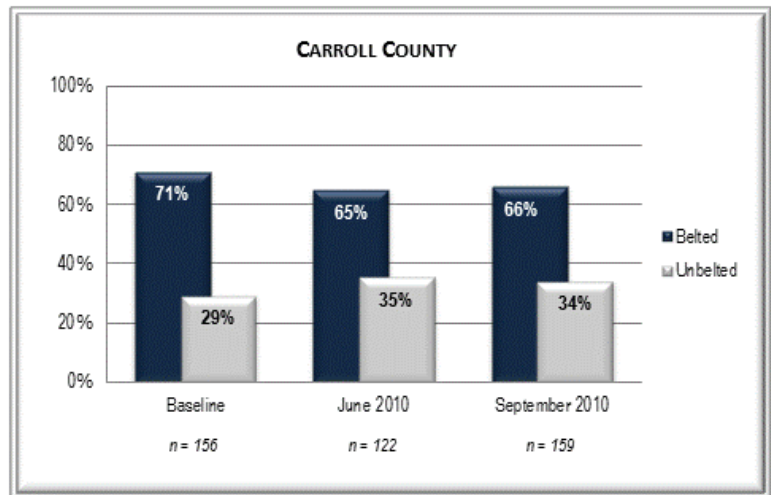
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASLINE</b>	7	685	862
<b>JUNE 2010</b>	19	2,108	2,500
<b>SEPTEMBER 2010</b>	19	1,952	2,296

### 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>		72.1%	27.9%	4,745	70.1%	29.9%	913
<b>SURVEY</b>	<b>BASLINE</b>	76.5%	23.5%	685	79.1%	20.9%	177
	<b>JUNE 2010</b>	71.0%	29.0%	2,108	68.1%	31.9%	392
	<b>SEPTEMBER 2010</b>	71.8%	28.2%	1,952	67.7%	32.3%	344
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	74.2%	25.8%	2,213	72.5%	27.5%	444
	<b>VAN/MINIVAN</b>	73.4%	26.6%	542	69.7%	30.3%	142
	<b>SUV</b>	75.5%	24.5%	861	75.0%	25.0%	148
	<b>PICKUP TRUCK</b>	64.7%	35.3%	1,114	59.8%	40.2%	174
<b>SEX</b>	<b>MALE</b>	68.8%	31.2%	2,678	63.2%	36.8%	329
	<b>FEMALE</b>	77.6%	22.4%	1,761	73.8%	26.2%	581
<b>AGE</b>	<b>0 – 4</b>	-	-	-	100.0%	-	9
	<b>5 – 14</b>	-	-	-	78.3%	21.7%	60
	<b>15 – 25</b>	66.6%	33.4%	560	59.8%	40.2%	209
	<b>26 – 64</b>	73.1%	26.9%	3,348	69.0%	31.0%	494
	<b>65+</b>	73.1%	26.9%	521	83.1%	16.9%	136
<b>RACE</b>	<b>CAUCASIAN</b>	73.2%	26.8%	4,098	70.9%	29.1%	836
	<b>AFRICAN AMERICAN</b>	57.7%	42.3%	265	55.6%	44.4%	63
	<b>OTHER</b>	75.0%	25.0%	52	81.8%	18.2%	11

## CARROLL COUNTY

Since 2009 survey data were unavailable, baseline data for Carroll County were taken from the June 2008 survey. The county's seat belt use increased slightly between the June and September 2010 surveys; however, usage was well below the targeted rate of 85%. Fluctuation in seat belt use was most likely due to the relatively small and varied sample size. Therefore, the survey protocol should be reviewed, adjusted if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN CARROLL COUNTY

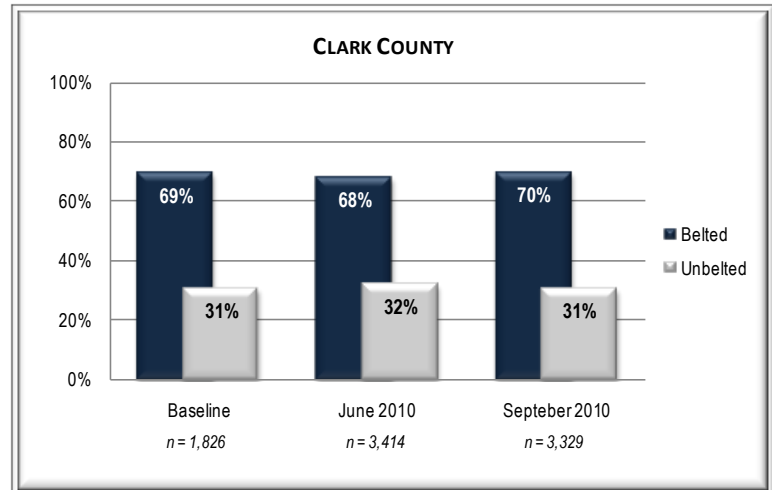
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASLINE</b>	4	120	156
<b>JUNE 2010</b>	4	101	122
<b>SEPTEMBER 2010</b>	4	135	159

### 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>		66.0	34.0	356	74.1%	25.9%	81
<b>SURVEY</b>	<b>BASLINE</b>	68.3	31.7	120	80.6%	19.4%	36
	<b>JUNE 2010</b>	64.4	35.6	101	66.7%	33.3%	21
	<b>SEPTEMBER 2010</b>	65.2	34.8	135	70.8%	29.2%	24
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	73.9	26.1	157	84.8%	15.2%	33
	<b>VAN/MINIVAN</b>	63.6	36.4	44	61.5%	38.5%	13
	<b>SUV</b>	72.2	27.8	72	83.3%	16.7%	18
	<b>PICKUP TRUCK</b>	47.0	53.0	83	52.9%	47.1%	17
<b>SEX</b>	<b>MALE</b>	63.0	37.0	189	56.7%	43.3%	30
	<b>FEMALE</b>	69.5	30.5	167	87.0%	13.0%	46
<b>AGE</b>	<b>0 - 4</b>	-	-	-	-	-	-
	<b>5 - 14</b>	-	-	-	100.0%	-	7
	<b>15 - 25</b>	67.6	32.4	34	72.7%	27.3%	11
	<b>26 - 64</b>	63.9	36.1	280	71.7%	28.3%	53
	<b>65+</b>	78.0	22.0	41	66.7%	33.3%	9
<b>RACE</b>	<b>CAUCASIAN</b>	66.1	33.9	351	73.8%	26.3%	80
	<b>AFRICAN AMERICAN</b>	-	-	-	-	-	-
	<b>OTHER</b>	-	-	-	-	-	-

## CLARK COUNTY

Clark County, a 2010 Safe Communities grantee, experienced a 1% decline in seat belt use between the baseline and June 2010 survey. Seat belt use then increased to 70% during the September 2010 survey. However, changes in survey protocol also occurred. For example, although the number of sites increased from 18 to 19, the total sample of vehicles and occupants declined during the September survey. Due to the apparent confounding influences, the survey protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN CLARK COUNTY

	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	18	1,608	1,826
<b>JUNE 2010</b>	18	3,060	3,414
<b>SEPTEMBER 2010</b>	19	2,722	3,329

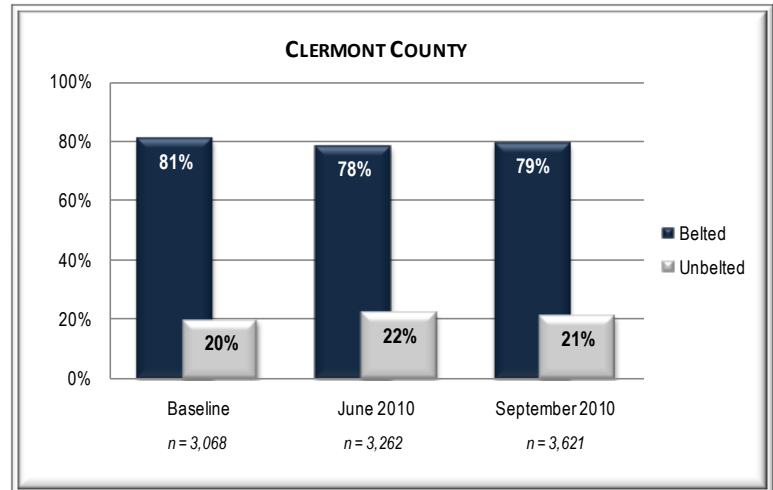
### CROSS-TABULATION OF CLARK COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS

		DRIVER			PASSENGER		
		BELTED	UNBELTED	TOTAL	BELTED	UNBELTED	TOTAL
<b>OVERALL RESULTS FOR CLARK COUNTY</b>		69.0%	31.0%	7,390	68.4%	31.6%	1,179
<b>SURVEY</b>	<b>BASELINE</b>	69.2%	30.8%	1,608	71.6%	28.4%	218
	<b>JUNE 2010</b>	68.7%	31.3%	3,060	62.7%	37.3%	354
	<b>SEPTEMBER 2010</b>	69.3%	30.7%	2,722	70.5%	29.5%	607
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	70.2%	29.8%	3,582	68.2%	31.8%	601
	<b>VAN/MINIVAN</b>	72.3%	27.7%	990	74.5%	25.5%	192
	<b>SUV</b>	70.2%	29.8%	1,176	75.7%	24.3%	177
	<b>PICKUP TRUCK</b>	63.2%	36.8%	1,535	57.3%	42.7%	206
<b>SEX</b>	<b>MALE</b>	67.2%	32.8%	4,081	59.8%	40.2%	425
	<b>FEMALE</b>	71.9%	28.1%	2,880	74.1%	25.9%	691
<b>AGE</b>	<b>0 - 4</b>	-	-	-	90.0%	10.0%	20
	<b>5 - 14</b>	-	-	-	77.0%	23.0%	113
	<b>15 - 25</b>	60.3%	39.7%	1,112	64.4%	35.6%	340
	<b>26 - 64</b>	68.9%	31.1%	4,999	64.4%	35.6%	553
	<b>65+</b>	82.1%	17.9%	777	88.0%	12.0%	133
<b>RACE</b>	<b>CAUCASIAN</b>	69.7%	30.3%	6,168	69.5%	30.5%	1,022
	<b>AFRICAN AMERICAN</b>	60.9%	39.1%	496	67.0%	33.0%	106
	<b>OTHER</b>	65.1%	34.9%	129	53.6%	46.4%	28



## CLERMONT COUNTY

Seat belt use in Clermont County, a 2010 Safe Communities grantee, decreased from 81% during the baseline survey to 78% during the June 2010 survey. Seat belt use then increased to 79% during the September 2010 survey. Nevertheless, the county's seat belt use remains below the goal of 85%. Due to sample variation, the survey protocol should be reviewed, modified if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN CLERMONT COUNTY

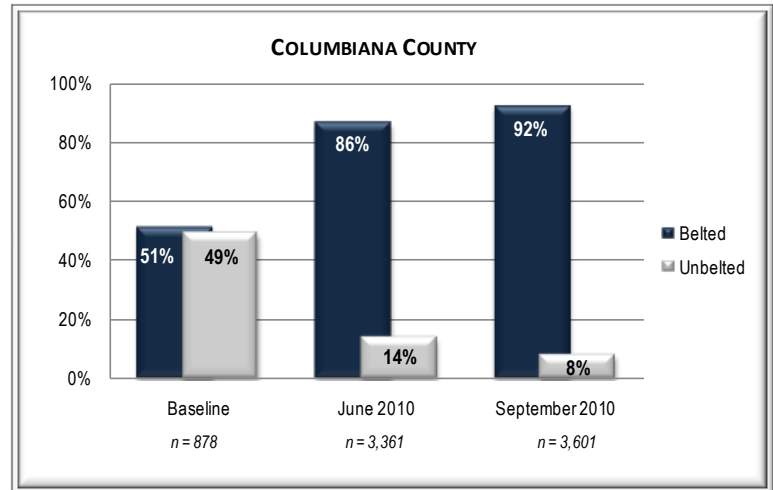
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	2,551	3,068
<b>JUNE 2010</b>	19	2,754	3,262
<b>SEPTEMBER 2010</b>	19	3,143	3,621

### 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>		79.4%	20.6%	8,448	78.2%	21.8%	1,503
<b>SURVEY</b>	<b>BASILINE</b>	81.4%	18.6%	2,551	76.4%	23.6%	517
	<b>JUNE 2010</b>	78.3%	21.7%	2,754	77.8%	22.2%	508
	<b>SEPTEMBER 2010</b>	78.8%	21.2%	3,143	80.5%	19.5%	478
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	81.7%	18.3%	4,200	79.7%	20.3%	763
	<b>VAN/MINIVAN</b>	81.6%	18.4%	1,042	84.8%	15.2%	223
	<b>SUV</b>	83.2%	16.8%	1,455	81.3%	18.8%	256
	<b>PICKUP TRUCK</b>	69.6%	30.4%	1,740	64.7%	35.3%	258
<b>SEX</b>	<b>MALE</b>	75.7%	24.3%	4,847	71.4%	28.6%	559
	<b>FEMALE</b>	84.4%	15.6%	3,563	82.2%	17.8%	930
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	10
	<b>5 - 14</b>	-	-	-	88.4%	11.6%	146
	<b>15 - 25</b>	72.7%	27.3%	1,703	68.7%	31.3%	441
	<b>26 - 64</b>	80.3%	19.7%	5,603	77.9%	22.1%	674
	<b>65+</b>	85.6%	14.4%	1,035	90.3%	9.7%	207
<b>RACE</b>	<b>CAUCASIAN</b>	79.5%	20.5%	8,190	78.3%	21.7%	1,446
	<b>AFRICAN AMERICAN</b>	77.9%	22.1%	113	85.0%	15.0%	20
	<b>OTHER</b>	75.0%	25.0%	40	60.0%	40.0%	10

## COLUMBIANA COUNTY

Baseline seat belt use in Columbiana County, a 2010 Safe Communities grantee, was just 51% for front seat occupants. However, seat belt use increased significantly during 2010 (i.e., to 86% during June 2010 and to 92% during September 2010). It is important to note that the number of observation sites and survey sample sizes during 2010 were significantly larger than at baseline. While county seat belt use was above 85% during 2010, the survey protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN COLUMBIANA COUNTY

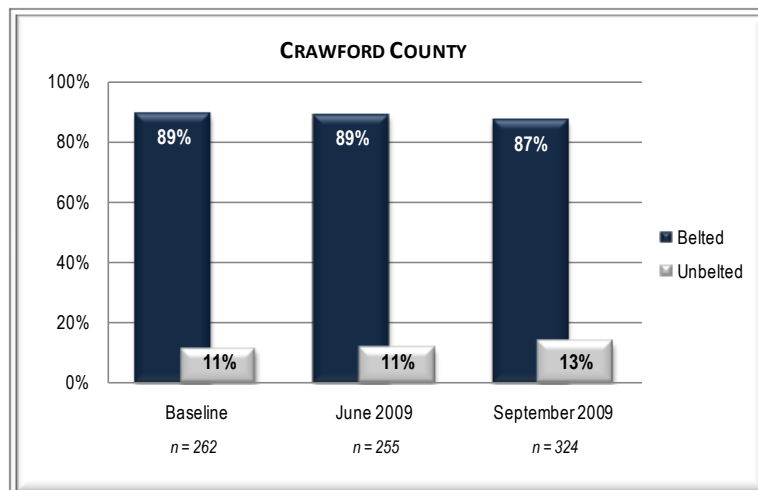
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	10	718	878
<b>JUNE 2010</b>	18	2,654	3,361
<b>SEPTEMBER 2010</b>	17	3,017	3,601

### 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>		84.3%	15.7%	6,389	88.4%	11.6%	1,451
<b>SURVEY</b>	<b>BASILINE</b>	50.7%	49.3%	718	53.1%	46.9%	160
	<b>JUNE 2010</b>	84.8%	15.2%	2,654	91.9%	8.1%	707
	<b>SEPTEMBER 2010</b>	91.7%	8.3%	3,017	93.7%	6.3%	584
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	84.7%	15.3%	3,303	88.6%	11.4%	745
	<b>VAN/MINIVAN</b>	86.5%	13.5%	617	90.9%	9.1%	143
	<b>SUV</b>	87.9%	12.1%	1,101	93.0%	7.0%	271
	<b>PICKUP TRUCK</b>	79.1%	20.9%	1,362	82.1%	17.9%	291
<b>SEX</b>	<b>MALE</b>	80.2%	19.8%	3,104	74.9%	25.1%	411
	<b>FEMALE</b>	88.1%	11.9%	3,274	93.6%	6.4%	1,038
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	10
	<b>5 - 14</b>	-	-	-	86.0%	14.0%	50
	<b>15 - 25</b>	69.0%	31.0%	1,197	69.2%	30.8%	266
	<b>26 - 64</b>	88.4%	11.6%	4,569	93.2%	6.8%	1,029
	<b>65+</b>	82.7%	17.3%	602	88.8%	11.2%	89
<b>RACE</b>	<b>CAUCASIAN</b>	84.2%	15.8%	6,231	88.7%	11.3%	1,412
	<b>AFRICAN AMERICAN</b>	84.5%	15.5%	103	66.7%	33.3%	27
	<b>OTHER</b>	75.0%	25.0%	4	-	-	-

## CRAWFORD COUNTY

Seat belt use in Crawford County remained 89% during the baseline and the June 2010 surveys. While a slight decline occurred between the June and September 2010 surveys, seat belt use remained above the 85% target. It should be noted that findings for Crawford County are based on a relatively small number of observation sites and surveys. Therefore, the survey protocol should be examined, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN CRAWFORD COUNTY

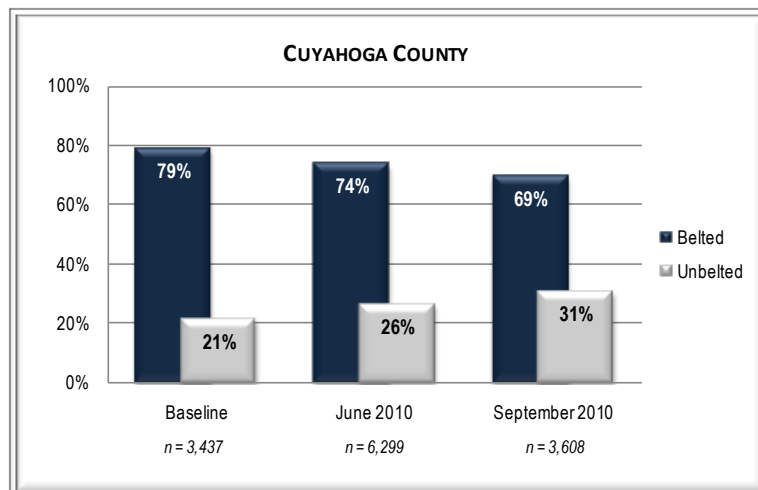
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	4	197	262
<b>JUNE 2010</b>	3	180	255
<b>SEPTEMBER 2010</b>	4	238	324

### 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>		88.3%	11.7%	615	87.2%	12.8%	226
<b>SURVEY</b>	<b>BASELINE</b>	89.8%	10.2%	197	86.2%	13.8%	65
	<b>JUNE 2010</b>	88.9%	11.1%	180	88.0%	12.0%	75
	<b>SEPTEMBER 2010</b>	86.6%	13.4%	238	87.2%	12.8%	86
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	90.5%	9.5%	296	84.9%	15.1%	106
	<b>VAN/MINIVAN</b>	89.7%	10.3%	68	87.9%	12.1%	33
	<b>SUV</b>	94.0%	6.0%	133	94.4%	5.6%	54
	<b>PICKUP TRUCK</b>	75.7%	24.3%	115	81.8%	18.2%	33
<b>SEX</b>	<b>MALE</b>	84.7%	15.3%	365	75.4%	24.6%	61
	<b>FEMALE</b>	93.6%	6.4%	249	91.5%	8.5%	164
<b>AGE</b>	<b>0 – 4</b>	-	-	-			
	<b>5 – 14</b>	-	-	-	93.3%	6.7%	30
	<b>15 – 25</b>	83.7%	16.3%	92	81.4%	18.6%	59
	<b>26 – 64</b>	89.3%	10.7%	441	87.0%	13.0%	115
	<b>65+</b>	87.5%	12.5%	80	95.5%	4.5%	22
<b>RACE</b>	<b>CAUCASIAN</b>	88.1%	11.9%	604	86.9%	13.1%	222
	<b>AFRICAN AMERICAN</b>	100.0%	-	6	100.0%		1
	<b>OTHER</b>	100.0%	-	4	100.0%		2

