

Executive Summary

Maryland Home Visiting Needs Assessment

November 10, 2010

Introduction

The Maryland Department of Health and Mental Hygiene, Center for Maternal and Child Health conducted a State Home Visiting Needs Assessment in collaboration with the Maryland State Department of Education, the Alcohol and Drug Abuse Administration, the Maryland Family Network, and the Department of Juvenile Services. The needs assessment was conducted as outlined in the Patient Protection and Affordable Care Act and its guidance and includes information about home visiting and substance abuse treatment capacity. Data sources included several other needs assessments, state databases, and data received from stakeholders across the state.

Maryland is home to 5.6 million residents including 380,606 children ages 0-4, 370,292 children ages 5-9, and 1.2 million women of childbearing age. Maryland is a racially and ethnically diverse State with 42% of its population representing racial and ethnic population groups in 2008. There were more than 77,000 births in 2008, the majority (54%) of them to racial/ethnic minority mothers. Although one of the wealthiest States in the nation, Maryland's ranking on a number of key health related indicators varies from best (e.g., income and education) to among the worse (e.g., infant mortality and related risk factors). There are significant pockets of poverty in the State, namely in Baltimore City, on the Eastern Shore and in Western Maryland. Health disparities continue as a widespread problem across Maryland (e.g., the African American infant mortality rate is two to three times the White rate), exacting a significant toll on the State's overall health. The disparity gap reflects not only a lack of access to care for some Marylanders, but other factors including the social determinants of health.

Data Assessment

Maryland strove to find measures that would meet three key criteria for data. The data was to be available statewide (e.g., measured in the same way in all 24 jurisdictions). The data needed to utilize the finest granularity available (preferably census tract) and be the most recent available. As part of the needs assessment, Maryland identified communities that were at-risk using existing data and assessments and collected information about current home visiting programs and substance abuse services throughout the State using a systematic approach for looking at data and capacity. Maryland shared a preliminary analysis of indicators at a Home Visiting Stakeholders meeting and requested feedback on whether additional indicators would be useful. Two additional indicators were added as a result of these recommendations, 15 indicators were included (see **Table 1**).

Table 1. Key Indicators

Indicator	Measure
Premature birth, Low birth weight infants, Infant Mortality (including death due to neglect), or other indicators of prenatal, maternal, newborn, or child health risk	<ul style="list-style-type: none"> • Percent Preterm Births • Percent low birth weight infants • Infant Mortality Rate • Percent Late or No Prenatal Care • Teen Birth Rate
Poverty and Unemployment	<ul style="list-style-type: none"> • Percent of Families in Poverty • Percent Unemployed • WIC Participation Rate • Medicaid Enrollment Rate
Crime	<ul style="list-style-type: none"> • Crime Rate
Domestic Violence and Child Maltreatment	<ul style="list-style-type: none"> • Rate of Protective/Peace Orders • Child Abuse & Neglect Investigation Rate
High School Dropout Rate	<ul style="list-style-type: none"> • Percent HS Dropouts • Percent Ready to Enter School
Substance Abuse	<ul style="list-style-type: none"> • Substance Abuse Treatment Rate

Maryland defined elevated risk as a unit (census tract, ZIP code, or jurisdiction) with a rate that was substantially greater than the State average for that indicator. Rates that were greater than one standard deviation from the mean were considered elevated. Maryland’s analysis identified 368 potential communities at risk (having at least one elevated indicator). However, for the purposes of the needs assessment, Maryland focused on those communities in greatest need. Maryland defined communities at-risk as those with 10 or more elevated indicators. This resulted in a total of 46 communities at-risk, representing 6 jurisdictions (Baltimore City, Dorchester County, Washington County, Wicomico County, Prince George’s County, and Somerset County). **Attachment A** presents the data for the 46 highest risk communities.

Capacity Assessment

Maryland has identified the quality and capacity of existing programs/initiatives for early childhood home visiting in the State, including the number and types of programs and the numbers of individuals and families who are receiving services under such programs or initiatives; the gaps in early childhood home visiting in the State, including descriptions of underserved communities, where possible; and the extent to which such programs or initiatives are meeting the needs of eligible families. **Table 2** is a list of the evidence based program models in Maryland.

