

**State of Delaware
Department of Health & Social Services
Division of Public Health
Family Health & Systems Management Section**

**Affordable Care Act Maternal, Infant and Early Childhood
Home Visiting Program Needs Assessment**

**Kent County & Sussex County
Evaluation**



DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health
MATERNAL AND CHILD HEALTH BUREAU

TABLE 1. DELAWARE & U.S. RESULTS FOR ALL INDICATORS					
Indicator	Measure			Delaware	U.S.
	Code	Numerator	Denominator		
Child Maltreatment	A1	Reported Substantiated Maltreatment	Total Population Age 0-17 Years	1.03%*	1.02%*
	A2	Reported Substantiated Maltreatment, Medical	Reported Substantiated Maltreatment	1.50%*	1.77%*
	A3	Reported Substantiated Maltreatment, Neglect	Reported Substantiated Maltreatment	41.4%*	64.7%*
	A4	Reported Substantiated Maltreatment, Physical	Reported Substantiated Maltreatment	17.4%*	14.3%*
	A5	Reported Substantiated Maltreatment, Psychological	Reported Substantiated Maltreatment	25.2%*	6.03%*
	A6	Reported Substantiated Maltreatment, Sexual	Reported Substantiated Maltreatment	7.77%*	8.57%*
Crime	B1	Reported Crimes	1,000 Residents	115 [†]	N/A
	B2	Crime Arrests Ages 0-18 Years	100,000 Age 0-18 Years	2,680 [†]	N/A
Domestic Violence	C	Domestic Violence Incidents, Criminal & Non-Criminal	1,000 Residents	33.1 [‡]	N/A
High School Completion	D	Residents Age 25 & Over Without High School Degree	Total Residents Age 25 & Over	17.5% [§]	N/A
Infant Mortality	E	Feto-Infant Deaths, Age Less Than 1 Year	1,000 Live Births	8.54 ^{**}	6.80 ^{**}
Low Birth Weight Infants	F	Live Births Less than 2500 Grams	Total Live Births	9.3% ^{**}	8.1% ^{**}
Poverty	G	Residents Below 100% FPL	Total Residents	10.3% ^{††}	13.2% ^{††}
Premature Birth	H	Live Births Before 37 Weeks	Total Live Births	13.8% ^{‡‡}	12.3% ^{‡‡}
Substance Abuse (among youth surveyed)	I1	Binge Alcohol Use in Past Month	Total Youth Surveyed	21.0% ^{§§}	24.2% ^{***}
	I2	Cocaine and/or Crack Use in Past Month	Total Youth Surveyed	0.5% ^{§§}	2.8% ^{***}
	I3	Marijuana Use in Past Month	Total Youth Surveyed	23.7% ^{§§}	20.8% ^{***}
Unemployment	J	Residents Age 16 & Over Unemployed & Seeking Work	Residents Age 16 in Workforce	8.2% ^{†††}	9.7% ^{†††}

* 2006-2008 data. U.S. Department of Health & Human Services, Administration on Children, Youth and Families, Children's Bureau.

† 2004-2008 data. Delaware Office of Management and Budget Statistical Analysis Center.

‡ 2004-2008 data. Delaware Health Statistics Center; Delaware Domestic Violence Coordinating Council.

§ 2000 census data. U.S. Census Bureau.

** 2003-2007 data. Delaware Health Statistics Center.

†† 2008 estimate. U.S. Census Bureau State & County QuickFacts.

‡‡ 2008 data. Kids Count Data Center; National Center for Health Statistics.

§§ 2009 data. Youth Risk Behavior Survey, 11th Grade Responses, University of Delaware Center for Drug and Alcohol Studies.

*** 2009 data. Youth Risk Behavior Surveillance System, CDC.

††† July 2009 data. U.S. Department of Labor, Bureau of Labor Statistics.

As described in the *2010 State of Delaware Home Visiting Needs Assessment*, the definition of each of the indicators requisite for conducting a home visiting assessment as well as the corresponding results for both Delaware and the nation is provided in **TABLE 1** (preceding page). Note that a “Code” field was added to allow for easy reference to the definition of an indicator when viewing the community level table (**TABLE 3**) in this document.

To conduct the statewide needs assessment, zip codes – the basic geographic unit of choice – were aggregated into “zones” in order to ensure a sizeable denominator size for proper indicator evaluation. **TABLE 2** presents each of the particular zones located in Kent and Sussex counties, the zip codes that comprise the zone, the major urban centers and towns within the zone, the total population of the zone, and the weighted median income calculated for the zone. Note that zone 15 has zip codes in both Kent and Sussex counties.