## CUYAHOGA COUNTY

The seat belt usage rate in Cuyahoga County, a 2010 Safe Communities grantee, was 79% during the baseline survey but declined to 69% during September 2010. It should be noted that the relatively large number of observations (i.e., vehicles and occupants) during June 2010 was due to a methodological error; this issue was corrected during the September survey. Nevertheless, Cuyahoga County seat belt use continued to decline and remained well below the 85% goal. Surveys results are likely due to variation in the survey protocol, which should be reviewed and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN CUYAHOGA COUNTY

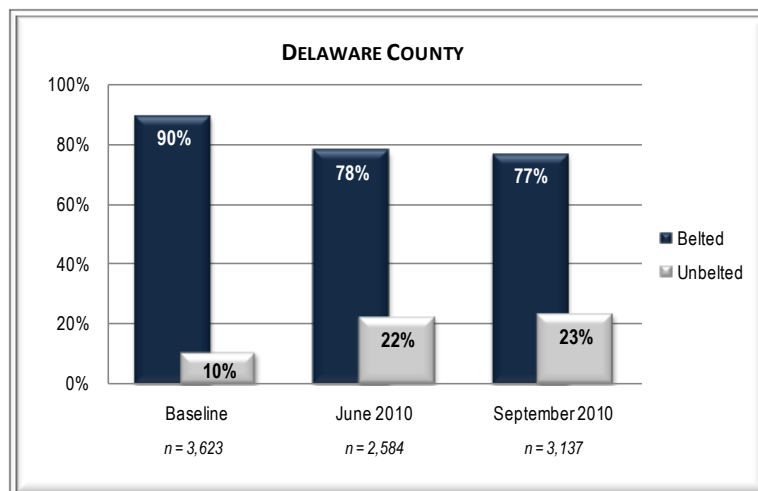
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	19	3,145	3,437
<b>JUNE 2010</b>	19	5,804	6,299
<b>SEPTEMBER 2010</b>	19	3,309	3,608

### 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>		73.8%	26.2%	12,258	72.7%	27.3%	1,086
<b>SURVEY</b>	<b>BASELINE</b>	78.4%	21.6%	3,145	81.5%	18.5%	292
	<b>JUNE 2010</b>	73.7%	26.3%	5,804	71.5%	28.5%	495
	<b>SEPTEMBER 2010</b>	69.7%	30.3%	3,309	65.9%	34.1%	299
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	73.5%	26.5%	7,126	71.9%	28.1%	622
	<b>VAN/MINIVAN</b>	78.8%	21.2%	1,141	76.6%	23.4%	141
	<b>SUV</b>	77.8%	22.2%	2,567	79.2%	20.8%	226
	<b>PICKUP TRUCK</b>	61.3%	38.7%	1,055	54.7%	45.3%	86
<b>SEX</b>	<b>MALE</b>	68.7%	31.3%	6,469	64.5%	35.5%	386
	<b>FEMALE</b>	80.1%	19.9%	5,410	77.4%	22.6%	686
<b>AGE</b>	<b>0 - 4</b>	-	-	-	50.0%	50.0%	2
	<b>5 - 14</b>	-	-	-	81.2%	18.8%	69
	<b>15 - 25</b>	69.5%	30.5%	531	69.5%	30.5%	164
	<b>26 - 64</b>	73.1%	26.9%	9,807	69.2%	30.8%	646
	<b>65+</b>	81.1%	18.9%	978	82.7%	17.3%	127
<b>RACE</b>	<b>CAUCASIAN</b>	76.1%	23.9%	8,907	76.4%	23.6%	726
	<b>AFRICAN AMERICAN</b>	62.0%	38.0%	2,184	57.4%	42.6%	249
	<b>OTHER</b>	82.3%	17.7%	231	73.3%	26.7%	30

## DELAWARE COUNTY

Seat belt use in Delaware County, a 2010 Safe Communities grantee, decreased from 90% during the baseline survey to 78% during June 2010 and to 77% during September 2010. Consequently, Delaware County seat belt use remained below Ohio's target seat belt use rate of 85% throughout the 2010 surveys. Fluctuation in seat belt use was probably due to the variation in observation sites and sample sizes (i.e., vehicles and occupants). Given these confounding influences, the survey protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN DELAWARE COUNTY

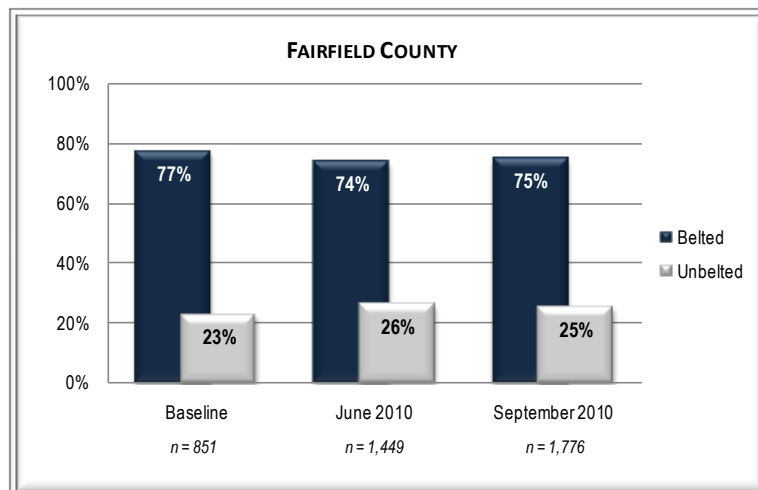
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	3,156	3,623
<b>JUNE 2010</b>	18	2,081	2,584
<b>SEPTEMBER 2010</b>	16	2,647	3,137

### 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>		82.1%	17.9%	7,884	82.4%	17.6%	1,460
<b>SURVEY</b>	<b>BASILINE</b>	89.1%	10.9%	3,156	92.9%	7.1%	467
	<b>JUNE 2010</b>	78.0%	22.0%	2,081	77.7%	22.3%	503
	<b>SEPTEMBER 2010</b>	76.8%	23.2%	2,647	77.1%	22.9%	490
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	83.2%	16.8%	3,881	83.9%	16.1%	666
	<b>VAN/MINIVAN</b>	85.5%	14.5%	1,038	84.7%	15.3%	261
	<b>SUV</b>	94.9%	15.1%	1,781	84.0%	16.0%	324
	<b>PICKUP TRUCK</b>	70.8%	29.2%	1,172	72.7%	27.3%	205
<b>SEX</b>	<b>MALE</b>	78.6%	21.4%	4,241	75.1%	24.9%	526
	<b>FEMALE</b>	86.1%	13.9%	3,631	86.6%	13.4%	925
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	6
	<b>5 - 14</b>	-	-	-	88.2%	11.8%	153
	<b>15 - 25</b>	78.8%	21.2%	1,098	75.5%	24.5%	319
	<b>26 - 64</b>	82.2%	17.8%	5,614	82.4%	17.6%	665
	<b>65+</b>	84.5%	15.5%	1,097	88.0%	12.0%	283
<b>RACE</b>	<b>CAUCASIAN</b>	82.3%	17.7%	7,357	82.9%	17.1%	1,333
	<b>AFRICAN AMERICAN</b>	74.3%	25.7%	237	72.5%	27.5%	40
	<b>OTHER</b>	81.3%	18.8%	176	80.9%	19.1%	47

## FAIRFIELD COUNTY

Seat belt use in Fairfield County, a 2010 Safe Communities grantee, remained relatively consistent throughout the surveys. For instance, the baseline rate of 77% declined to 74% during the June 2010 survey and then increased slightly to 75% during September 2010, remaining well below 85%. Observation site and sample size variation between 2009 and 2010 are probable confounding factors. Therefore, the Fairfield County survey protocol should be reviewed, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN FAIRFIELD COUNTY

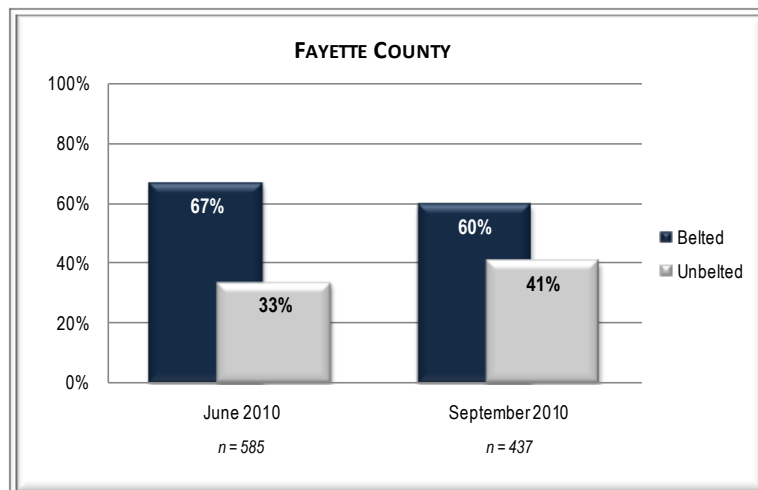
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	16	657	851
<b>JUNE 2010</b>	16	1,237	1,449
<b>SEPTEMBER 2010</b>	19	1,558	1,776

### 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
OVERALL RESULTS FOR FAIRFIELD COUNTY		74.6%	25.4%	3,452	77.7%	22.3%	624
SURVEY	BASELINE	75.3%	24.7%	657	84.5%	15.5%	194
	JUNE 2010	74.0%	26.0%	1,237	73.1%	26.9%	212
	SEPTEMBER 2010	74.7%	25.3%	1,558	76.1%	23.9%	218
VEHICLE TYPE	PASSENGER CAR	75.5%	24.5%	1,623	81.9%	18.1%	260
	VAN/MINIVAN	80.4%	19.6%	484	78.0%	22.0%	109
	SUV	78.2%	21.8%	735	82.0%	18.0%	139
	PICKUP TRUCK	63.5%	36.5%	586	63.9%	36.1%	108
SEX	MALE	70.7%	29.3%	1,926	74.7%	25.3%	221
	FEMALE	79.5%	20.5%	1,507	79.7%	20.3%	399
AGE	0 – 4	-	-	-	88.9%	11.1%	9
	5 – 14	-	-	-	76.0%	24.0%	50
	15 – 25	71.1%	28.9%	461	75.2%	24.8%	161
	26 – 64	75.5%	24.5%	2,662	77.0%	23.0%	318
	65+	73.4%	26.6%	286	89.3%	10.7%	75
RACE	CAUCASIAN	75.0%	25.0%	3,220	77.7%	22.3%	582
	AFRICAN AMERICAN	70.6%	29.4%	136	72.7%	27.3%	22
	OTHER	61.9%	38.1%	21	100.0%		4

## FAYETTE COUNTY

Baseline data were unavailable for Fayette County; however, seat belt use by front seat occupants decreased from 67% during June 2010 to 60% during September 2010. Furthermore, Fayette County seat belt use remained significantly below the seat belt use goal of 85%. It is recommended that Fayette County's survey protocol be reviewed, modified, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN FAYETTE COUNTY

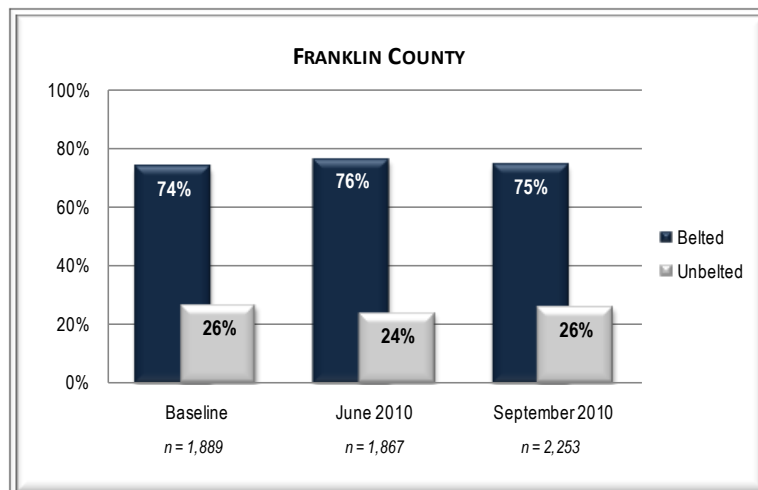
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	-	-	-
<b>JUNE 2010</b>	4	413	585
<b>SEPTEMBER 2010</b>	4	312	437

### CROSS-TABULATION OF FAYETTE 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
OVERALL RESULTS FOR FAYETTE COUNTY		63.2%	36.8%	725	64.6%	35.4%	297
SURVEY	BASELINE	-	-	-	-	-	-
	JUNE 2010	66.8%	33.2%	413	66.3%	33.7%	172
	SEPTEMBER 2010	58.3%	41.7%	312	62.4%	37.6%	125
VEHICLE TYPE	PASSENGER CAR	63.4%	36.6%	287	66.4%	33.6%	107
	VAN/MINIVAN	71.1%	28.9%	83	70.2%	29.8%	47
	SUV	76.9%	23.1%	143	65.3%	34.7%	75
	PICKUP TRUCK	50.5%	49.5%	210	57.4%	42.6%	68
SEX	MALE	59.6%	40.4%	455	54.4%	45.6%	125
	FEMALE	69.3%	30.7%	267	72.1%	27.9%	172
AGE	0 - 4	-	-	-		100.0%	1
	5 - 14	-	-	-	75.8%	24.2%	33
	15 - 25	45.1%	54.9%	102	52.9%	47.1%	70
	26 - 64	67.1%	32.9%	519	67.7%	32.3%	155
	65+	62.4%	37.6%	101	65.8%	34.2%	38
RACE	CAUCASIAN	63.2%	36.8%	688	64.9%	35.1%	282
	AFRICAN AMERICAN	50.0%	50.0%	16	60.0%	40.0%	5
	OTHER	78.6%	21.4%	14	55.6%	44.4%	9

## FRANKLIN COUNTY

Seat belt use in Franklin County, a 2010 Safe Communities grantee, increased from the baseline rate of 74% to 76% during June 2010, and then decreased to 75% during September 2010. Therefore, Franklin County seat belt use remained well below the seat belt use goal of 85%. Also, because of possible confounding influences of variation in observation sites and sample sizes, the Franklin County survey protocol should be reviewed, adjusted if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN FRANKLIN COUNTY

	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	21	1,601	1,889
<b>JUNE 2010</b>	20	1,557	1,867
<b>SEPTEMBER 2010</b>	21	1,955	2,253

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

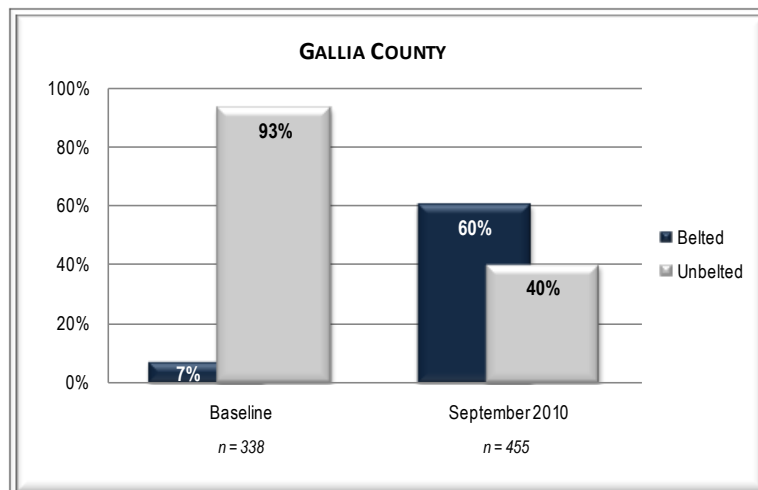
		DRIVER			PASSENGER		
		BELTED	UNBELTED	TOTAL	BELTED	UNBELTED	TOTAL
OVERALL RESULTS FOR FRANKLIN COUNTY		75.9%	24.1%	5,113	68.9%	31.1%	896
SURVEY	BASELINE	75.7%	24.3%	1,601	62.5%	37.5%	288
	JUNE 2010	77.6%	22.4%	1,557	70.3%	29.7%	310
	SEPTEMBER 2010	74.7%	25.3%	1,955	73.5%	26.5%	298
VEHICLE TYPE	PASSENGER CAR	76.0%	24.0%	2,819	66.1%	33.9%	466
	VAN/MINIVAN	81.7%	18.3%	546	74.1%	25.9%	139
	SUV	78.1%	21.9%	1,048	78.8%	21.2%	184
	PICKUP TRUCK	67.2%	32.8%	676	56.7%	43.3%	104
SEX	MALE	70.7%	29.3%	2,910	63.6%	36.4%	379
	FEMALE	82.9%	17.1%	2,184	72.6%	27.4%	515
AGE	0 - 4	-	-	-	100.0%	-	4
	5 - 14	-	-	-	81.4%	18.6%	70
	15 - 25	65.1%	34.9%	902	67.1%	32.9%	325
	26 - 64	78.4%	21.6%	3,771	65.9%	34.1%	413
	65+	76.8%	23.2%	401	80.0%	20.0%	75
RACE	CAUCASIAN	77.0%	23.0%	4,030	69.7%	30.3%	699
	AFRICAN AMERICAN	69.3%	30.7%	703	60.2%	39.8%	128
	OTHER	74.2%	25.8%	279	76.9%	23.1%	65



## GALLIA COUNTY

Baseline data for Gallia County were from 2007 since surveys were not conducted in 2008 or 2009.