**Table 2
Federal and State Supported Home Visiting Programs in Maryland by Jurisdiction and Type**

Jurisdiction	Healthy Families	Early Head Start	HIPPY	PAT*	NFP	Other
Allegany County	X	X		X		
Anne Arundel Co.		X				
Baltimore City	X	X	X			Baltimore City Healthy Start
Baltimore County	X	X	X			
Calvert County	X		X	X		
Caroline County		X		X		
Carroll County				X		
Cecil County		X				
Charles County	X			X		
Dorchester County	X	X				
Frederick County	X					
Garrett County	X	X		X	X	
Harford County		X				
Howard County	X					
Kent County				X		
Montgomery Co.	X	X				
Prince George’s Co.	X					
Queen Anne’s Co.	X			X		
Somerset County	X			X		
Talbot County	X	X				
Washington County	X	X		X		
Wicomico County	X					
Worcester County	X		X	X		

* Note that there are only 2 stand alone PAT programs (Garrett and Somerset Counties as indicated by a red X). All remaining PAT is used as curriculum as part of another home visiting program.

Maryland Summary

- There are 46 identified communities at risk.
- Every local health department except St. Mary's and Harford County provide home visiting services to mothers and children.
- Head Start provides services to 1,247 children and families in 15 programs serving Baltimore City; and Baltimore, Allegany, Anne Arundel, Caroline, Cecil, Talbot, Dorchester, Garrett, Harford, Montgomery, and Washington Counties.
- There are two stand alone Parents As Teachers programs, but PAT curriculum can be found in over 50 programs statewide.
- There are 18 counties with Healthy Families programs serving over 757 families.

Now that Maryland has conducted a preliminary assessment of programs and home visiting capacity in the State and reviewed the data from the communities identified at risk, there are several next steps needed to develop the Comprehensive State Plan. Maryland will begin the self assessment process. Maryland has begun to assess detailed home visiting capacity and prioritized the 15 indicators as areas for improvement. In order to most completely address gaps in service and unmet needs, Maryland will engage each jurisdiction to complete a needs assessment to further determine needs and gaps in services.

Next Steps

Maryland grouped the State in four Tiers (**Attachment B**), Tier 1 being the communities most at-risk [10 or more indicators]. Tier 2 [7-9 indicators], Tier 3 [4-6 indicators], and Tier 4 [0-3 indicators] will be focused on in future grant years.

In developing the Comprehensive State Plan, each jurisdiction will be creating a plan specific to their at-risk communities. This information will identify gaps in services and assist in meeting the needs specific to each local community. As the State moves to action, it will be important to address capacity and gaps in EVERY jurisdiction so as funding becomes available, momentum of assisting our families at-risk will be continuous. This will provide clear direction on the needs of the communities and drive the course of the Comprehensive State Plan. Maryland plans to address the home visiting needs of eligible individuals in at-risk communities by submitting a Comprehensive State Plan for Section 2951 of the Patient Protection and Affordable Care Act.

Another important way Maryland is addressing early childhood is through the recently released Early Childhood Advisory State Plan (ECAC). The ECAC Plan is an effort to continue strengthening coordination for the State's Early Childhood Systems across State, local, public and private entities. Many of the agencies participating in the Home Visiting Needs Assessment were partners in developing the ECAC Plan. These agencies are all engaged in activities to complete the State Home Visiting Plan and will be partners in its implementation.

Attachment A. Communities At Risk (Tier One)