TABLE 2. DEFINITIONS & CHARACTERISTICS OF ZONES				
Zone	Zip Codes	Location	Population^{†††}	Weighted Median Income^{†††}
12: Kent	19904, 19938, 19955, 19977	Smyrna, West Dover	47,178	\$43,518
13: Kent	19901	East Dover	31,394	\$37,974
14: Kent	19934, 19943, 19953, 19962, 19964, 19979, 19980	Camden, Felton	31,445	\$44,784
15: Kent/Sussex	19941, 19942, 19946, 19950, 19952, 19954, 19960, 19963	Milford, Harrington	40,339	\$38,274
16: Sussex	19931, 19947, 19951, 19958, 19968, 19971	Georgetown, Lewes	47,230	\$41,659
17: Sussex	19933, 19940, 19956, 19973	Laurel, Seaford	46,809	\$36,301
18: Sussex	19930, 19939, 19944, 19945, 19966, 19967, 19970, 19975	Dagsboro, Millsboro	42,562	\$38,895

For each of the nine available indicators listed in **TABLE 1**, the three zones with the highest data measures were highlighted in bold font in **TABLE 3** on the following page. For example, for *High School Completion*, the data reported in zones 15, 17, and 18 were put in bold as these five zones had the highest percentages of individuals ages 25 and over without a high school degree.

^{†††} 2000 data. U.S. Census Bureau.

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TABLE 3. DELAWARE & ZIP CODE ZONE RESULTS FOR ALL INDICATORS, ZONES 12-18									
Indicator	Code	Delaware	ZIP Code Zone						
			Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 18
Child Maltreatment	A1	1.03%	0.58%	0.72%	0.62%	0.78%	0.70%	0.80%	0.88%
	A2	1.50%	--	--	--	--	--	--	--
	A3	41.4%	--	--	--	--	--	--	--
	A4	17.4%	--	--	--	--	--	--	--
	A5	25.2%	--	--	--	--	--	--	--
	A6	7.77%	--	--	--	--	--	--	--
Crime	B1	115	--	--	--	--	--	--	--
	B2	2,680	--	--	--	--	--	--	--
Domestic Violence	C	33.1	5.19%	5.00%	6.48%	3.59%	3.38%	4.96%	7.34%
High School Completion	D	17.5%	21.87%	16.24%	21.95%	23.67%	20.83%	26.76%	22.81%
Infant Mortality	E	8.54	6.67	10.49	7.13	8.03	6.88	7.49	9.52
Low Birth Weight Infants	F	9.3%	9.71%	10.42%	8.00%	8.19%	7.60%	8.35%	7.34%
Poverty	G	10.3%	9.79%	12.18%	8.66%	9.91%	9.86%	13.71%	7.99%
Premature Birth	H	13.8%	12.78%	13.38%	11.82%	13.08%	16.28%	13.59%	14.31%
Substance Abuse (among youth surveyed)	I1	21.0%	21.99%	22.00%	26.13%	23.15%	22.16%	18.07%	24.60%
	I2	0.5%	0.86%	2.00%	0.00%	0.22%	1.20%	1.10%	0.94%
	I3	23.7%	18.98%	25.00%	19.85%	22.24%	24.29%	20.65%	25.25%
Unemployment	J	8.2%	3.90%	3.22%	3.35%	3.09%	2.32%	3.25%	2.78%

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TABLE 4 displays the zones most frequently reporting data in the top three ranking by percentage or rate for the indicator. Given the number of sub-indicators listed for *Substance Abuse* – that is, codes I1, I2, and I3 – any zone that was ranked in the top five for least one of these sub-indicators was listed only once in **TABLE 4**. This was done to reduce overrepresentation of *Substance Abuse* when defining zones with high-risk.

TABLE 4. “AT-RISK” ZONES			
Zone	Location	Number of Indicators in Top Five Ranking	Indicators (By Code) in Top Five Ranking
17	Sussex: Laurel, Seaford	7	A, D, F, G, H, I, J
18	Sussex: Dagsboro, Millsboro	6	A, C, D, E, H, I
15	Kent/Sussex: Milford, Harrington	5	A, D, E, G, I

As indicated in the table above, the top three “at-risk” zones that have indicators in the top three ranking are almost exclusively in Sussex County. Moreover, the top zone listed above – zone 17 – also has the lowest median household income in Kent and Sussex counties as shown in **TABLE 2**. Of the zones not listed above, zone 13 had 4 indicators in the top three; zones 12 and 14 had 3 indicators in the top three; and zone 16 had 2 indicators in the top three.

Based on these preliminary results, it is suggested that interventions to address at-risk populations in Kent and Sussex counties focus on communities in southern Sussex county, namely zip codes 19933, 19940, 19956, and 19973. Interestingly, this zone is highly rural as compared to the at-risk zones in the Wilmington area uncovered in the statewide home visiting needs assessment. Finally, these zip codes and zones tend to be geographically close to one another, a fact that may assist in streamlining program development and implementation.