Additionally, only September surveys were conducted during 2010. Results show a significant increase in seat belt use from the baseline rate of just 7% to 60% during the September survey. Nevertheless, the final usage rate is significantly below the seat belt use goal of 85%. Due to confounding protocol issues and the small number of observations, Gallia County results should be viewed with caution. Consequently, the county protocol should be reviewed, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN GALLIA COUNTY

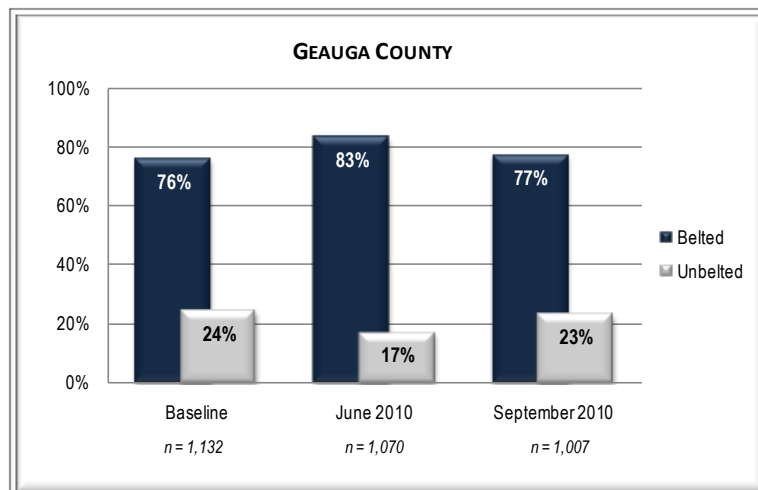
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	4	266	338
<b>JUNE 2010</b>	-	-	-
<b>SEPTEMBER 2010</b>	4	385	455

### CROSS-TABULATION OF GALLIA 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 GALLIA COUNTY</b>		37.0%	6.0%	651	40.8%	59.2%	142
<b>SURVEY</b>	<b>BASILINE</b>	4.5%	95.5%	266	18.1%	81.9%	72
	<b>JUNE 2010</b>	-	-	-	-	-	-
	<b>SEPTEMBER 2010</b>	59.5%	40.5%	385	64.3%	35.7%	70
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	40.9%	59.1%	296	43.5%	56.5%	62
	<b>VAN/MINIVAN</b>	47.2%	52.8%	53	54.5%	45.5%	22
	<b>SUV</b>	33.3%	66.7%	114	40.0%	60.0%	20
	<b>PICKUP TRUCK</b>	30.3%	69.7%	188	28.9%	71.1%	38
<b>SEX</b>	<b>MALE</b>	38.4%	61.6%	385	43.1%	56.9%	51
	<b>FEMALE</b>	34.5%	65.5%	264	39.6%	60.4%	91
<b>AGE</b>	<b>0 - 4</b>	-	-	-	66.7%	33.3%	3
	<b>5 - 14</b>	-	-	-	36.4%	63.6%	11
	<b>15 - 25</b>	17.1%	82.9%	41	42.1%	57.9%	19
	<b>26 - 64</b>	40.5%	59.5%	573	43.6%	56.4%	94
	<b>65+</b>	-	100.0%	33	20.0%	80.0%	15
<b>RACE</b>	<b>CAUCASIAN</b>	37.2%	62.8%	637	40.8%	59.2%	142
	<b>AFRICAN AMERICAN</b>	33.3%	66.7%	6	-	-	-
	<b>OTHER</b>	-	-	-	-	-	-

## GEAUGA COUNTY

Observed seat belt use in Geauga County increased from 76% to 83% between the baseline and June 2010 surveys. However, survey results depict a significant decrease in seat belt use between June 2010 and September 2010; the latter usage rate of 77% is well below the 85% goal. Protocol variation may be partly responsible for the observed seat belt use results and should be reviewed, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN GEAUGA COUNTY

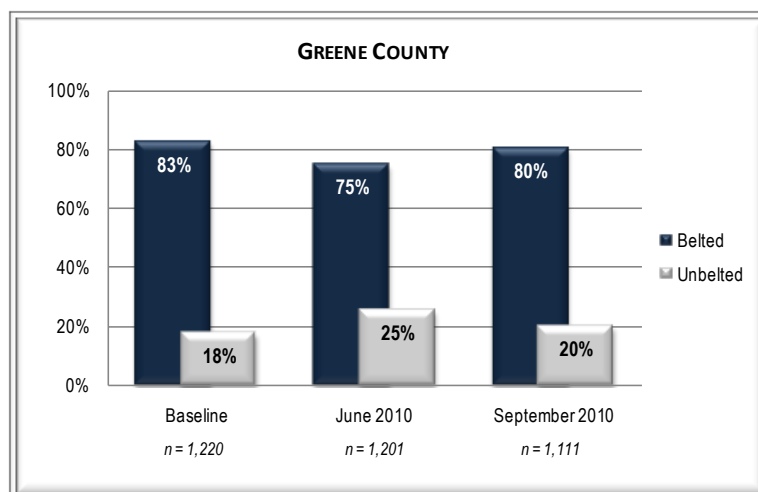
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	4	1,009	1,132
<b>JUNE 2010</b>	4	948	1,070
<b>SEPTEMBER 2010</b>	4	927	1,007

### CROSS-TABULATION OF GEAUGA 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
OVERALL RESULTS FOR GEAUGA COUNTY		78.8%	21.2%	2,884	77.5%	22.5%	325
SURVEY	BASELINE	76.4%	23.6%	1,009	70.7%	29.3%	123
	JUNE 2010	83.0%	17.0%	948	84.4%	15.6%	122
	SEPTEMBER 2010	77.0%	23.0%	927	77.5%	22.5%	80
VEHICLE TYPE	PASSENGER CAR	81.4%	18.6%	1,275	77.1%	22.9%	131
	VAN/MINIVAN	81.9%	18.1%	360	78.1%	21.9%	64
	SUV	83.6%	16.4%	511	88.3%	11.7%	60
	PICKUP TRUCK	69.3%	30.7%	735	68.1%	31.9%	69
SEX	MALE	74.4%	25.6%	1,892	65.5%	34.5%	139
	FEMALE	87.1%	12.9%	987	86.6%	13.4%	186
AGE	0 – 4	-	-	-	-	-	-
	5 – 14	-	-	-	100.0%	-	18
	15 – 25	72.3%	27.7%	296	61.4%	38.6%	57
	26 – 64	78.2%	21.8%	2,265	73.7%	26.3%	186
	65+	88.3%	11.7%	31	96.9%	3.1%	64
RACE	CAUCASIAN	78.8%	21.2%	2,846	77.8%	22.2%	315
	AFRICAN AMERICAN	77.8%	22.2%	27	60.0%	40.0%	5
	OTHER	50.0%	50.0%	2	50.0%	50.0%	2

## GREENE COUNTY

Seat belt use in Greene County, a 2010 Safe Communities grantee, decreased from a baseline of 83% to 75% during June 2010, and then increased to 80% during September 2010. While survey results suggest the 85% usage rate goal is attainable in the county, the survey protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN GREENE COUNTY

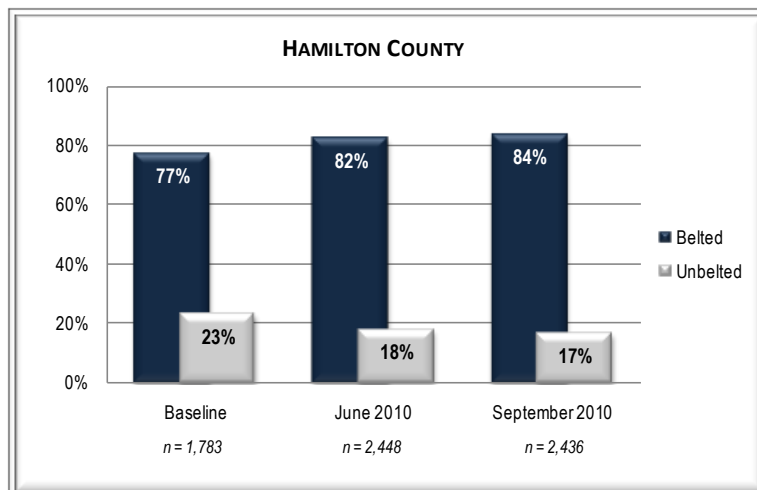
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	1,047	1,220
<b>JUNE 2010</b>	19	984	1,201
<b>SEPTEMBER 2010</b>	19	976	1,111

### 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>		78.8%	21.2%	2,923	81.0%	19.0%	503
<b>SURVEY</b>	<b>BASILINE</b>	82.5%	17.5%	1,047	82.1%	17.9%	173
	<b>JUNE 2010</b>	73.9%	26.1%	984	78.8%	21.2%	217
	<b>SEPTEMBER 2010</b>	79.8%	20.2%	976	83.0%	17.0%	135
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	79.4%	20.6%	1,525	79.3%	20.7%	246
	<b>VAN/MINIVAN</b>	87.1%	12.9%	342	86.4%	13.6%	88
	<b>SUV</b>	83.2%	16.8%	600	88.0%	12.0%	100
	<b>PICKUP TRUCK</b>	66.5%	33.5%	525	72.7%	27.3%	88
<b>SEX</b>	<b>MALE</b>	74.3%	25.7%	1,735	73.0%	27.0%	189
	<b>FEMALE</b>	85.0%	15.0%	1,272	85.4%	14.6%	335
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%		1
	<b>5 - 14</b>	-	-	-	70.6%	29.4%	17
	<b>15 - 25</b>	70.8%	29.2%	305	78.4%	21.6%	88
	<b>26 - 64</b>	79.5%	20.5%	2,363	81.5%	18.5%	340
	<b>65+</b>	81.1%	18.9%	339	83.3%	16.7%	78
<b>RACE</b>	<b>CAUCASIAN</b>	80.6%	19.4%	2,620	83.3%	16.7%	443
	<b>AFRICAN AMERICAN</b>	65.5%	34.5%	354	64.4%	35.6%	73
	<b>OTHER</b>	84.6%	15.4%	26	100.0%		5

## HAMILTON COUNTY

Hamilton County was a 2010 Safe Communities grantee. During the baseline survey, seat belt use by front seat occupants was 77%. Seat belt use then increased to 82% during June 2010 and 84% during September 2010, slightly below the goal of 85%. Consequently, survey results illustrate that 85% seat belt use is an attainable goal in Hamilton County. Nevertheless, the county's survey protocol should be examined and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN HAMILTON COUNTY

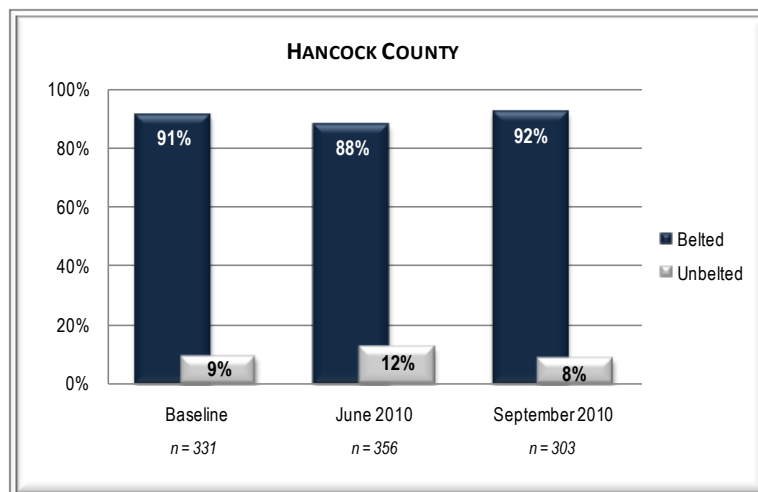
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	19	1,497	1,783
<b>JUNE 2010</b>	19	2,012	2,448
<b>SEPTEMBER 2010</b>	19	2,100	2,436

### 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
OVERALL RESULTS FOR HAMILTON COUNTY		82.0%	18.0%	5,609	77.7%	22.3%	1,058
SURVEY	BASELINE	78.1%	21.9%	1,497	71.3%	28.7%	286
	JUNE 2010	82.8%	17.2%	2,012	80.3%	19.7%	436
	SEPTEMBER 2010	84.0%	16.0%	2,100	79.8%	20.2%	336
VEHICLE TYPE	PASSENGER CAR	82.8%	17.2%	3,284	79.8%	20.2%	605
	VAN/MINIVAN	81.4%	18.6%	581	81.2%	18.8%	133
	SUV	83.3%	16.7%	1,303	76.1%	23.9%	234
	PICKUP TRUCK	72.8%	27.2%	430	61.6%	38.4%	86
SEX	MALE	79.1%	20.9%	3,178	72.2%	27.8%	478
	FEMALE	85.8%	14.2%	2,408	82.3%	17.7%	577
AGE	0 – 4	-	-	-	100.0%		3
	5 – 14	-	-	-	93.1%	6.9%	102
	15 – 25	76.0%	24.0%	1,038	70.7%	29.3%	324
	26 – 64	82.7%	17.3%	4,068	76.1%	23.9%	473
	65+	88.9%	11.1%	488	87.9%	12.1%	149
RACE	CAUCASIAN	84.7%	15.3%	4,105	84.4%	15.6%	713
	AFRICAN AMERICAN	73.5%	26.5%	1,268	60.1%	39.9%	288
	OTHER	82.0%	18.0%	217	84.9%	15.1%	53

## HANCOCK COUNTY

Hancock County seat belt use by front seat occupants fluctuated during the three surveys. Between the baseline (91%) and June 2010 survey, seat belt use decreased to 88%, and then increased to 92% during September 2010. Hancock County consistently remained above the targeted seat belt use goal of 85%. However, due to the relatively small number of observation sites and surveys, results should be interpreted with caution. In addition, the survey protocol should be reviewed, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN HANCOCK COUNTY

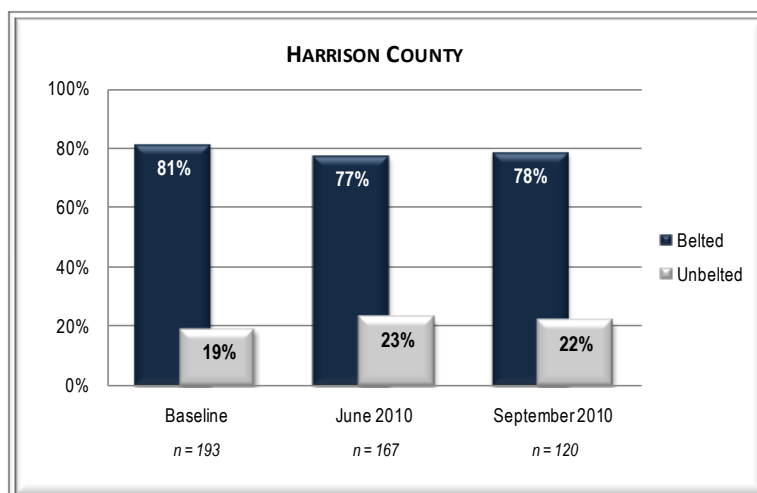
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	4	281	331
<b>JUNE 2010</b>	3	271	356
<b>SEPTEMBER 2010</b>	3	243	303

### 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>		89.8%	10.2%	795	90.8%	9.2%	195
<b>SURVEY</b>	<b>BASELINE</b>	90.7%	9.3%	281	92.0%	8.0%	50
	<b>JUNE 2010</b>	87.5%	12.5%	271	88.2%	11.8%	85
	<b>SEPTEMBER 2010</b>	91.4%	8.6%	243	93.3%	6.7%	60
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	90.7%	9.3%	389	90.3%	9.7%	103
	<b>VAN/MINIVAN</b>	92.1%	7.9%	101	92.0%	8.0%	25
	<b>SUV</b>	90.7%	9.3%	151	97.4%	2.6%	38
	<b>PICKUP TRUCK</b>	85.6%	14.4%	153	82.8%	17.2%	29
<b>SEX</b>	<b>MALE</b>	87.6%	12.4%	482	86.7%	13.3%	60
	<b>FEMALE</b>	93.3%	6.7%	313	92.5%	7.5%	134
<b>AGE</b>	<b>0 - 4</b>	-	-	-	-	-	-
	<b>5 - 14</b>	-	-	-	100.0%	-	9
	<b>15 - 25</b>	84.5%	15.5%	129	91.7%	8.3%	36
	<b>26 - 64</b>	91.7%	8.3%	507	88.6%	11.4%	88
	<b>65+</b>	88.1%	11.9%	159	91.9%	8.1%	62
<b>RACE</b>	<b>CAUCASIAN</b>	89.6%	10.4%	762	90.4%	9.6%	188
	<b>AFRICAN AMERICAN</b>	94.7%	5.3%	19	100.0%	-	4
	<b>OTHER</b>	88.9%	11.1%	9	100.0%	-	3

## HARRISON COUNTY

Survey data for Harrison County were unavailable for 2009; therefore, the benchmark front seat belt usage rate of 81% was taken from the June 2008 survey. Front seat occupant belt use decreased from the baseline rate to 77% during June of 2010 and then increased slightly to 78% during September of 2010, remaining well below the goal of 85% seat belt usage. Due to the small sample of observation sites and surveys, the survey protocol should be reviewed and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN HARRISON COUNTY

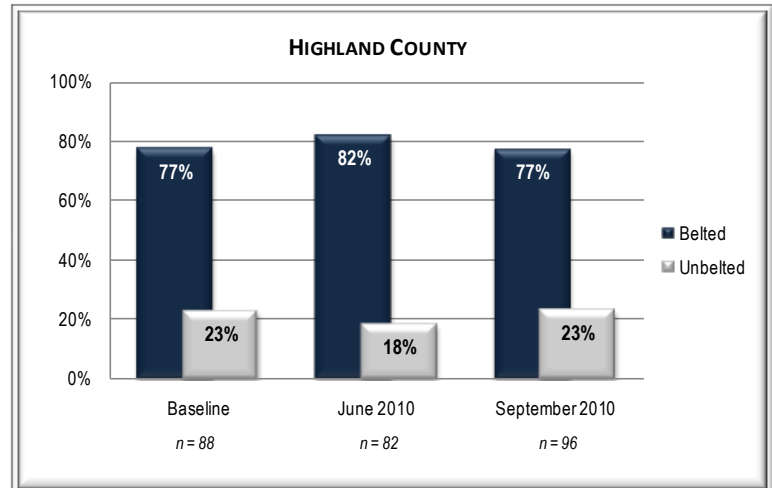
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	4	166	193
<b>JUNE 2010</b>	3	112	167
<b>SEPTEMBER 2010</b>	3	95	120

### 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>		78.3%	21.7%	373	82.2%	17.8%	107
<b>SURVEY</b>	<b>BASILINE</b>	81.9%	18.1%	166	77.8%	22.2%	27
	<b>JUNE 2010</b>	75.9%	24.1%	112	80.0%	20.0%	55
	<b>SEPTEMBER 2010</b>	74.7%	25.3%	95	92.0%	8.0%	25
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	78.9%	21.1%	190	79.3%	20.7%	58
	<b>VAN/MINIVAN</b>	79.5%	20.5%	39	92.9%	7.1%	14
	<b>SUV</b>	73.5%	26.5%	49	91.7%	8.3%	12
	<b>PICKUP TRUCK</b>	79.1%	20.9%	91	77.3%	22.7%	22
<b>SEX</b>	<b>MALE</b>	73.2%	26.8%	231	72.5%	27.5%	40
	<b>FEMALE</b>	87.1%	12.9%	140	87.9%	12.1%	66
<b>AGE</b>	<b>0 - 4</b>	-	-	-	-	-	-
	<b>5 - 14</b>	-	-	-	50.0%	50.0%	6
	<b>15 - 25</b>	77.9%	22.1%	86	80.6%	19.4%	36
	<b>26 - 64</b>	77.9%	22.1%	217	85.4%	14.6%	41
	<b>65+</b>	79.7%	20.3%	69	90.5%	9.5%	21
<b>RACE</b>	<b>CAUCASIAN</b>	78.3%	21.7%	336	82.4%	17.6%	102
	<b>AFRICAN AMERICAN</b>	81.3%	18.8%	32	80.0%	20.0%	5
	<b>OTHER</b>	-	-	-	-	-	-

## HIGHLAND COUNTY

The benchmark Highland County seat belt use rate of 77% increased to 82% during June of 2010, and then decreased to 77% during September of 2010. These rates are below the usage rate goal of 85%. It should be noted that seat belt use estimates for Highland County are based on a very small sample of observation sites and surveys. Therefore, the Highland County survey protocol should be reviewed, modified, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN HIGHLAND COUNTY

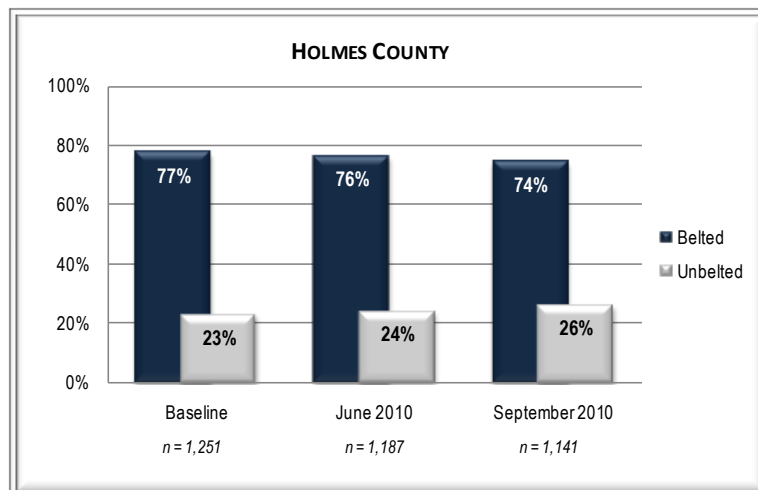
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	3	81	88
<b>JUNE 2010</b>	3	82	82
<b>SEPTEMBER 2010</b>	3	96	96

### 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>		78.8%	21.2%	259	71.4%	28.6%	7
<b>SURVEY</b>	<b>BASILINE</b>	77.8%	22.2%	81	71.4%	28.6%	7
	<b>JUNE 2010</b>	81.7%	18.3%	82	-	-	-
	<b>SEPTEMBER 2010</b>	77.1%	22.9%	96	-	-	-
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	86.0%	14.0%	107	75.0%	25.0%	4
	<b>VAN/MINIVAN</b>	95.7%	4.3%	23	-	-	-
	<b>SUV</b>	91.1%	8.9%	45	66.7%	33.3%	3
	<b>PICKUP TRUCK</b>	58.3%	41.7%	84	-	-	-
<b>SEX</b>	<b>MALE</b>	68.2%	31.8%	154	-	100.0%	1
	<b>FEMALE</b>	94.3%	5.7%	105	83.3%	16.7%	6
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	1
	<b>5 - 14</b>	-	-	-	-	-	-
	<b>15 - 25</b>	84.8%	15.2%	33	-	100.0%	1
	<b>26 - 64</b>	79.2%	20.8%	207	75.0%	25.0%	4
	<b>65+</b>	61.1%	38.9%	18	100.0%	-	1
<b>RACE</b>	<b>CAUCASIAN</b>	78.3%	21.7%	244	50.0%	50.0%	4
	<b>AFRICAN AMERICAN</b>	86.7%	13.3%	15	100.0%	-	3
	<b>OTHER</b>	-	-	-	-	-	-