Jurisdiction	CSA/ Zipcode	Area Name	Percent Preterm ^a	Percent LBW ^b	Infant Mortality Rate ^c	Percent Families in Poverty ^d	Crime Rate ^e	Rate of Protective Orders ^f	Percent HS Drop- outs ^g	Percent Ready to Enter School ^h	Subst Abuse Trtmt Rate ⁱ	Percent Unem- ployed ^j	Abuse & Neglect Investig- ation Rate ^k	Percent Late or No PNC ^l	Teen Birth Rate ^m	WIC Partici- pation Rate ⁿ	Medicaid Enrollment Rate ^o	Total Number of Elevated Indicators ^p
Maryland Avg			11.2	9.3	7.9	9.5	4316.5	77.8	3.0	81.6	7.1	7.0	1.6	4.3	33.0	16.8	112.0	
Baltimore City	1	Irvington	17.7	18.9	30.6	51.1	*	107.7	7.1	64.0	52.6	10.2	8.7	9.8	119.4	51.7	483.8	14
Baltimore City	7	Cherry Hill	20.7	20.7	37.7	59.7	*	107.7	7.1	64.0	37.9	10.2	7.8	8.9	141.7	53.7	396.3	14
Baltimore City	21	Mondawmin	18.9	20.0	23.0	44.1	*	107.7	7.1	64.0	45.4	10.2	5.4	9.9	135.5	48.6	436.6	14
Baltimore City	23	Rosemont	18.8	20.0	27.6	45.7	*	107.7	7.1	64.0	52.6	10.2	5.7	10.6	135.5	51.7	483.8	14
Baltimore City	24	Greenmount	23.8	20.4	20.8	65.9	*	107.7	7.1	64.0	51.6	10.2	10.1	9.1	133.3	67.2	496.5	14
Baltimore City	33	Madison	18.5	16.8	28.7	57.2	*	107.7	7.1	64.0	51.6	10.2	10.1	8.0	137.8	67.2	487.8	14
Baltimore City	45	Pimlico	21.5	18.8	18.2	44.0	*	107.7	7.1	64.0	33.3	10.2	5.3	8.6	99.5	43.3	362.1	14
Baltimore City	47	Sandtown	21.9	20.0	27.6	56.5	*	107.7	7.1	64.0	52.6	10.2	6.2	8.2	200.0	51.7	483.8	14
Baltimore City	51	Southwest	21.2	19.7	32.6	58.8	*	107.7	7.1	64.0	52.6	10.2	9.1	9.3	125.0	51.7	483.8	14
Baltimore City	10	Clifton	23.8	20.4	*	57.2	*	107.7	7.1	64.0	51.6	10.2	10.1	11.5	137.8	67.2	496.5	13
Baltimore City	17	Walbrook	18.6	18.3	29.7	39.9	*	107.7	7.1	64.0	33.3	10.2	*	11.1	124.4	45.0	374.6	13
Baltimore City	30	Oldtown	23.3	25.6	*	68.0	*	107.7	7.1	64.0	51.6	10.2	8.8	8.1	200.0	67.2	487.8	13
Baltimore City	35	Midtown	20.0	20.4	*	65.9	*	107.7	7.1	64.0	45.4	10.2	8.8	7.7	133.3	48.6	436.6	13
Baltimore City	36	Midway	23.8	20.4	29.2	48.8	*	107.7	7.1	64.0	38.1	10.2	6.7	8.5	88.5	*	496.5	13
Baltimore City	42	Patterson Park	18.6	16.8	28.7	48.8	*	107.7	7.1	64.0	51.6	10.2	9.6	*	144.1	67.2	487.8	13
Baltimore City	46	Hollins Market	25.0	19.7	*	61.4	*	107.7	7.1	64.0	52.6	10.2	7.4	7.7	200.0	51.7	483.8	13
Baltimore City	49	Southeastern	18.6	15.9	13.2	71.8	*	107.7	7.1	64.0	23.3	10.2	5.0	*	129.0	44.4	277.6	13
Baltimore City	50	Park Heights	19.4	17.7	18.2	43.8	*	107.7	7.1	64.0	45.4	10.2	5.3	*	99.5	48.6	436.6	13
Baltimore City	53	Upton	21.9	18.3	26.0	65.6	*	107.7	7.1	64.0	52.6	10.2	7.0	*	200.0	51.7	483.8	13
Dorchester	21613	Cambridge	17.6	13.8	31.0	30.4	7124.7	*	*	66.0	28.9	10.7	6.5	9.2	123.9	45.0	315.6	13