## HOLMES COUNTY

Holmes County, a 2010 Safe Communities grantee, experienced a decrease in seat belt use from the benchmark of 77% to the June survey rate of 76% and the September rate of 74%. Consequently, Holmes County seat belt use remains well below the goal of 85% usage. Although survey results are relatively consistent, it is recommended the survey protocol be reviewed, adjusted if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN HOLMES COUNTY

	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	906	1,251
<b>JUNE 2010</b>	19	872	1,187
<b>SEPTEMBER 2010</b>	19	868	1,141

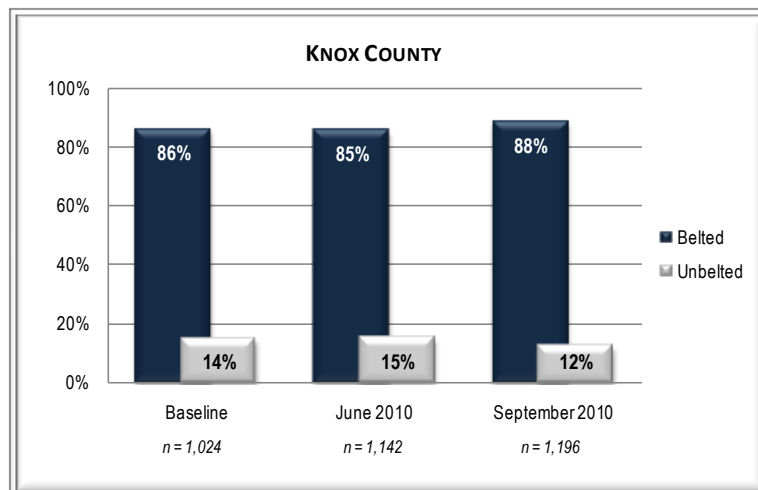
### CROSS-TABULATION OF HOLMES COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS

		DRIVER			PASSENGER		
		BELTED	UNBELTED	TOTAL	BELTED	UNBELTED	TOTAL
<b>OVERALL RESULTS FOR HOLMES COUNTY</b>		75.4%	24.6%	2,646	77.4%	22.6%	933
<b>SURVEY</b>	<b>BASILINE</b>	76.0%	24.0%	906	80.6%	19.4%	345
	<b>JUNE 2010</b>	76.5%	23.5%	872	75.2%	24.8%	315
	<b>SEPTEMBER 2010</b>	73.7%	26.3%	868	75.8%	24.2%	273
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	80.2%	19.8%	1,018	78.8%	21.2%	397
	<b>VAN/MINIVAN</b>	81.6%	18.4%	376	82.1%	17.9%	168
	<b>SUV</b>	81.8%	18.2%	543	83.3%	16.7%	174
	<b>PICKUP TRUCK</b>	60.5%	39.5%	706	65.3%	34.7%	193
<b>SEX</b>	<b>MALE</b>	71.3%	28.7%	1,548	66.9%	33.1%	308
	<b>FEMALE</b>	81.4%	18.6%	1,096	82.6%	17.4%	625
<b>AGE</b>	<b>0 – 4</b>	-	-	-	100.0%	-	1
	<b>5 – 14</b>	-	-	-	73.7%	26.3%	99
	<b>15 – 25</b>	71.1%	29.0%	290	70.3%	29.7%	111
	<b>26 – 64</b>	74.4%	25.6%	1,954	75.2%	24.8%	509
	<b>65+</b>	84.2%	15.8%	398	87.8%	12.2%	213
<b>RACE</b>	<b>CAUCASIAN</b>	75.4%	24.6%	2,615	77.4%	22.6%	911
	<b>AFRICAN AMERICAN</b>	50.0%	50.0%	8	71.4%	28.6%	7
	<b>OTHER</b>	85.7%	14.3%	7	75.0%	25.0%	8



## KNOX COUNTY

Seat belt use in Knox County, a 2010 Safe Communities grantee, remained very consistent between the baseline rate of 86% and the June 2010 rate of 85%. Observed seat belt use then increased to 88% during September 2010. Survey results show that seat belt use in Knox County was at or above the goal of 85% during all surveys. However, due to the variation in the sample of observation sites, it is recommended the survey protocol be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN KNOX COUNTY

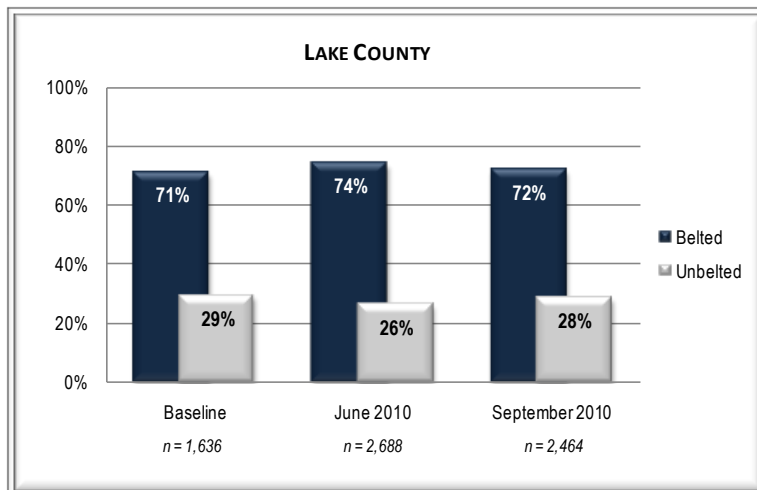
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	891	1,024
<b>JUNE 2010</b>	19	929	1,142
<b>SEPTEMBER 2010</b>	18	1,011	1,196

### 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>		85.6%	14.4%	2,831	90.8%	9.2%	531
<b>SURVEY</b>	<b>BASILINE</b>	85.0%	15.0%	891	90.2%	9.8%	133
	<b>JUNE 2010</b>	84.4%	15.6%	929	89.2%	10.8%	213
	<b>SEPTEMBER 2010</b>	87.1%	12.9%	1,011	93.0%	7.0%	185
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	87.7%	12.3%	1,219	92.4%	7.6%	224
	<b>VAN/MINIVAN</b>	87.7%	12.3%	333	93.4%	6.6%	106
	<b>SUV</b>	88.0%	12.0%	709	88.1%	11.9%	126
	<b>PICKUP TRUCK</b>	76.8%	23.2%	569	86.7%	13.3%	75
<b>SEX</b>	<b>MALE</b>	81.2%	18.8%	1,522	86.9%	13.1%	183
	<b>FEMALE</b>	90.6%	9.4%	1,307	92.8%	7.2%	346
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	3
	<b>5 - 14</b>	-	-	-	95.8%	4.2%	48
	<b>15 - 25</b>	87.6%	12.4%	411	88.9%	11.1%	126
	<b>26 - 64</b>	86.2%	13.8%	1,742	88.5%	11.5%	183
	<b>65+</b>	82.7%	17.3%	678	92.9%	7.1%	170
<b>RACE</b>	<b>CAUCASIAN</b>	85.6%	14.4%	2,789	91.1%	8.9%	519
	<b>AFRICAN AMERICAN</b>	85.2%	14.8%	27	75.0%	25.0%	4
	<b>OTHER</b>	90.0%	10.0%	10	100.0%	-	1

## LAKE COUNTY

Results for Lake County, a 2010 Safe Communities grantee, depict an increase in seat belt use from the baseline (71%) to the June 2010 survey (74%). However, seat belt use declined to 72% during the September 2010 survey. Consequently, seat belt use in Lake County is significantly below the goal of 85%. Even though the number of sites remained the same during the three surveys, the sample size during the baseline survey was much smaller relative to the 2010 surveys. Those results suggest the survey protocol should be reviewed, adjusted if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN LAKE COUNTY

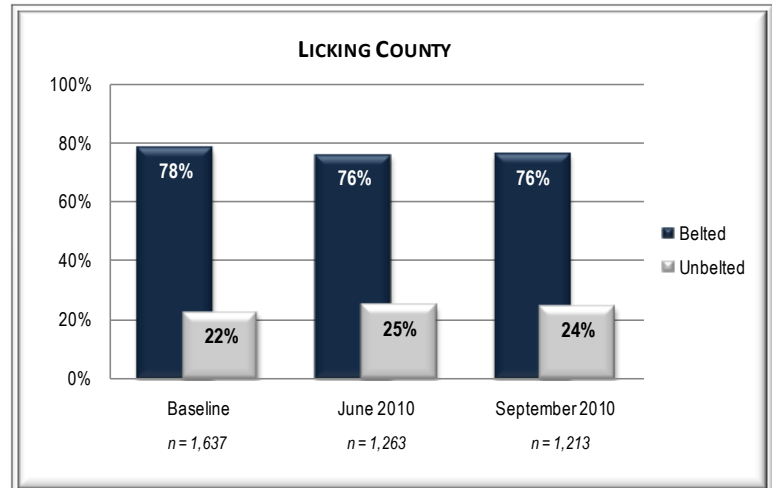
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	1,369	1,636
<b>JUNE 2010</b>	19	2,198	2,688
<b>SEPTEMBER 2010</b>	19	2,090	2,464

### 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>		72.4%	27.6%	5,657	72.9%	27.1%	1,131
<b>SURVEY</b>	<b>BASILINE</b>	71.7%	28.3%	1,369	67.0%	33.0%	267
	<b>JUNE 2010</b>	73.1%	26.9%	2,198	78.0%	22.0%	490
	<b>SEPTEMBER 2010</b>	72.0%	28.0%	2,090	70.6%	29.4%	374
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	72.5%	27.5%	3,073	70.9%	29.1%	647
	<b>VAN/MINIVAN</b>	76.7%	23.3%	695	82.9%	17.1%	158
	<b>SUV</b>	75.3%	24.7%	1,172	76.4%	23.6%	212
	<b>PICKUP TRUCK</b>	62.7%	37.3%	700	63.3%	36.7%	109
<b>SEX</b>	<b>MALE</b>	68.4%	31.6%	3,093	65.3%	34.7%	409
	<b>FEMALE</b>	77.1%	22.9%	2,553	77.3%	22.7%	715
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	1
	<b>5 - 14</b>	-	-	-	76.9%	23.1%	91
	<b>15 - 25</b>	66.0%	34.0%	718	65.7%	34.3%	341
	<b>26 - 64</b>	73.0%	27.0%	4,398	73.6%	26.4%	549
	<b>65+</b>	75.8%	24.2%	513	85.2%	14.8%	142
<b>RACE</b>	<b>CAUCASIAN</b>	72.8%	27.2%	5,064	73.8%	26.2%	964
	<b>AFRICAN AMERICAN</b>	64.6%	35.4%	339	64.8%	35.2%	88
	<b>OTHER</b>	74.4%	25.6%	78	83.3%	16.7%	24

## LICKING COUNTY

Results from Licking County, a 2010 Safe Communities grantee, indicate the seat belt usage rate for front seat occupants was 78% at baseline, and decreased to 76% for the June and September 2010 surveys. Therefore, Licking County seat belt use is below the target usage rate of 85%. However, the number of 2010 observations (i.e., vehicles and occupants) declined significantly relative to the baseline. Consequently, the Licking County survey protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN LICKING COUNTY

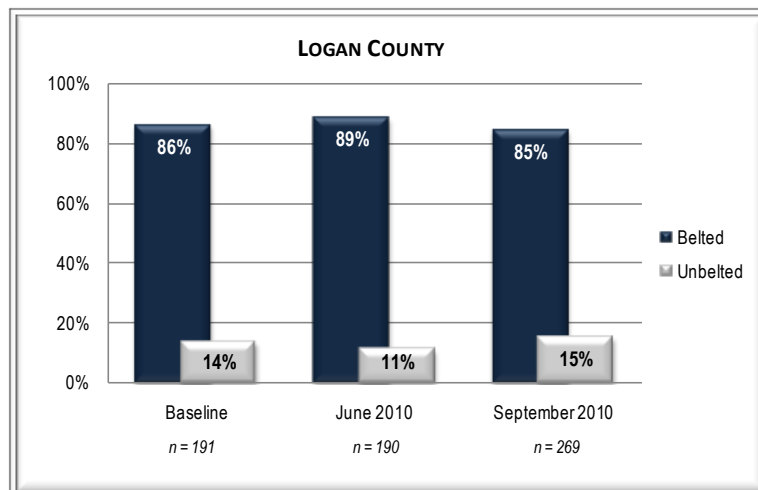
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	19	1,251	1,637
<b>JUNE 2010</b>	19	983	1,263
<b>SEPTEMBER 2010</b>	19	979	1,213

### 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>		76.9%	23.1%	3,213	75.4%	24.6%	900
<b>SURVEY</b>	<b>BASELINE</b>	78.5%	21.5%	1,251	76.2%	23.8%	386
	<b>JUNE 2010</b>	75.2%	24.8%	983	76.8%	23.2%	280
	<b>SEPTEMBER 2010</b>	76.5%	23.5%	979	72.6%	27.4%	234
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	77.2%	22.8%	1,566	75.5%	24.5%	432
	<b>VAN/MINIVAN</b>	82.3%	17.7%	334	85.5%	14.5%	131
	<b>SUV</b>	83.6%	16.4%	658	78.4%	21.6%	167
	<b>PICKUP TRUCK</b>	66.5%	33.5%	654	64.7%	35.3%	170
<b>SEX</b>	<b>MALE</b>	73.1%	26.9%	1,822	67.6%	32.4%	364
	<b>FEMALE</b>	81.8%	18.2%	1,390	80.7%	19.3%	535
<b>AGE</b>	<b>0 – 4</b>	-	-	-	100.0%	-	2
	<b>5 – 14</b>	-	-	-	83.3%	16.7%	90
	<b>15 – 25</b>	72.1%	27.9%	520	69.4%	30.6%	222
	<b>26 – 64</b>	76.8%	23.2%	2,296	73.3%	26.7%	457
	<b>65+</b>	83.2%	16.8%	393	87.6%	12.4%	129
<b>RACE</b>	<b>CAUCASIAN</b>	77.0%	23.0%	3,120	75.7%	24.3%	878
	<b>AFRICAN AMERICAN</b>	69.7%	30.3%	76	52.9%	47.1%	17
	<b>OTHER</b>	100.0%	-	13	100.0%	-	4

## LOGAN COUNTY

Surveys of front seat occupants in Logan County indicate that seat belt use increased from 86% during the baseline to 89% during the June 2010 survey, and then declined to 85% during September 2010. Consequently, Logan County achieved the 85% target rate during the three survey periods; however, it is important to note there were relatively few surveys completed during the baseline through September 2010. Thus, the Logan County survey protocol should be examined, revised if necessary, and standardized due to this sampling issue.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN LOGAN COUNTY

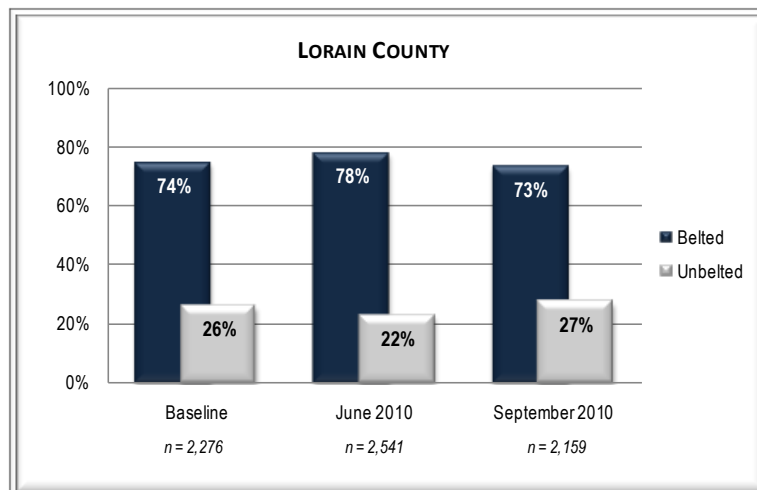
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	4	153	191
<b>JUNE 2010</b>	4	158	190
<b>SEPTEMBER 2010</b>	4	215	269

### 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>		85.9%	14.1%	526	88.7%	11.3%	124
<b>SURVEY</b>	<b>BASILINE</b>	86.3%	13.7%	153	86.8%	13.2%	38
	<b>JUNE 2010</b>	87.3%	12.7%	158	96.9%	3.1%	32
	<b>SEPTEMBER 2010</b>	84.7%	15.3%	215	85.2%	14.8%	54
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	86.6%	13.4%	232	86.0%	14.0%	50
	<b>VAN/MINIVAN</b>	88.1%	11.9%	59	87.5%	12.5%	24
	<b>SUV</b>	90.8%	9.2%	120	96.2%	3.8%	26
	<b>PICKUP TRUCK</b>	78.3%	21.7%	115	87.5%	12.5%	24
<b>SEX</b>	<b>MALE</b>	82.0%	18.0%	316	77.1%	22.9%	35
	<b>FEMALE</b>	92.3%	7.7%	208	93.3%	6.7%	89
<b>AGE</b>	<b>0 - 4</b>	-	-	-	-	-	-
	<b>5 - 14</b>	-	-	-	100.0%	-	4
	<b>15 - 25</b>	74.6%	25.4%	63	82.4%	17.6%	17
	<b>26 - 64</b>	87.4%	12.6%	413	86.1%	13.9%	79
	<b>65+</b>	87.8%	12.2%	49	100.0%	-	23
<b>RACE</b>	<b>CAUCASIAN</b>	85.6%	14.4%	515	88.1%	11.9%	118
	<b>AFRICAN AMERICAN</b>	100.0%	-	9	100.0%	-	5
	<b>OTHER</b>	100.0%	-	2	-	-	-

## LORAIN COUNTY

Seat belt use in Lorain County, a 2010 Safe Communities grantee, fluctuated between the baseline (74%), the June 2010 (78%), and the September 2010 (73%) surveys. Consequently, seat belt use remained below the usage goal of 85%. Results suggest the survey protocol should be reviewed, revised if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN LORAIN COUNTY

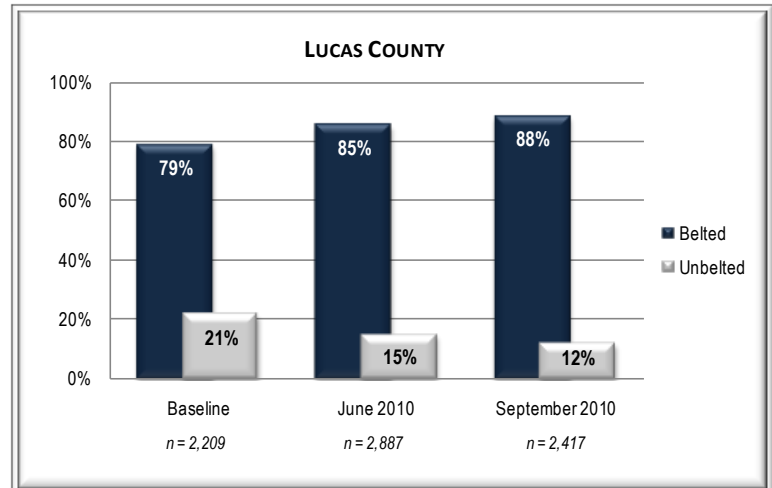
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	1,927	2,276
<b>JUNE 2010</b>	19	2,182	2,541
<b>SEPTEMBER 2010</b>	19	1,824	2,159

### 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>		75.3%	24.7%	5,933	73.8%	26.2%	1,043
<b>SURVEY</b>	<b>BASILINE</b>	74.9%	25.1%	1,927	71.1%	28.9%	349
	<b>JUNE 2010</b>	77.4%	22.6%	2,182	78.8%	21.2%	359
	<b>SEPTEMBER 2010</b>	73.1%	26.9%	1,824	71.3%	28.7%	335
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	75.5%	24.5%	3,082	75.3%	24.7%	527
	<b>VAN/MINIVAN</b>	78.5%	21.5%	671	76.3%	23.7%	152
	<b>SUV</b>	80.3%	19.7%	1,222	76.6%	23.4%	209
	<b>PICKUP TRUCK</b>	66.2%	33.8%	938	62.3%	37.7%	146
<b>SEX</b>	<b>MALE</b>	73.2%	26.8%	3,303	66.8%	33.2%	367
	<b>FEMALE</b>	77.8%	22.2%	2,618	77.3%	22.7%	666
<b>AGE</b>	<b>0 – 4</b>	-	-	-	93.1%	6.9%	29
	<b>5 – 14</b>	-	-	-	80.5%	19.5%	113
	<b>15 – 25</b>	66.2%	33.8%	928	65.7%	34.3%	286
	<b>26 – 64</b>	76.2%	23.8%	4,348	72.2%	27.8%	449
	<b>65+</b>	82.6%	17.4%	638	84.7%	15.3%	157
<b>RACE</b>	<b>CAUCASIAN</b>	76.4%	23.6%	5,430	75.0%	25.0%	939
	<b>AFRICAN AMERICAN</b>	63.0%	37.0%	351	61.7%	38.3%	81
	<b>OTHER</b>	64.1%	35.9%	92	68.8%	31.3%	16

## LUCAS COUNTY

Lucas County, a 2010 Safe Communities grantee, had a baseline seat belt use rate of 79%. During subsequent surveys, seat belt use increased to 85% during June 2010 and reached 88% during September 2010. Consequently, Lucas County achieved the Ohio goal of 85% seat belt use during both June and September of 2010. However, due to variation in the number of sites and surveys, the protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN LUCAS COUNTY

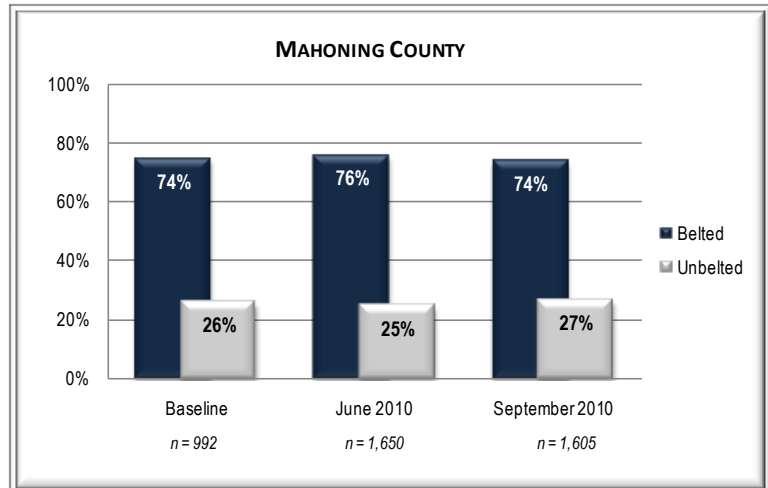
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	17	1,862	2,209
<b>JUNE 2010</b>	18	2,511	2,887
<b>SEPTEMBER 2010</b>	17	2,245	2,417

### 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
OVERALL RESULTS FOR LUCAS COUNTY		84.5%	15.5%	6,618	82.5%	17.5%	895
SURVEY	BASELINE	78.5%	21.5%	1,862	79.0%	21.0%	347
	JUNE 2010	85.4%	14.6%	2,511	84.6%	15.4%	376
	SEPTEMBER 2010	88.6%	11.4%	2,245	84.9%	15.1%	172
VEHICLE TYPE	PASSENGER CAR	84.1%	15.9%	3,443	80.3%	19.7%	446
	VAN/MINIVAN	87.9%	12.1%	811	86.3%	13.7%	146
	SUV	86.9%	13.1%	1,332	87.5%	12.5%	176
	PICKUP TRUCK	80.1%	19.9%	1,021	78.6%	21.4%	126
SEX	MALE	83.4%	16.6%	3,811	71.9%	28.1%	285
	FEMALE	86.0%	14.0%	2,770	87.2%	12.8%	602
AGE	0 – 4	-	-	-	91.7%	8.3%	12
	5 – 14	-	-	-	88.3%	11.7%	77
	15 – 25	77.3%	22.7%	981	79.5%	20.5%	268
	26 – 64	86.4%	13.6%	4,844	80.4%	19.6%	423
	65+	87.0%	13.0%	437	92.9%	7.1%	99
RACE	CAUCASIAN	85.7%	14.3%	5,287	86.0%	14.0%	723
	AFRICAN AMERICAN	80.3%	19.7%	893	65.0%	35.0%	143
	OTHER	81.5%	18.5%	65	75.0%	25.0%	8

## MAHONING COUNTY

In Mahoning County, a 2010 Safe Communities grantee, seat belt use increased from 74% at baseline to 76% during June 2010. Observed seat belt use then declined again to 74% during the September 2010 survey. Consequently, seat belt use in Mahoning County remained below the goal of 85%. It is important to note the sample size was considerably smaller during the baseline survey versus the 2010 surveys. Consequently, the survey protocol should be reviewed, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN MAHONING COUNTY

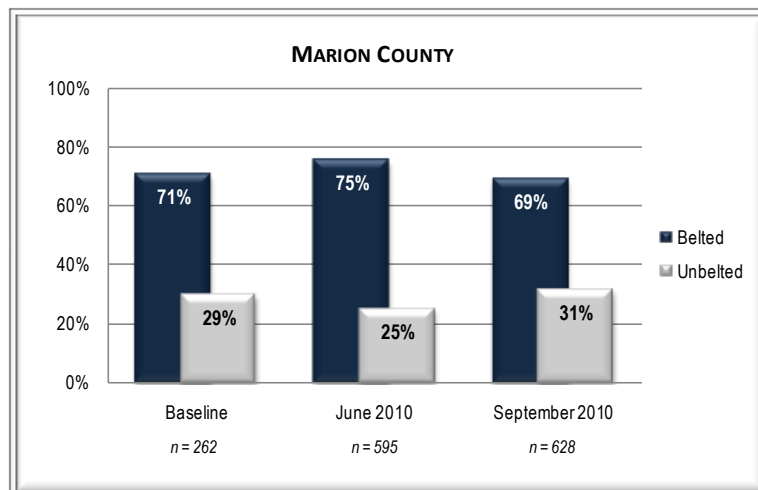
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	15	774	992
<b>JUNE 2010</b>	17	1,316	1,650
<b>SEPTEMBER 2010</b>	18	1,328	1,605

### 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
OVERALL RESULTS FOR MAHONING COUNTY		73.7%	26.3%	3,418	77.7%	22.3%	829
SURVEY	BASELINE	74.0%	26.0%	774	75.7%	24.3%	218
	JUNE 2010	75.0%	25.0%	1,316	77.2%	22.8%	334
	SEPTEMBER 2010	72.2%	27.8%	1,328	79.8%	20.2%	277
VEHICLE TYPE	PASSENGER CAR	73.4%	26.6%	1,810	77.6%	22.4%	460
	VAN/MINIVAN	80.6%	19.4%	325	85.0%	15.0%	80
	SUV	76.5%	23.5%	707	82.6%	17.4%	178
	PICKUP TRUCK	67.5%	32.5%	575	65.5%	34.5%	110
SEX	MALE	70.9%	29.1%	1,953	67.4%	32.6%	242
	FEMALE	77.6%	22.4%	1,458	81.9%	18.1%	586
AGE	0 – 4	-	-	-	-	-	-
	5 – 14	-	-	-	85.2%	14.8%	61
	15 – 25	63.4%	36.6%	563	72.1%	27.9%	154
	26 – 64	75.3%	24.7%	2,362	75.3%	24.7%	417
	65+	78.1%	21.9%	485	85.1%	14.9%	194
RACE	CAUCASIAN	74.5%	25.5%	3,082	76.9%	23.1%	445
	AFRICAN AMERICAN	63.1%	36.9%	263	62.8%	37.2%	43
	OTHER	61.3%	38.7%	31	57.1%	42.9%	7

## MARION COUNTY

Seat belt use in Marion County by front seat occupants increased from the baseline rate of 71% to 75% during the June 2010 survey. Seat belt use then decreased to 69% during the September 2010 survey. However, the relatively small and varied sample sizes make the results difficult to interpret and may be responsible for the fluctuation in survey results. Therefore, the survey protocol should be reviewed, revised if necessary, and standardized for Marion County since seat belt use remains well below the 85% goal.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN MARION COUNTY

	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASLINE</b>	4	224	262
<b>JUNE 2010</b>	4	492	595
<b>SEPTEMBER 2010</b>	4	533	628

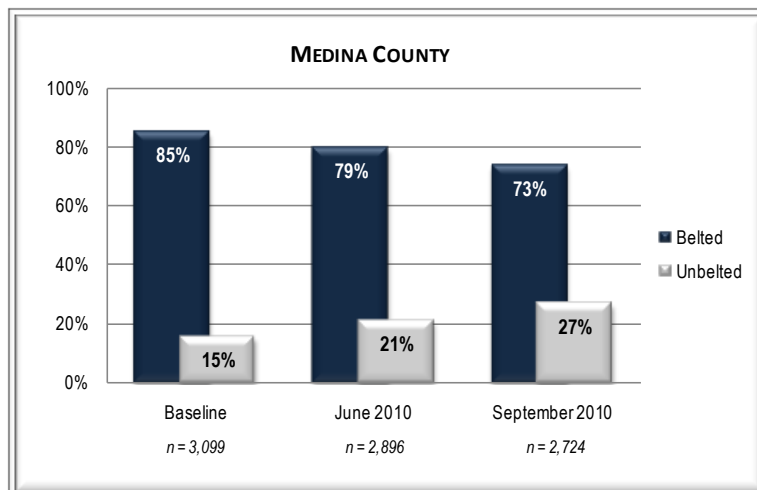
### CROSS-TABULATION OF MARION COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS

		DRIVER			PASSENGER		
		BELTED	UNBELTED	TOTAL	BELTED	UNBELTED	TOTAL
<b>OVERALL RESULTS FOR MARION COUNTY</b>		72.2%	27.8%	1,249	69.1%	30.9%	236
<b>SURVEY</b>	<b>BASLINE</b>	71.9%	28.1%	224	63.2%	36.8%	38
	<b>JUNE 2010</b>	75.8%	24.2%	492	72.8%	27.2%	103
	<b>SEPTEMBER 2010</b>	69.0%	31.0%	533	67.4%	32.6%	95
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	73.6%	26.4%	598	68.7%	31.3%	115
	<b>VAN/MINIVAN</b>	75.2%	24.8%	153	75.0%	25.0%	32
	<b>SUV</b>	76.0%	24.0%	263	77.6%	22.4%	49
	<b>PICKUP TRUCK</b>	62.2%	37.8%	233	53.8%	46.2%	39
<b>SEX</b>	<b>MALE</b>	69.8%	30.2%	685	55.0%	45.0%	80
	<b>FEMALE</b>	74.9%	25.1%	557	76.1%	23.9%	155
<b>AGE</b>	<b>0 – 4</b>	-	-	-	100.0%	-	1
	<b>5 – 14</b>	-	-	-	100.0%	-	12
	<b>15 – 25</b>	66.0%	34.0%	156	57.1%	42.9%	56
	<b>26 – 64</b>	71.6%	28.4%	909	67.0%	33.0%	115
	<b>65+</b>	80.9%	19.1%	183	79.6%	20.4%	49
<b>RACE</b>	<b>CAUCASIAN</b>	72.0%	28.0%	1,196	68.1%	31.9%	213
	<b>AFRICAN AMERICAN</b>	69.2%	30.8%	39	62.5%	37.5%	8
	<b>OTHER</b>	100.0%	-	6	75.0%	25.0%	4



## MEDINA COUNTY

In Medina County, a 2010 Safe Communities grantee, seat belt use decreased from 85% during the baseline to 79% during June 2010 and to 73% during September 2010. This decline put Medina County significantly below the usage rate target of 85%. Survey protocol variation (i.e., number of observation sites and vehicles) is probably responsible for the results and should be examined, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN MEDINA COUNTY

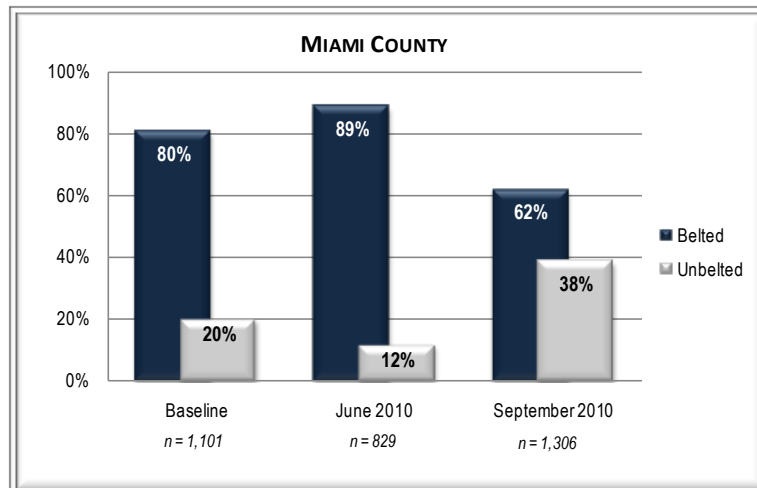
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	17	2,592	3,099
<b>JUNE 2010</b>	18	2,704	2,896
<b>SEPTEMBER 2010</b>	16	2,235	2,724

### 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>		79.1%	20.9%	7,531	81.4%	18.6%	1,188
<b>SURVEY</b>	<b>BASELINE</b>	83.5%	16.5%	2,592	90.5%	9.5%	507
	<b>JUNE 2010</b>	79.1%	20.9%	2,704	81.8%	18.2%	192
	<b>SEPTEMBER 2010</b>	73.8%	26.2%	2,235	71.8%	28.2%	489
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	81.3%	18.7%	3,516	82.2%	17.8%	523
	<b>VAN/MINIVAN</b>	81.6%	18.4%	938	81.9%	18.1%	171
	<b>SUV</b>	81.8%	18.2%	1,543	85.5%	14.5%	276
	<b>PICKUP TRUCK</b>	69.6%	30.4%	1,523	73.4%	26.6%	214
<b>SEX</b>	<b>MALE</b>	76.1%	23.9%	4,608	75.6%	24.4%	389
	<b>FEMALE</b>	83.7%	16.3%	2,884	84.2%	15.8%	780
<b>AGE</b>	<b>0 – 4</b>	-	-	-	100.0%	-	1
	<b>5 – 14</b>	-	-	-	90.5%	9.5%	105
	<b>15 – 25</b>	63.8%	36.2%	828	76.6%	23.4%	261
	<b>26 – 64</b>	80.8%	19.2%	6,027	81.2%	18.8%	680
	<b>65+</b>	81.9%	18.1%	612	83.0%	17.0%	100
<b>RACE</b>	<b>CAUCASIAN</b>	79.2%	20.8%	7,321	81.4%	18.6%	1,117
	<b>AFRICAN AMERICAN</b>	68.1%	31.9%	113	61.1%	38.9%	18
	<b>OTHER</b>	83.9%	16.1%	31	100.0%	-	6

## MIAMI COUNTY

Observed seat belt use in Miami County by front seat vehicle occupants increased significantly from 80% during the baseline to 89% during the June 2010 survey. However, seat belt use decreased to 62% during September 2010. This large decrease places Miami County well below the usage rate goal of 85%. Variation in the survey protocol is likely responsible for the results. Therefore, the survey protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN MIAMI COUNTY

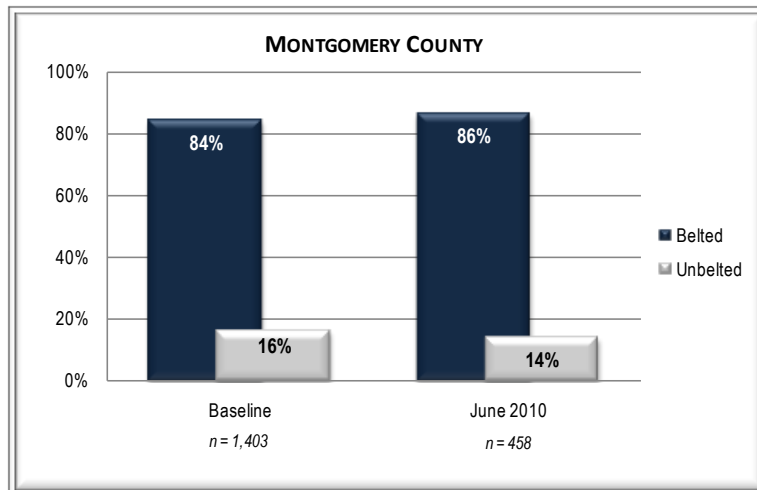
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	19	999	1,101
<b>JUNE 2010</b>	19	751	829
<b>SEPTEMBER 2010</b>	18	1,104	1,306

### 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>		75.4%	24.6%	2,854	70.4%	29.6%	382
<b>SURVEY</b>	<b>BASELINE</b>	81.0%	19.0%	999	73.5%	26.5%	102
	<b>JUNE 2010</b>	87.9%	12.1%	751	94.9%	5.1%	78
	<b>SEPTEMBER 2010</b>	62.0%	38.0%	1,104	59.4%	40.6%	202
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	76.9%	23.1%	1,376	72.1%	27.9%	179
	<b>VAN/MINIVAN</b>	81.3%	18.7%	342	78.1%	21.9%	64
	<b>SUV</b>	79.0%	21.0%	481	73.6%	26.4%	53
	<b>PICKUP TRUCK</b>	66.6%	33.4%	653	59.3%	40.7%	86
<b>SEX</b>	<b>MALE</b>	73.0%	27.0%	1,683	60.6%	39.4%	137
	<b>FEMALE</b>	79.1%	20.9%	1,167	75.9%	24.1%	245
<b>AGE</b>	<b>0 – 4</b>	-	-	-	-	-	-
	<b>5 – 14</b>	-	-	-	75.0%	25.0%	16
	<b>15 – 25</b>	61.3%	38.7%	530	52.8%	47.2%	108
	<b>26 – 64</b>	78.9%	21.1%	1,916	75.4%	24.6%	171
	<b>65+</b>	77.5%	22.5%	404	81.0%	19.0%	84
<b>RACE</b>	<b>CAUCASIAN</b>	75.4%	24.6%	2,777	70.1%	29.9%	364
	<b>AFRICAN AMERICAN</b>	71.0%	29.0%	31	50.0%	50.0%	4
	<b>OTHER</b>	79.2%	20.8%	24	84.6%	15.4%	13

## MONTGOMERY COUNTY

Baseline survey results for Montgomery County are from the June 2008 survey since no surveys were submitted during 2009. The baseline results found an 84% seat belt use rate by front seat occupants. Seat belt use increased to 86% during the June 2010 survey. However, results for June 2010 should be interpreted with caution due to the relatively small number of observation sites and surveys. Also, no surveys were submitted during September of 2010. It is recommended that Montgomery County review, adjust, and standardize its survey protocol. Also, the county should seek Safe Communities status.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN MONTGOMERY COUNTY

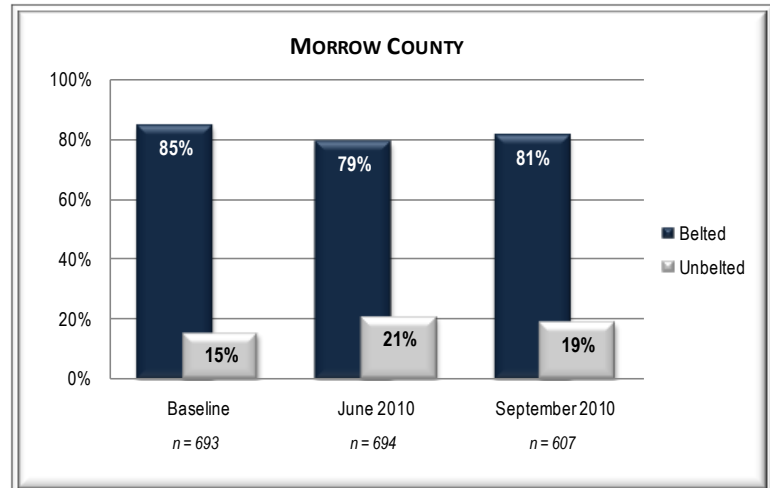
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	1,170	1,403
<b>JUNE 2010</b>	3	386	456
<b>SEPTEMBER 2010</b>	-	-	-