Baltimore City	3	Edison	23.8	20.0	29.2	*	*	107.7	7.1	64.0	38.1	10.2	5.6	*	131.1	45.3	496.5	12
Baltimore City	4	Brooklyn	*	13.9	*	50.0	*	107.7	7.1	64.0	37.9	10.2	8.2	10.2	137.3	53.7	396.3	12
Baltimore City	9	Claremont	18.4	*	*	56.9	*	107.7	7.1	64.0	51.6	10.2	5.6	11.5	137.0	67.2	496.5	12
Baltimore City	13	Dorchester	18.6	17.7	*	43.8	*	107.7	7.1	64.0	33.3	10.2	*	14.1	99.5	45.0	374.6	12
Baltimore City	19	Charles Village	20.0	20.4	*	48.8	*	107.7	7.1	64.0	32.9	10.2	6.7	8.0	103.6	*	391.7	12
Baltimore City	43	Penn North	19.4	20.6	*	44.1	*	107.7	7.1	64.0	45.4	10.2	5.4	*	97.6	48.6	436.6	12
Baltimore City	44	Perkins	23.3	25.6	*	68.0	*	107.7	7.1	64.0	51.6	10.2	10.1	*	200.0	67.2	496.5	12
Baltimore City	54	Washington Village	25.0	20.7	*	47.9	*	107.7	7.1	64.0	52.6	10.2	8.7	*	141.7	51.7	483.8	12
Baltimore City	55	Westport	*	20.7	37.7	59.7	*	107.7	7.1	64.0	37.9	10.2	7.8	*	141.7	53.7	396.3	12
Washington	21740	Hagerstown	15.0	13.8	*	46.2	*	115.2	*	73.0	19.1	9.7	11.5	7.9	145.2	42.6	257.5	12
Wicomico	21801	Salisbury	16.6	15.5	16.1	42.3	10730.7	*	5.5	*	30.7	*	5.0	8.4	133.3	42.7	265.7	12
Baltimore City	6	Cedonia	18.0	16.9	22.8	41.3	*	107.7	7.1	64.0	*	10.2	*	*	89.9	45.3	496.5	11
Baltimore City	15	Edmonson Village	20.9	18.3	*	*	*	107.7	7.1	64.0	29.8	10.2	5.0	*	124.4	45.0	374.6	11
Baltimore City	27	Highlandtown	18.6	*	*	39.1	*	107.7	7.1	64.0	23.3	10.2	*	8.7	144.1	44.4	277.6	11
Baltimore City	31	Lauraville	20.6	19.0	26.7	*	*	107.7	7.1	64.0	*	10.2	*	7.3	89.9	45.3	496.5	11
Baltimore City	34	Hampden	20.0	*	*	43.8	*	107.7	7.1	64.0	45.4	10.2	5.1	*	99.5	48.6	436.6	11
Baltimore City	41	Highlandtown	*	*	*	71.8	*	107.7	7.1	64.0	51.6	10.2	7.4	7.7	144.1	67.2	496.5	11
Baltimore City	52	Waverlies	19.1	18.3	*	48.8	*	107.7	7.1	64.0	25.6	10.2	6.7	*	86.2	*	303.6	11
Prince Georges	20785	Hyattsville	17.7	16.5	38.0	33.8	*	109.6	*	68.0	*	*	3.6	22.1	111.9	35.2	259.9	11
Baltimore City	2	Beechfield	20.9	17.4	30.6	*	*	107.7	7.1	64.0	19.0	10.2	*	*	*	39.3	287.8	10
Baltimore City	14	Downtown	25.0	*	*	65.9	*	107.7	7.1	64.0	32.9	10.2	8.8	*	200.0	*	391.7	10
Baltimore City	16	Fells Point	*	*	24.0	*	*	107.7	7.1	64.0	32.9	10.2	*	15.4	200.0	44.4	287.7	10
Baltimore City	20	Govans	*	15.8	*	*	*	107.7	7.1	64.0	25.6	10.2	4.2	7.8	93.1	*	303.6	10
Prince Georges	20706	Lanham	16.3	*	18.4	28.6	6870.1	109.6	*	68.0	*	*	3.6	22.1	70.7	39.5	*	10
Prince Georges	20743	Capitol Heights	17.7	17.4	38.0	25.2	8584.0	109.6	*	68.0	*	*	3.2	14.2	75.2	*	*	10
Somerset	21817	Crisfield	16.3	14.0	19.9	34.6	*	*	*	22.8	9.4	6.3	*	74.1	41.1	314.5	10	