### 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>		84.6%	15.4%	1,556	82.6%	17.4%	305
<b>SURVEY</b>	<b>BASILINE</b>	84.2%	15.8%	1,170	81.1%	18.9%	233
	<b>JUNE 2010</b>	86.0%	14.0%	386	87.5%	12.5%	72
	<b>SEPTEMBER 2010</b>	-	-	-	-	-	-
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	85.2%	14.8%	862	82.6%	17.4%	155
	<b>VAN/MINIVAN</b>	86.8%	13.2%	167	84.3%	15.7%	51
	<b>SUV</b>	84.9%	15.1%	317	85.0%	15.0%	60
	<b>PICKUP TRUCK</b>	80.5%	19.5%	210	76.9%	23.1%	39
<b>SEX</b>	<b>MALE</b>	83.5%	16.5%	859	75.7%	24.3%	115
	<b>FEMALE</b>	86.1%	13.9%	691	86.7%	13.3%	188
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	1
	<b>5 - 14</b>	-	-	-	94.4%	5.6%	18
	<b>15 - 25</b>	83.1%	16.9%	266	77.4%	22.6%	115
	<b>26 - 64</b>	84.7%	15.3%	1,155	81.8%	18.2%	121
	<b>65+</b>	87.3%	12.7%	134	92.0%	8.0%	50
<b>RACE</b>	<b>CAUCASIAN</b>	85.5%	14.5%	1,273	84.8%	15.2%	257
	<b>AFRICAN AMERICAN</b>	79.2%	20.8%	250	66.7%	33.3%	42
	<b>OTHER</b>	89.3%	10.7%	28	100.0%	-	5

## MORROW COUNTY

Baseline survey results from 18 observation sites found an 85% seat belt usage rate in Morrow County, a 2010 Safe Communities grantee. The rate decreased to 79% during the June 2010 survey, then increased to 81% during the September 2010 survey. While baseline survey results suggest the 85% seat belt use goal is attainable in Morrow County, the survey protocol should be reviewed, revised if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN MORROW COUNTY

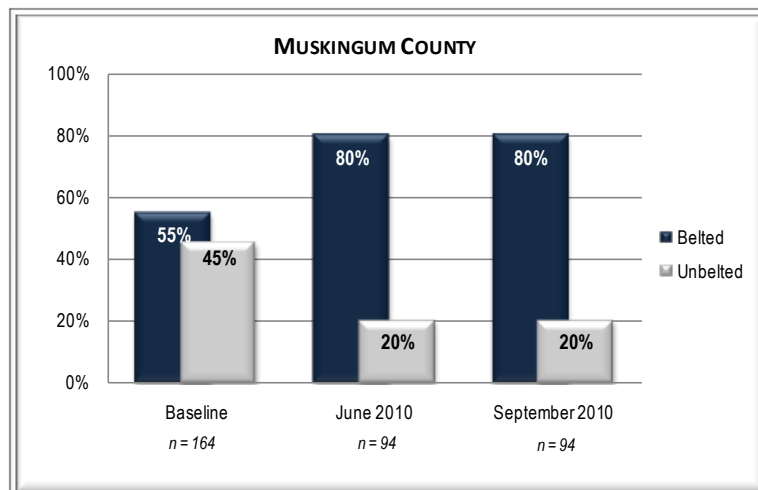
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	18	567	693
<b>JUNE 2010</b>	18	595	694
<b>SEPTEMBER 2010</b>	18	548	607

### 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>		82.6%	17.4%	1,710	77.8%	22.2%	284
<b>SURVEY</b>	<b>BASELINE</b>	84.7%	15.3%	567	85.7%	14.3%	126
	<b>JUNE 2010</b>	80.2%	19.8%	595	74.7%	25.3%	99
	<b>SEPTEMBER 2010</b>	83.0%	17.0%	548	66.1%	33.9%	59
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	84.7%	15.3%	713	77.1%	22.9%	140
	<b>VAN/MINIVAN</b>	89.3%	10.7%	205	88.9%	11.1%	36
	<b>SUV</b>	87.6%	12.4%	331	89.4%	10.6%	47
	<b>PICKUP TRUCK</b>	72.5%	27.5%	458	63.3%	36.7%	60
<b>SEX</b>	<b>MALE</b>	77.4%	22.6%	964	65.7%	34.3%	105
	<b>FEMALE</b>	89.2%	10.8%	743	84.7%	15.3%	176
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	2
	<b>5 - 14</b>	-	-	-	85.7%	14.3%	35
	<b>15 - 25</b>	67.3%	32.7%	165	65.9%	34.1%	85
	<b>26 - 64</b>	84.0%	16.0%	1,405	80.2%	19.8%	126
	<b>65+</b>	86.2%	13.8%	138	87.5%	12.5%	32
<b>RACE</b>	<b>CAUCASIAN</b>	82.6%	17.4%	1,688	77.4%	22.6%	279
	<b>AFRICAN AMERICAN</b>	100.0%	-	9	100.0%	-	1
	<b>OTHER</b>	100.0%	-	1	-	-	-

## MUSKINGUM COUNTY

Since no surveys were provided during 2008 or 2009, baseline results for Muskingum County are from the 2007 survey period. Baseline results found a 55% seat belt usage rate for front seat occupants. This rate increased to 80% for the 2010 June and September surveys. However, results for Muskingum County should be interpreted with caution due to the relatively small sample of sites (i.e., 2 rather than 4 sites) and surveys. Therefore, the Muskingum County survey protocol should be reviewed, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN MUSKINGUM COUNTY

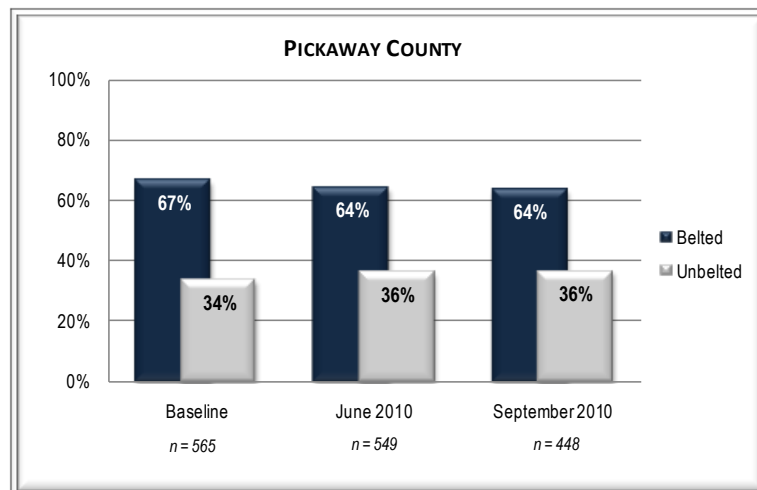
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	2	120	164
<b>JUNE 2010</b>	2	70	94
<b>SEPTEMBER 2010</b>	2	80	94

### CROSS-TABULATION OF MUSKINGUM 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 MUSKINGUM COUNTY</b>		72.6%	27.4%	270	53.7%	46.3%	82
<b>SURVEY</b>	<b>BASILINE</b>	59.2%	40.8%	120	43.2%	56.8%	44
	<b>JUNE 2010</b>	88.6%	11.4%	70	54.2%	45.8%	24
	<b>SEPTEMBER 2010</b>	78.8%	21.3%	80	85.7%	14.3%	14
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	74.2%	25.8%	124	57.9%	42.1%	38
	<b>VAN/MINIVAN</b>	72.2%	27.8%	36	44.4%	55.6%	9
	<b>SUV</b>	77.4%	22.6%	53	66.7%	33.3%	15
	<b>PICKUP TRUCK</b>	64.3%	35.7%	56	40.0%	60.0%	20
<b>SEX</b>	<b>MALE</b>	66.5%	33.5%	164	30.8%	69.2%	26
	<b>FEMALE</b>	81.9%	18.1%	105	62.3%	37.7%	53
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	1
	<b>5 - 14</b>	-	-	-	75.0%	25.0%	4
	<b>15 - 25</b>	50.0%	50.0%	32	37.5%	62.5%	24
	<b>26 - 64</b>	73.5%	26.5%	211	50.0%	50.0%	38
	<b>65+</b>	92.6%	7.4%	27	76.9%	23.1%	13
<b>RACE</b>	<b>CAUCASIAN</b>	72.9%	27.1%	262	52.6%	47.4%	78
	<b>AFRICAN AMERICAN</b>	57.1%	42.9%	7	100.0%	-	1
	<b>OTHER</b>	100.0%	-	1	-	100.0%	1

## PICKAWAY COUNTY

Seat belt use in Pickaway County decreased between the baseline rate of 67% and the June and September survey results of 64%. These results show Pickaway County is well below the usage goal of 85%. Additionally, survey results should be considered with caution due to the relatively small number of observation surveys. Therefore, it is recommended the survey protocol be reviewed, adjusted if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN PICKAWAY COUNTY

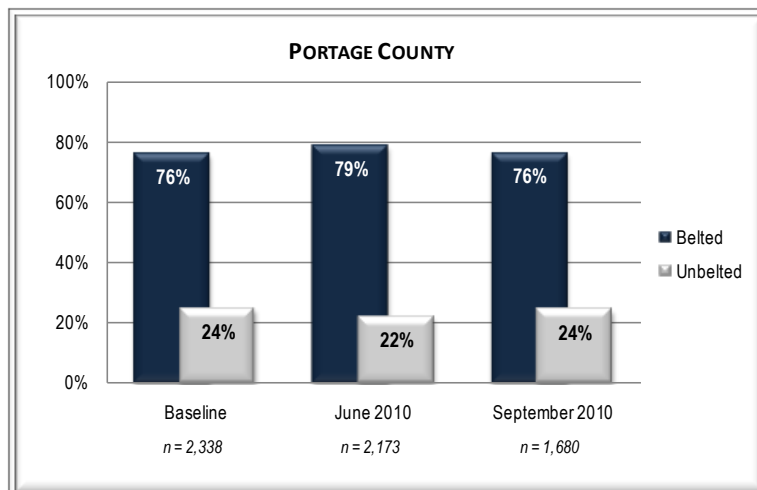
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	4	466	565
<b>JUNE 2010</b>	4	468	549
<b>SEPTEMBER 2010</b>	4	399	448

### 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>		66.2%	33.8%	1,333	56.8%	43.2%	229
<b>SURVEY</b>	<b>BASILINE</b>	67.4%	32.6%	466	62.6%	37.4%	99
	<b>JUNE 2010</b>	66.0%	34.0%	468	53.1%	46.9%	81
	<b>SEPTEMBER 2010</b>	65.2%	34.8%	399	51.0%	49.0%	49
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	68.5%	31.5%	584	59.1%	40.9%	93
	<b>VAN/MINIVAN</b>	67.3%	32.7%	98	64.0%	36.0%	25
	<b>SUV</b>	70.1%	29.9%	278	56.5%	43.5%	46
	<b>PICKUP TRUCK</b>	59.2%	40.8%	370	50.8%	49.2%	65
<b>SEX</b>	<b>MALE</b>	65.4%	34.6%	842	45.8%	54.2%	96
	<b>FEMALE</b>	67.6%	32.4%	487	64.7%	35.3%	133
<b>AGE</b>	<b>0 – 4</b>	-	-	-	50.0%	50.0%	2
	<b>5 – 14</b>	-	-	-	66.7%	33.3%	12
	<b>15 – 25</b>	57.0%	43.0%	302	43.0%	57.0%	79
	<b>26 – 64</b>	68.1%	31.9%	899	59.6%	40.4%	104
	<b>65+</b>	76.6%	23.4%	124	78.1%	21.9%	32
<b>RACE</b>	<b>CAUCASIAN</b>	66.3%	33.7%	1,324	56.6%	43.4%	228
	<b>AFRICAN AMERICAN</b>	-	100.0%	2	-	-	-
	<b>OTHER</b>	-	-	-	-	-	-

## PORTAGE COUNTY

Baseline survey results for Portage County, a 2010 Safe Communities grantee, indicate that seat belt use by front seat occupants was 76%. Seat belt use increased to 79% during June 2010 and then decreased to 76% during September 2010. Therefore, Portage County is below the target usage rate of 85%. Since the survey results are likely due to fluctuation in the survey protocol and sample size, the protocol should be reviewed, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN PORTAGE COUNTY

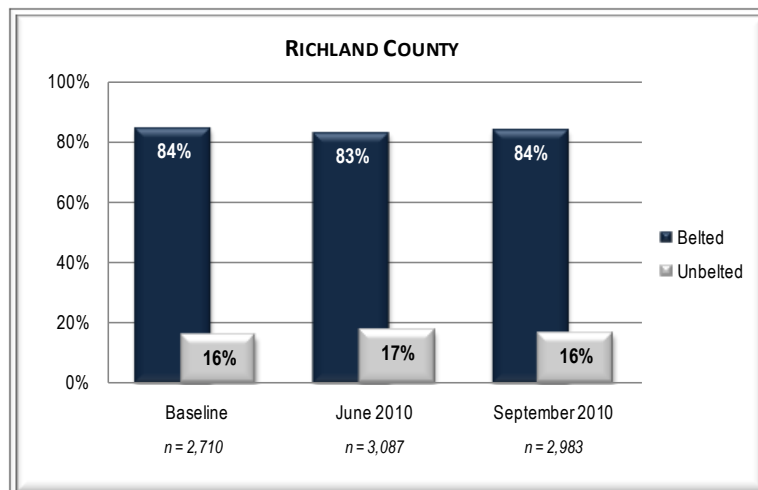
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASLINE</b>	19	1,982	2,338
<b>JUNE 2010</b>	17	1,880	2,173
<b>SEPTEMBER 2010</b>	17	1,538	1,680

### 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
OVERALL RESULTS FOR PORTAGE COUNTY		76.8%	23.2%	5,400	76.4%	23.6%	791
SURVEY	BASELINE	76.0%	24.0%	1,982	73.9%	26.1%	356
	JUNE 2010	78.5%	21.5%	1,880	78.8%	21.2%	293
	SEPTEMBER 2010	75.8%	24.2%	1,538	77.5%	22.5%	142
VEHICLE TYPE	PASSENGER CAR	76.5%	23.5%	2,793	77.3%	22.7%	383
	VAN/MINIVAN	84.7%	15.3%	581	82.5%	17.5%	103
	SUV	79.3%	20.7%	1,087	80.2%	19.8%	167
	PICKUP TRUCK	69.9%	30.1%	938	64.5%	35.5%	138
SEX	MALE	74.3%	25.7%	3,051	68.4%	31.6%	310
	FEMALE	80.3%	19.7%	2,330	81.3%	18.7%	477
AGE	0 – 4	-	-	-	80.0%	20.0%	5
	5 – 14	-	-	-	86.2%	13.8%	65
	15 – 25	71.0%	29.0%	877	70.1%	29.9%	194
	26 – 64	76.9%	23.1%	3,931	74.5%	25.5%	412
	65+	86.6%	13.4%	545	90.9%	9.1%	99
RACE	CAUCASIAN	77.1%	22.9%	4,941	77.5%	22.5%	716
	AFRICAN AMERICAN	69.7%	30.3%	284	67.5%	32.5%	40
	OTHER	83.3%	16.7%	78	66.7%	33.3%	12

## RICHLAND COUNTY

Richland County, a 2010 Safe Communities grantee, had a baseline seat belt use rate of 84%. Seat belt use then decreased to 83% during June 2010 and then rose to 84% during September 2010. Survey results remained slightly below the 85% seat belt usage rate goal established for Ohio. Consequently, survey results suggest the 85% seat belt use goal is attainable in Richland County.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN RICHLAND COUNTY

	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	2,223	2,710
<b>JUNE 2010</b>	19	2,516	3,087
<b>SEPTEMBER 2010</b>	19	2,494	2,983

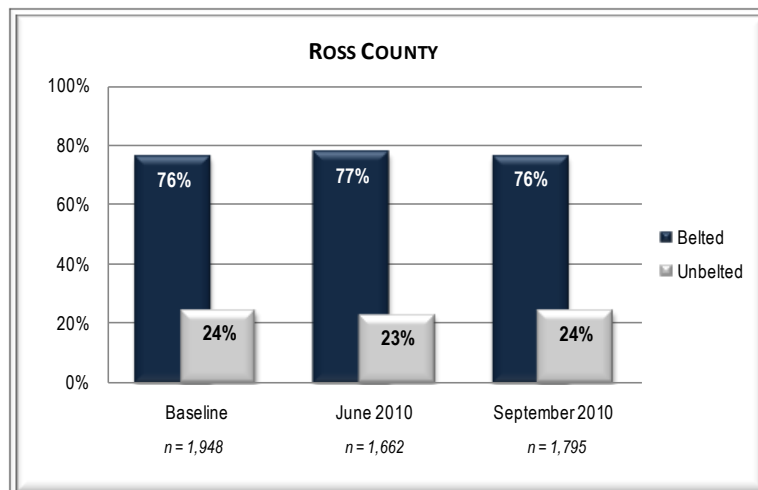
### CROSS-TABULATION OF RICHLAND COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS

		DRIVER			PASSENGER		
		BELTED	UNBELTED	TOTAL	BELTED	UNBELTED	TOTAL
<b>OVERALL RESULTS FOR RICHLAND COUNTY</b>		84.2%	15.8%	7,233	80.7%	19.3%	1,547
<b>SURVEY</b>	<b>BASILINE</b>	85.0%	15.0%	2,223	81.3%	18.7%	487
	<b>JUNE 2010</b>	83.3%	16.7%	2,516	80.7%	19.3%	571
	<b>SEPTEMBER 2010</b>	84.4%	15.6%	2,494	80.2%	19.8%	489
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	83.4%	16.6%	3,462	78.1%	21.9%	749
	<b>VAN/MINIVAN</b>	88.5%	11.5%	786	86.2%	13.8%	232
	<b>SUV</b>	88.8%	11.2%	1,443	88.9%	11.1%	289
	<b>PICKUP TRUCK</b>	79.4%	20.6%	1,542	74.7%	25.3%	277
<b>SEX</b>	<b>MALE</b>	81.4%	18.6%	4,121	75.1%	24.9%	586
	<b>FEMALE</b>	88.0%	12.0%	3,110	84.2%	15.8%	960
<b>AGE</b>	<b>0 - 4</b>	-	-	-		100.0%	1
	<b>5 - 14</b>	-	-	-	85.2%	14.8%	183
	<b>15 - 25</b>	79.3%	20.7%	1,095	64.8%	35.2%	310
	<b>26 - 64</b>	84.8%	15.2%	5,054	82.7%	17.3%	735
	<b>65+</b>	86.5%	13.5%	1,083	89.2%	10.8%	316
<b>RACE</b>	<b>CAUCASIAN</b>	85.7%	14.3%	6,392	83.3%	16.7%	1,356
	<b>AFRICAN AMERICAN</b>	72.0%	28.0%	732	62.3%	37.7%	159
	<b>OTHER</b>	79.0%	21.0%	105	57.1%	42.9%	28



## ROSS COUNTY

Baseline seat belt use in Ross County, a 2010 Safe Communities grantee, was 76%. Usage remained at 77% or 76% during 2010. Therefore, Ross County seat belt use remained significantly below the 85% goal for Ohio. Due to variation in the number of observations by survey period, the protocol should be reviewed, adjusted if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN ROSS COUNTY

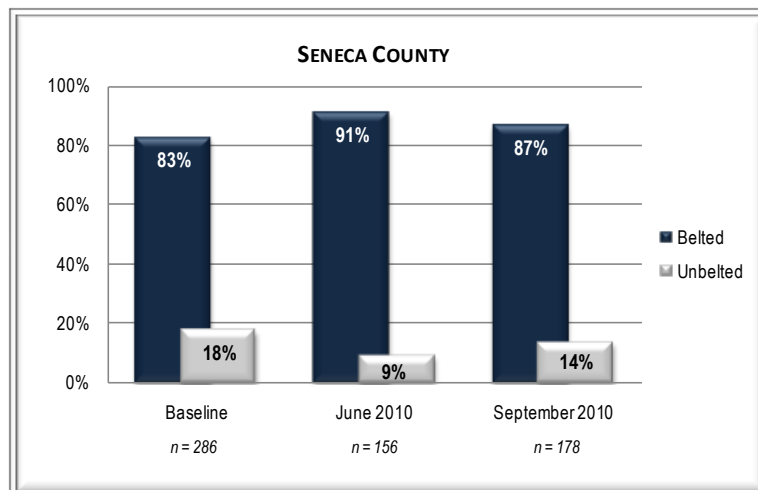
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
BASILINE	19	1,736	1,948
JUNE 2010	19	1,518	1,662
SEPTEMBER 2010	19	1,773	1,795

### 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
OVERALL RESULTS FOR ROSS COUNTY		76.5%	23.5%	5,027	74.1%	25.9%	378
SURVEY	BASILINE	76.3%	23.7%	1,736	72.2%	27.8%	212
	JUNE 2010	77.3%	22.7%	1,518	77.1%	22.9%	144
	SEPTEMBER 2010	76.0%	24.0%	1,773	72.7%	27.3%	22
VEHICLE TYPE	PASSENGER CAR	77.9%	22.1%	2,516	76.9%	23.1%	186
	VAN/MINIVAN	78.5%	21.5%	497	71.4%	28.6%	42
	SUV	78.6%	21.4%	906	81.0%	19.0%	63
	PICKUP TRUCK	70.9%	29.1%	1,107	64.4%	35.6%	87
SEX	MALE	72.8%	27.2%	2,844	58.7%	41.3%	126
	FEMALE	81.4%	18.6%	2,180	81.5%	18.5%	249
AGE	0 - 4	-	-	-	-	100.0%	2
	5 - 14	-	-	-	83.9%	16.1%	31
	15 - 25	61.6%	38.4%	86	60.0%	40.0%	40
	26 - 64	76.6%	23.4%	4,790	75.5%	24.5%	257
	65+	83.9%	16.1%	124	72.1%	27.9%	43
RACE	CAUCASIAN	76.9%	23.1%	4,915	74.0%	26.0%	366
	AFRICAN AMERICAN	50.7%	49.3%	67	60.0%	40.0%	5
	OTHER	-	-	-	-	-	-

## SENECA COUNTY

Seat belt usage by front seat occupants in Seneca County fluctuated during the three observation periods. For instance, the baseline seat belt usage rate of 83% increased to 91% during June 2010 and then declined slightly to 87% during September 2010. It is important to note that these results are based on a relatively small sample of observation sites and surveys. Therefore, even though the 85% usage rate was achieved during 2010, Seneca County's survey protocol should be reviewed and modified if necessary.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN SENECA COUNTY

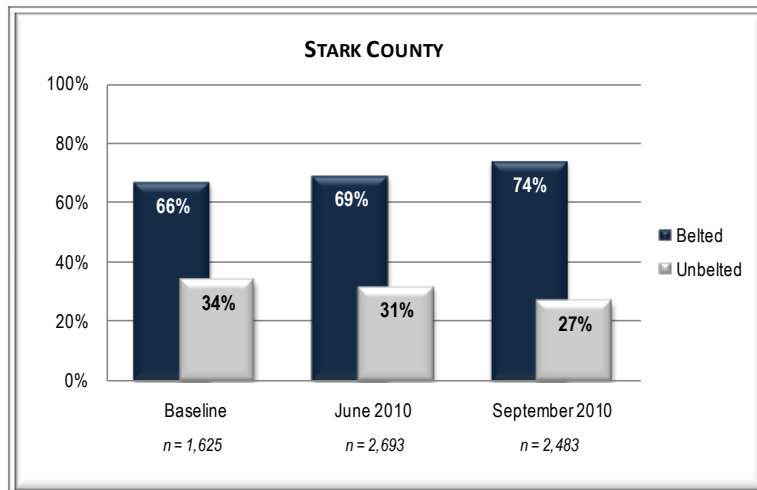
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASLINE</b>	4	238	286
<b>JUNE 2010</b>	4	142	156
<b>SEPTEMBER 2010</b>	4	154	178

### 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
OVERALL RESULTS FOR SENECA COUNTY		86.0%	14.0%	534	84.9%	15.1%	86
SURVEY	BASELINE	82.4%	17.6%	238	83.3%	16.7%	48
	JUNE 2010	90.8%	9.2%	142	92.9%	7.1%	14
	SEPTEMBER 2010	87.0%	13.0%	154	83.3%	16.7%	24
VEHICLE TYPE	PASSENGER CAR	88.8%	11.2%	276	86.0%	14.0%	43
	VAN/MINIVAN	85.5%	14.5%	55	70.0%	30.0%	10
	SUV	86.2%	13.8%	94	88.9%	11.1%	18
	PICKUP TRUCK	78.9%	21.1%	109	86.7%	13.3%	15
SEX	MALE	83.5%	16.5%	272	86.1%	13.9%	36
	FEMALE	88.4%	11.6%	259	84.0%	16.0%	50
AGE	0 – 4	-	-	-	-	-	-
	5 – 14	-	-	-	100.0%	-	6
	15 – 25	85.0%	15.0%	60	88.9%	11.1%	18
	26 – 64	86.5%	13.5%	415	84.3%	15.7%	51
	65+	82.5%	17.5%	57	77.8%	22.2%	9
RACE	CAUCASIAN	85.8%	14.2%	508	87.5%	12.5%	80
	AFRICAN AMERICAN	81.8%	18.2%	11	75.0%	25.0%	4
	OTHER	92.3%	7.7%	13	-	100.0%	1

## STARK COUNTY

Seat belt use in Stark County, a 2010 Safe Communities grantee, increased from 66% at baseline to 69% during June 2010 and reached 74% during September 2010; still well below the usage rate goal of 85%. Due to significant variation in the number of observation surveys at baseline relative to those during 2010, the survey protocol should be carefully reviewed, revised if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN STARK COUNTY

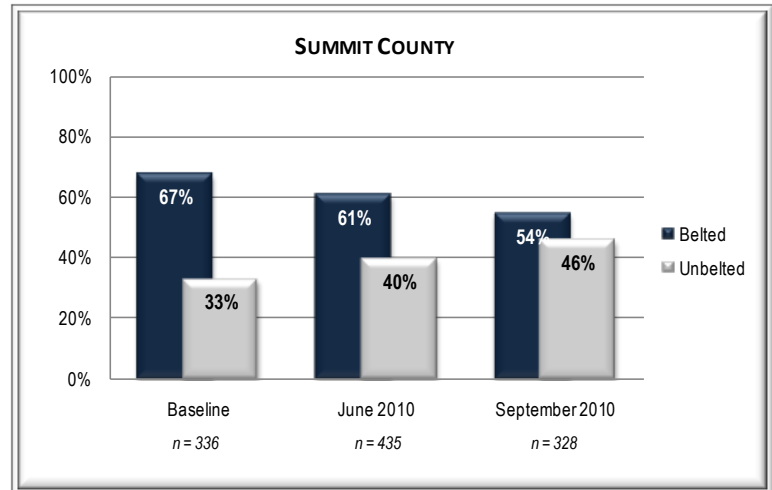
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	1,406	1,625
<b>JUNE 2010</b>	19	2,231	2,693
<b>SEPTEMBER 2010</b>	19	2,055	2,483

### 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>		70.3%	29.7%	5,692	67.8%	32.2%	1,109
<b>SURVEY</b>	<b>BASILINE</b>	67.1%	32.9%	1,406	61.6%	38.4%	219
	<b>JUNE 2010</b>	69.2%	30.8%	2,231	66.7%	33.3%	462
	<b>SEPTEMBER 2010</b>	73.7%	26.3%	2,055	72.2%	27.8%	428
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	72.6%	27.4%	2,803	68.4%	31.6%	579
	<b>VAN/MINIVAN</b>	73.2%	26.8%	694	66.9%	33.1%	139
	<b>SUV</b>	73.1%	26.9%	1,013	72.8%	27.2%	202
	<b>PICKUP TRUCK</b>	60.8%	39.2%	1,179	61.2%	38.8%	188
<b>SEX</b>	<b>MALE</b>	68.4%	31.6%	3,326	57.8%	42.2%	467
	<b>FEMALE</b>	73.0%	27.0%	2,355	75.0%	25.0%	637
<b>AGE</b>	<b>0 - 4</b>	-	-	-	40.0%	60.0%	5
	<b>5 - 14</b>	-	-	-	64.6%	35.4%	65
	<b>15 - 25</b>	65.3%	34.7%	924	64.5%	35.5%	310
	<b>26 - 64</b>	71.0%	29.0%	4,264	67.8%	32.2%	615
	<b>65+</b>	73.4%	26.6%	492	80.0%	20.0%	105
<b>RACE</b>	<b>CAUCASIAN</b>	71.4%	28.6%	5,049	70.2%	29.8%	928
	<b>AFRICAN AMERICAN</b>	60.9%	39.1%	586	54.1%	45.9%	170
	<b>OTHER</b>	70.0%	30.0%	30	60.0%	40.0%	5

## SUMMIT COUNTY

Seat belt use in Summit County, a 2010 Safe Communities grantee, declined during the three surveys. For instance, seat belt use was 67% at baseline, 61% during June 2010, and 54% during September 2010. Thus, the county is well below the usage goal of 85%. Communication problems during the transition to a new Safe Communities lead agency, contributed to the small sample of sites for a Safe Communities grantee (i.e., 6 rather than 19). Also, the sample of observations was relatively small and fluctuated during the surveys. These results suggest the survey protocol for 2011 should be reviewed, adjusted if necessary, and standardized.



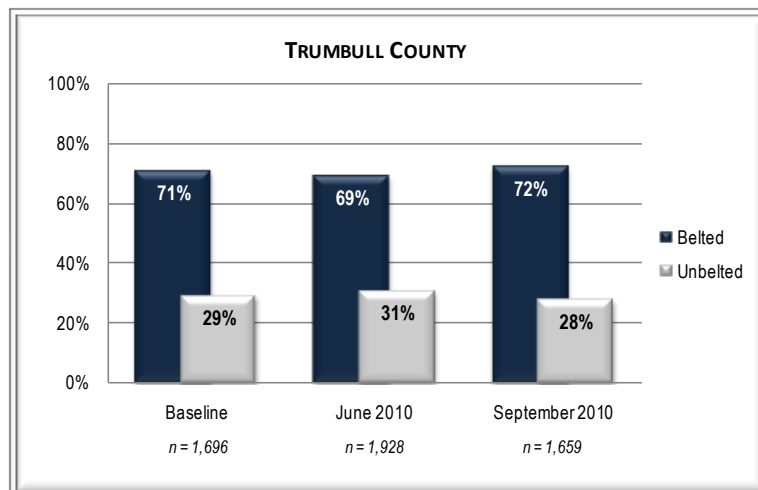
TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN SUMMIT COUNTY			
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	6	266	336
<b>JUNE 2010</b>	6	339	435
<b>SEPTEMBER 2010</b>	6	285	328

## 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>		62.1%	37.9%	890	54.5%	45.5%	209
<b>SURVEY</b>	<b>BASILINE</b>	69.2%	30.8%	266	60.0%	40.0%	70
	<b>JUNE 2010</b>	62.5%	37.5%	339	53.1%	46.9%	96
	<b>SEPTEMBER 2010</b>	55.1%	44.9%	285	48.8%	51.2%	43
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	62.9%	37.1%	536	55.0%	45.0%	140
	<b>VAN/MINIVAN</b>	60.9%	39.1%	92	56.5%	43.5%	23
	<b>SUV</b>	64.2%	35.8%	165	51.6%	48.4%	31
	<b>PICKUP TRUCK</b>	54.3%	45.7%	94	53.3%	46.7%	15
<b>SEX</b>	<b>MALE</b>	59.8%	40.2%	498	53.7%	46.3%	95
	<b>FEMALE</b>	65.0%	35.0%	391	54.9%	45.1%	113
<b>AGE</b>	<b>0 - 4</b>	-	-	-	50.0%	50.0%	2
	<b>5 - 14</b>	-	-	-	69.2%	30.8%	26
	<b>15 - 25</b>	50.9%	49.1%	106	47.2%	52.8%	53
	<b>26 - 64</b>	62.8%	37.2%	712	51.8%	48.2%	110
	<b>65+</b>	71.8%	28.2%	71	72.2%	27.8%	18
<b>RACE</b>	<b>CAUCASIAN</b>	68.0%	32.0%	651	65.3%	34.7%	118
	<b>AFRICAN AMERICAN</b>	45.9%	54.1%	233	39.1%	60.9%	87
	<b>OTHER</b>	60.0%	40.0%	5	66.7%	33.3%	3

## TRUMBULL COUNTY

As a 2010 Safe Communities grantee, seat belt use in Trumbull County by front seat occupants was relatively low and declined slightly between the baseline (71%) and June 2010 survey (69%). Seat belt use then increased to 72% during the September 2010 survey. However, Trumbull County is well below the goal of an 85% usage rate for Ohio. Due to variation in the number of observation sites and surveys, the Trumbull County survey protocol should be examined, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN TRUMBULL COUNTY

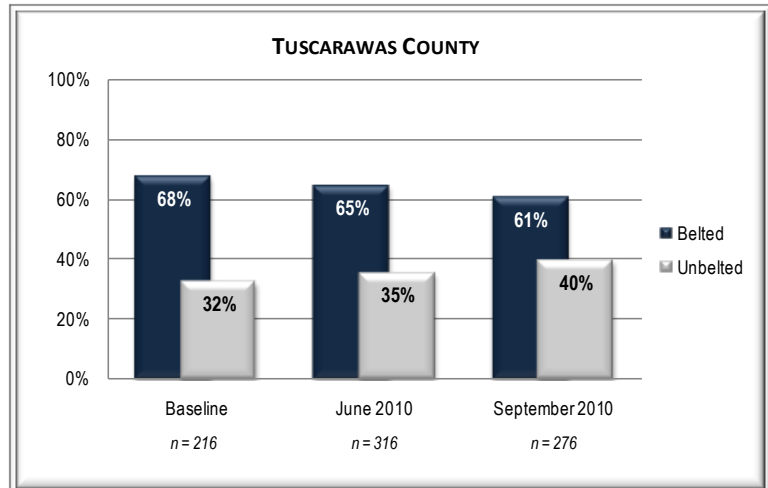
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASELINE</b>	18	1,350	1,696
<b>JUNE 2010</b>	19	1,561	1,928
<b>SEPTEMBER 2010</b>	18	1,395	1,659

### 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>		71.6%	28.4%	4,306	66.9%	33.1%	977
<b>SURVEY</b>	<b>BASELINE</b>	71.8%	28.2%	1,350	67.3%	32.7%	346
	<b>JUNE 2010</b>	70.9%	29.1%	1,561	62.9%	37.1%	367
	<b>SEPTEMBER 2010</b>	72.3%	27.7%	1,395	72.0%	28.0%	264
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	71.9%	28.1%	2,347	67.6%	32.4%	521
	<b>VAN/MINIVAN</b>	76.1%	23.9%	385	68.2%	31.8%	107
	<b>SUV</b>	72.8%	27.2%	826	72.0%	28.0%	186
	<b>PICKUP TRUCK</b>	67.0%	33.0%	737	57.5%	42.5%	160
<b>SEX</b>	<b>MALE</b>	69.1%	30.9%	2,427	62.9%	37.1%	356
	<b>FEMALE</b>	74.8%	25.2%	1,864	69.3%	30.7%	612
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	3
	<b>5 - 14</b>	-	-	-	77.6%	22.4%	98
	<b>15 - 25</b>	63.1%	36.9%	282	59.1%	40.9%	220
	<b>26 - 64</b>	71.5%	28.5%	3,645	65.7%	34.3%	536
	<b>65+</b>	81.4%	18.6%	290	83.7%	16.3%	104
<b>RACE</b>	<b>CAUCASIAN</b>	72.3%	27.7%	4,010	67.8%	32.2%	902
	<b>AFRICAN AMERICAN</b>	55.1%	44.9%	198	58.7%	41.3%	46
	<b>OTHER</b>	100.0%	-	4	66.7%	33.3%	3

## TUSCARAWAS COUNTY

Baseline seat belt use for Tuscarawas County was taken from the 2007 survey since data were unavailable in 2008 or 2009. Seat belt use by front seat occupants declined between the baseline (68%) and the June 2010 survey (65%). The usage rate declined again to 61% during the September 2010 survey. The results show that Tuscarawas County is well below the goal of an 85% usage rate for Ohio. Furthermore, the number of observation sites and surveys were relatively small. Thus, the survey protocol should be reviewed, revised, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN TUSCARAWAS COUNTY

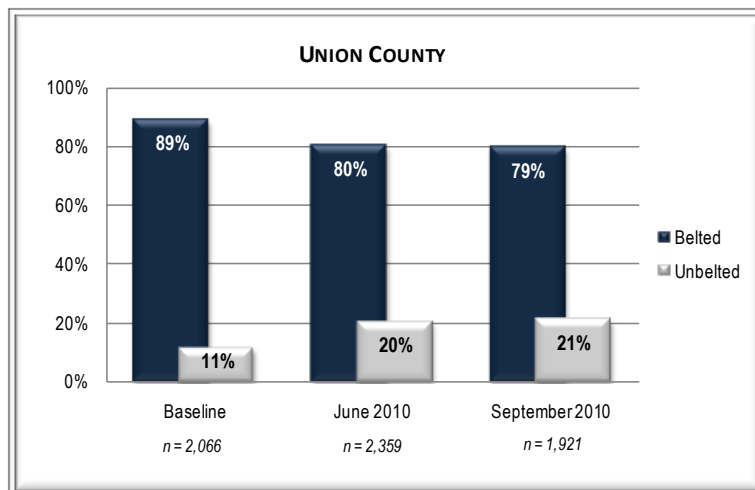
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	3	174	216
<b>JUNE 2010</b>	3	246	316
<b>SEPTEMBER 2010</b>	3	240	276

### CROSS-TABULATION OF TUSCARAWAS 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>		63.8%	36.2%	660	64.9%	35.1%	148
<b>SURVEY</b>	<b>BASILINE</b>	69.0%	31.0%	174	61.9%	38.1%	42
	<b>JUNE 2010</b>	63.0%	37.0%	246	70.0%	30.0%	70
	<b>SEPTEMBER 2010</b>	60.8%	39.2%	240	58.3%	41.7%	36
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	65.9%	34.1%	273	57.9%	42.1%	57
	<b>VAN/MINIVAN</b>	70.1%	29.9%	67	72.2%	27.8%	18
	<b>SUV</b>	70.9%	29.1%	134	76.5%	23.5%	34
	<b>PICKUP TRUCK</b>	54.1%	45.9%	183	60.5%	39.5%	38
<b>SEX</b>	<b>MALE</b>	58.1%	41.9%	406	55.8%	44.2%	52
	<b>FEMALE</b>	73.1%	26.9%	253	69.8%	30.2%	96
<b>AGE</b>	<b>0 - 4</b>	-	-	-	-	100.0%	1
	<b>5 - 14</b>	-	-	-	50.0%	50.0%	22
	<b>15 - 25</b>	67.6%	32.4%	68	71.4%	28.6%	21
	<b>26 - 64</b>	63.3%	36.7%	531	64.8%	35.2%	91
	<b>65+</b>	65.0%	35.0%	60	91.7%	8.3%	12
<b>RACE</b>	<b>CAUCASIAN</b>	63.7%	36.3%	647	64.4%	35.6%	146
	<b>AFRICAN AMERICAN</b>	100.0%	-	3	100.0%	-	1
	<b>OTHER</b>	50.0%	50.0%	2	-	-	-

## UNION COUNTY

Seat belt use in Union County, a 2010 Safe Communities grantee, declined between the baseline (89%), the June 2010 survey (80%), and also the September 2010 survey (79%). Although, Union County results suggest the 85% goal is attainable, the sample of observation surveys varied over the survey periods. Therefore, the survey protocol should be carefully examined, adjusted if necessary, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN UNION COUNTY

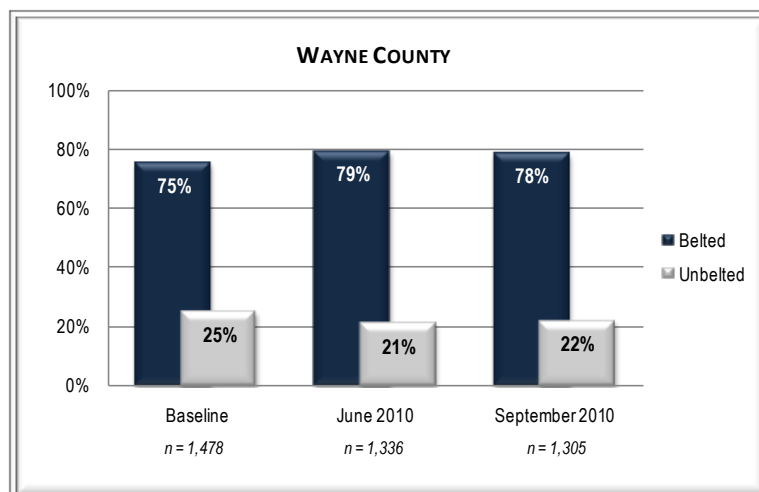
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	1,881	2,066
<b>JUNE 2010</b>	19	2,313	2,359
<b>SEPTEMBER 2010</b>	19	1,921	1,921

### 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>		82.5%	17.5%	6,115	87.0%	13.0%	231
<b>SURVEY</b>	<b>BASILINE</b>	88.6%	11.4%	1,881	90.8%	9.2%	185
	<b>JUNE 2010</b>	80.2%	19.8%	2,313	71.7%	28.3%	46
	<b>SEPTEMBER 2010</b>	79.4%	20.6%	1,921	-	-	-
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	85.2%	14.8%	2,755	88.2%	11.8%	110
	<b>VAN/MINIVAN</b>	83.7%	16.3%	719	87.9%	12.1%	33
	<b>SUV</b>	88.8%	11.2%	1,314	95.8%	4.2%	48
	<b>PICKUP TRUCK</b>	70.2%	29.8%	1,327	72.5%	27.5%	40
<b>SEX</b>	<b>MALE</b>	78.2%	21.8%	3,592	80.7%	19.3%	88
	<b>FEMALE</b>	88.7%	11.3%	2,520	92.6%	7.4%	135
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	2
	<b>5 - 14</b>	-	-	-	94.1%	5.9%	17
	<b>15 - 25</b>	78.7%	21.3%	506	81.8%	18.2%	55
	<b>26 - 64</b>	82.8%	17.2%	4,832	75.0%	25.0%	32
	<b>65+</b>	83.6%	16.4%	764	86.8%	13.2%	53
<b>RACE</b>	<b>CAUCASIAN</b>	82.6%	17.4%	5,846	81.7%	18.3%	115
	<b>AFRICAN AMERICAN</b>	86.3%	13.7%	51	100.0%	-	3
	<b>OTHER</b>	87.5%	12.5%	64	100.0%	-	1

## WAYNE COUNTY

Seat belt use in Wayne County, a 2010 Safe Communities grantee, increased 4% from the baseline survey (75%) to the June 2010 survey (79%). Observed seat belt use remained relatively stable through the September 2010 survey (78%), although well below the usage goal of 85%. In addition, the number of sites observed varied over the survey periods, indicating the survey protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN WAYNE COUNTY

	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	17	1,148	1,478
<b>JUNE 2010</b>	18	1,020	1,336
<b>SEPTEMBER 2010</b>	17	1,010	1,305

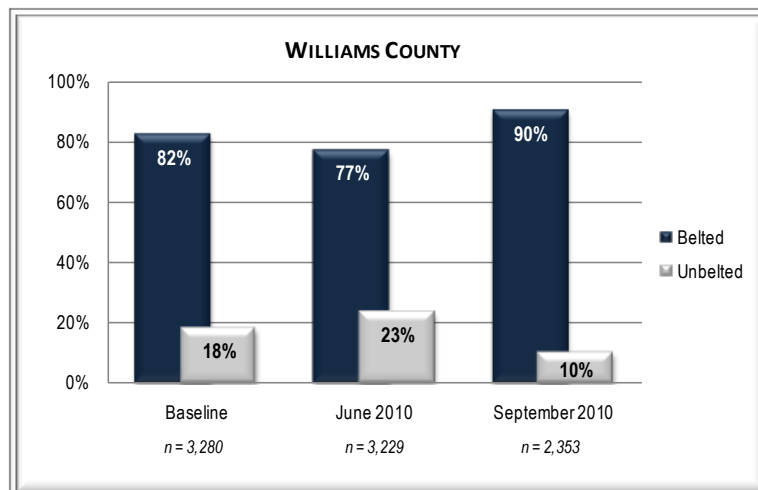
### CROSS-TABULATION OF WAYNE COUNTY SEAT BELT USE RATES BY SURVEY, DRIVER, AND FRONT SEAT PASSENGER, VEHICLE TYPE, AND OCCUPANTS' DEMOGRAPHIC CHARACTERISTICS

		DRIVER			PASSENGER		
		BELTED	UNBELTED	TOTAL	BELTED	UNBELTED	TOTAL
<b>OVERALL RESULTS FOR WAYNE COUNTY</b>		78.9%	21.1%	3,178	73.0%	27.0%	941
<b>SURVEY</b>	<b>BASILINE</b>	77.4%	22.6%	1,148	67.9%	32.1%	330
	<b>JUNE 2010</b>	80.3%	19.7%	1,020	75.6%	24.4%	316
	<b>SEPTEMBER 2010</b>	79.1%	20.9%	1,010	75.9%	24.1%	295
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	81.5%	18.5%	1,541	73.3%	26.7%	453
	<b>VAN/MINIVAN</b>	83.9%	16.1%	353	76.0%	24.0%	146
	<b>SUV</b>	79.8%	20.2%	598	78.5%	21.5%	158
	<b>PICKUP TRUCK</b>	69.6%	30.4%	680	65.4%	34.6%	182
<b>SEX</b>	<b>MALE</b>	76.1%	23.9%	1,754	65.0%	35.0%	326
	<b>FEMALE</b>	82.3%	17.7%	1,420	77.3%	22.7%	613
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	1
	<b>5 - 14</b>	-	-	-	70.8%	29.2%	113
	<b>15 - 25</b>	74.4%	25.6%	481	60.7%	39.3%	145
	<b>26 - 64</b>	78.6%	21.4%	2,270	72.5%	27.5%	494
	<b>65+</b>	85.0%	15.0%	413	85.2%	14.8%	183
<b>RACE</b>	<b>CAUCASIAN</b>	78.8%	21.2%	3,106	72.9%	27.1%	912
	<b>AFRICAN AMERICAN</b>	63.0%	37.0%	27	63.6%	36.4%	11
	<b>OTHER</b>	100.0%	-	19	90.0%	10.0%	10



## WILLIAMS COUNTY

As a 2010 Safe Communities grantee, Williams County seat belt use decreased between the baseline (82%) and the June 2010 survey (77%). The September 2010 results showed seat belt use increased to 90%, surpassing the 85% goal. Variation in the survey results and the number of observation sites and surveys suggests the protocol should be examined, revised if needed, and standardized. For instance, while an additional site was included during September 2010, the total sample of vehicles and occupants declined significantly.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN WILLIAMS COUNTY

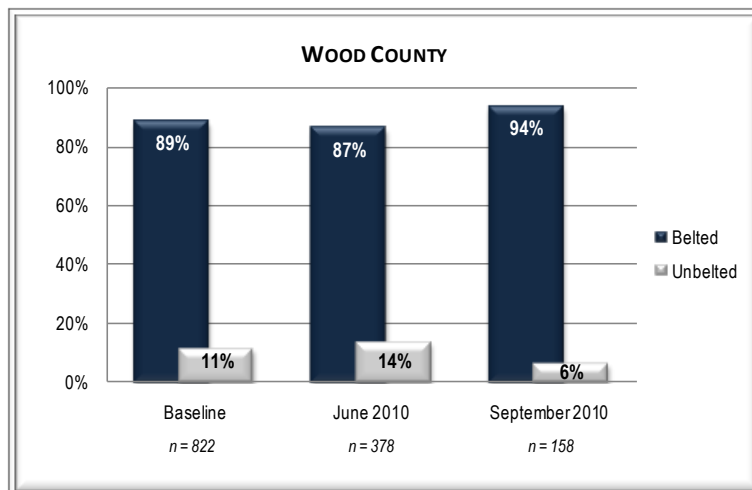
	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	19	2,901	3,280
<b>JUNE 2010</b>	19	2,990	3,229
<b>SEPTEMBER 2010</b>	20	1,986	2,353

### 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>		81.9%	18.1%	7,877	86.2%	13.8%	985
<b>SURVEY</b>	<b>BASILINE</b>	81.5%	18.5%	2,901	87.1%	12.9%	379
	<b>JUNE 2010</b>	76.9%	23.1%	2,991	77.7%	22.3%	238
	<b>SEPTEMBER 2010</b>	90.0%	10.0%	1,985	90.8%	9.2%	368
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	83.8%	16.2%	3,530	88.6%	11.4%	483
	<b>VAN/MINIVAN</b>	85.8%	14.2%	967	87.3%	12.7%	142
	<b>SUV</b>	85.5%	14.5%	1,267	87.9%	12.1%	165
	<b>PICKUP TRUCK</b>	74.8%	25.2%	2,088	78.2%	21.8%	193
<b>SEX</b>	<b>MALE</b>	78.8%	21.2%	3,733	80.8%	19.2%	317
	<b>FEMALE</b>	89.0%	11.0%	2,620	89.5%	10.5%	600
<b>AGE</b>	<b>0 - 4</b>	-	-	-	100.0%	-	7
	<b>5 - 14</b>	-	-	-	78.3%	21.7%	60
	<b>15 - 25</b>	77.1%	22.9%	699	75.0%	25.0%	148
	<b>26 - 64</b>	83.6%	16.4%	4,090	88.2%	11.8%	450
	<b>65+</b>	88.1%	11.9%	780	94.0%	6.0%	184
<b>RACE</b>	<b>CAUCASIAN</b>	83.5%	16.5%	5,272	87.2%	12.8%	814
	<b>AFRICAN AMERICAN</b>	85.2%	14.8%	27	66.7%	33.3%	6
	<b>OTHER</b>	84.9%	15.1%	53	75.0%	25.0%	8

## WOOD COUNTY

Wood County seat belt use by front seat occupants decreased slightly from the baseline survey (89%) to the June 2010 survey (87%). However, seat belt use during the September 2010 survey increased to 94%, well above the 85% usage rate goal. However, results for Wood County are based on a relatively small and varied sample of sites and observation surveys. Therefore, the Wood County survey protocol should be reviewed, adjusted, and standardized.



### TOTAL SITES, VEHICLES, AND OCCUPANTS OBSERVED IN WOOD COUNTY

	TOTAL SITES	TOTAL VEHICLES OBSERVED	TOTAL OCCUPANTS OBSERVED
<b>BASILINE</b>	7	648	822
<b>JUNE 2010</b>	3	318	378
<b>SEPTEMBER 2010</b>	3	154	158

### 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>		88.6%	11.4%	1,120	88.7%	11.3%	238
<b>SURVEY</b>	<b>BASILINE</b>	88.4%	11.6%	648	89.1%	10.9%	174
	<b>JUNE 2010</b>	86.2%	13.8%	318	88.3%	11.7%	60
	<b>SEPTEMBER 2010</b>	94.2%	5.8%	154	75.0%	25.0%	4
<b>VEHICLE TYPE</b>	<b>PASSENGER CAR</b>	89.4%	10.6%	548	92.7%	7.3%	110
	<b>VAN/MINIVAN</b>	88.2%	11.8%	127	85.3%	14.7%	34
	<b>SUV</b>	93.6%	6.4%	234	89.1%	10.9%	55
	<b>PICKUP TRUCK</b>	81.2%	18.8%	207	79.5%	20.5%	39
<b>SEX</b>	<b>MALE</b>	86.3%	13.7%	663	74.4%	25.6%	78
	<b>FEMALE</b>	91.9%	8.1%	456	96.2%	3.8%	158
<b>AGE</b>	<b>0 – 4</b>	-	-	-	50.0%	50.0%	2
	<b>5 – 14</b>	-	-	-	100.0%	-	20
	<b>15 – 25</b>	81.4%	18.6%	194	81.4%	18.6%	59
	<b>26 – 64</b>	90.0%	10.0%	829	89.0%	11.0%	118
	<b>65+</b>	90.6%	9.4%	96	97.3%	2.7%	37
<b>RACE</b>	<b>CAUCASIAN</b>	88.4%	11.6%	1,048	88.9%	11.1%	216
	<b>AFRICAN AMERICAN</b>	96.8%	3.2%	31	83.3%	16.7%	12
	<b>OTHER</b>	87.2%	12.8%	39	100.0%	-	9

## CONCLUSIONS

In summary, the 2010 OTSO Grantee Observation of Seat Belt Use had an overall un-weighted seat belt use rate of 78% at baseline and a seat belt usage rate of 77% during both the June and September 2010 surveys. Consequently, seat belt usage in the majority of OTSO grantee counties remained below the goal of 85% seat belt usage.

Ohio Traffic Safety Office grantees – especially Safe Communities – were hypothesized to have comparatively higher observed rates of seat belt use during the June 2010 survey than during the September 2010 survey. As previously stated, this outcome was expected since the June 2010 observation survey was concurrent with the national and statewide *Click It or Ticket Campaign* Earned Media, Paid Media, and Law Enforcement initiatives to increase seat belt use. Also, it was expected that counties with Safe Communities sponsored seat belt use initiatives would be better able than other OTSO grantees to maintain the positive effects of the *Click It or Ticket Campaign* through September 2010. Overall, ten grantee counties achieved the 85% seat belt use goal during June, including three Safe Communities grantee counties. During September, eight grantees achieved the 85% usage goal, including four Safe Communities grantee counties. As hypothesized, more of the grantee counties had comparatively higher observed rates of seat belt use during the June 2010 survey than during the September 2010 survey. Moreover, as expected, Safe Communities grantee counties were somewhat better able than other OTSO grantees to maintain the effects of the *Click It or Ticket Campaign* through September 2010; however, the difference was slight.

As emphasized throughout this report, it is imperative that grantees remember that observation survey results for each county varies as a function of grantee fidelity to the survey protocol. Therefore, in order to enhance fidelity, the complete survey methodology was presented to OTSO and its grantees for vetting, and subsequently revised, before, during, and after the first year of this OTSO initiative. In addition, *A Guidebook for Observing Occupant Restraint System Use and Misuse: Adapted for Ohio with Permission of the AAA Foundation for Traffic Safety* (Seufert, Kubilius, & Walton, 2006; from Decina & Lococo, 2005; and Eby, 2000) contains the complete survey protocol and resources, including the current Seat Belt Survey Site Description Form and Seat Belt Survey Data Collection Form. These resources are available at: [http://ohiohighwaysafetyoffice.ohio.gov/otso\\_grantee\\_info.stm](http://ohiohighwaysafetyoffice.ohio.gov/otso_grantee_info.stm). Consequently, in preparation for the 2011 OTSO observational survey, new grantee observers and continuing experienced observers should carefully review these resources. In addition to reproducing and using the available online forms, grantees and their observers should consult their designated OTSO Planner (see Appendix A) and/or the Miami University Applied Research Center director or staff for additional information or assistance throughout the survey period. Grantees are encouraged to personally report and document any protocol or methodological changes or problems on their Site Description Form. This will enable immediate corrective action during the survey. In conclusion, while multiple grantee counties achieved the goal of 85% seat belt use, much remains to be accomplished regarding seat belt use.

## REFERENCES

Decina, L.E. & Lococo, K.H. (2005). *A Guidebook for Observing Restraint System Use and Misuse*. Washington D.C.: AAA Foundation for Traffic Safety.

Eby, D.W. (2000). *How Often Do People Use Safety Belts in Your Community?* Ann Arbor, MI: The University of Michigan Transportation Research Institute.

Seufert, R.L., Walton, A.J., Kubilius, K.A. (2006). *A Guidebook for Observing Occupant Restraint System Use and Misuse: Adapted for Ohio with Permission of the AAA Foundation for Traffic Safety*, Washington D.C. Middletown, OH: Applied Research Center, Miami University.

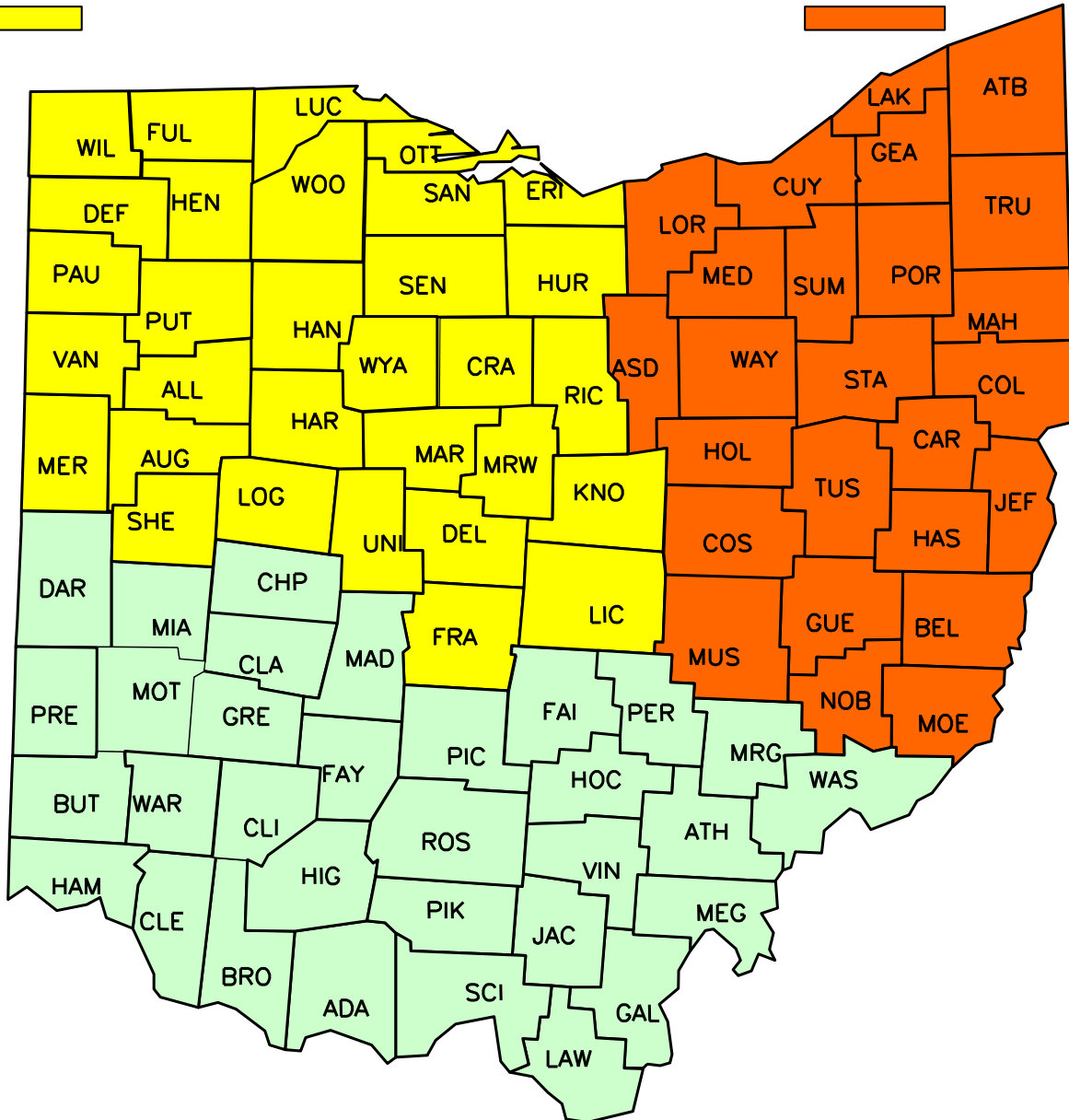
Seufert, R.L., Walton, A.J., Kubilius, K.A., & Newton, T.D. (2010). *Observational Survey of Seat Belt Use in Ohio 2010*. Middletown, OH: Applied Research Center, Miami University.

## **APPENDIX A**

Figure 1: FFY 2010 Planner Assigned Regions

Page 10 of 10

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