Appendix A1. Notes for Communities At-Risk

General

Each rate displayed represents the rate of the census tract or zip code with the highest rate within that neighborhood or zip code (or the rate for the jurisdiction for those metrics measured at the jurisdiction level).

CSA stands for community statistical area, and represents an aggregation of census tracts that Baltimore City uses to represent neighborhoods for programmatic and analysis purposes. Zip Codes are used in this assessment to represent communities for all other jurisdictions in Maryland.

* indicates that the rate for this indicator did not exceed one standard deviation above the mean

Indicators

- a. Percent Preterm: ($\# \text{ of births } < 37 \text{ weeks gestational age} / \text{total births}$) * 100
 - o Years represented: 2004-2008
 - o Measured at census tract level
 - o Source: MD DHMH, VSA
- b. Percent LBW: ($\# \text{ of births } < 2500 \text{ grams} / \text{total births}$) * 100
 - o Years represented: 2004-2008
 - o Measured at census tract level
 - o Source: MD DHMH, VSA
- c. Infant Mortality Rate: ($\# \text{ of infant } (< 1 \text{ yr}) \text{ deaths} / \text{total births}$) * 1,000
 - o Years represented: 2004-2008
 - o Measured at census tract level
 - o Source: MD DHMH, VSA
- d. Percent Families in Poverty: ($\# \text{ of families with children } (< 18 \text{ yrs}) \text{ with incomes below the poverty level} / \text{total \# of families with children } (< 18 \text{ yrs})$) * 100
 - o Year represented: 2000
 - o Measured at census tract level
 - o Source: MDP, US Decennial Census
- e. Crime Rate: ($\text{total offenses} / \text{total population}$) * 100,000
 - o Years represented: 2007-2008
 - o Measured at municipality and jurisdiction level
 - o Source: MD State Police, Uniform Crime Report
- f. Rate of Protective Orders (Domestic Violence): ($\# \text{ of protective and peace order filings} / \text{total population}$) * 10,000
 - o Years represented: 2008-2009
 - o Measured at jurisdiction level
 - o Source: MD Judiciary, MDP population estimates
- g. Percent HS Dropouts: ($\# \text{ of high school dropouts} / \text{total \# of high school students}$) * 100
 - o Years Represented: 2008-2009
 - o Measured at jurisdiction level
 - o Source: MSDE
- h. Percent Ready to Enter School: ($\# \text{ of children entering kindergarten ready to learn} / \text{total \# of children entering kindergarten}$) * 100
 - o Year Represented: 2009-2010 School Year
 - o Measured at jurisdiction level
 - o Source: MSDE
- i. Substance Abuse Treatment Rate: ($\# \text{ of women } (15-44 \text{ yrs}) \text{ receiving ADAA-funded treatment for substance abuse} / \text{total \# of women } (15-44 \text{ yrs})$) * 1,000
 - o Years Represented: 2004-2008 (2000 for population)
 - o Measured at Zip Code level
 - o Sources: MD DHMH, ADAA, MDP US Decennial Census
- j. Percent Unemployed: ($\# \text{ of adults seeking employment} / \# \text{ of adults in labor force}$) * 100
 - o Year Represented: 2009
 - o Measured at jurisdiction level
 - o Source: MDLLR
- k. Abuse & Neglect Investigation Rate: ($\# \text{ of indicated and unsubstantiated child abuse and neglect investigations} / \text{total population}$) * 1,000
 - o Years Represented: 2006-2009 (2000 for population)

- Measured at census tract level
- Sources: MD DHR, US Census Bureau
- l. Percent Late or No PNC: (# of births to women receiving late (3rd trimester) or no prenatal care / total births) * 100
 - Years represented: 2004-2008
 - Measured at census tract level
 - Source: MD DHMH, VSA
- m. Teen Birth Rate: (# of births to adolescents (15-19 yrs) / female population (15-19 yrs)) * 1,000
 - Years represented: 2004-2008 (2000 for population)
 - Measured at census tract level
 - Source: MD DHMH, VSA, US Census Bureau
- n. WIC Participation Rate: (# of people enrolled in WIC / total population) * 1,000
 - Years represented: 2005-2009 (2000 for population)
 - Measured at Zip Code level
 - Sources: MD DHMH, FHA, MDP US Decennial Census
- o. Medicaid Enrollment Rate: (# of people enrolled in Medicaid / total population) * 1,000
 - Years represented: 2005-2009 (2000 for population)
 - Measured at Zip Code level
 - Sources: MD DHMH, MA, MDP US Decennial Census
- p. Total Number of Elevated Indicators: # of indicators with at least one census tract/zip code or entire jurisdiction with a rate >1 standard deviation above the state mean (maximum=15)

Attachment B. Maryland Statewide Home Visiting Needs Assessment **At Risk Communities by Tier**

Tier 1: Hot Spots – Score: 10-14

(6 jurisdictions had at least one hot spot)

- Baltimore City (by CSA)
 - Irvington, Cherry Hill, Mondawmin, Rosemont, Greenmount, Madison, Pimlico, Sandtown, Slouthwest, Clifton, Walbrook, Oldtown, Midtown, Midway, Patterson Park, Hollins Market, Southeastern, Park Heights, Upton, Edison, Brooklyn, Claremont, Dorchester, Charles Village, Penn North, Perkins, Washington Village, Westport, Cedonia, Edmondson Village, Highlandtown, Lauraville, Hampden, Highlandtown, Waverlies, Beechfield, Downtown, Fells Point, Govans
- Dorchester County (by census tract overlaid with zipcodes)
 - Cambridge
- Washington County (by census tract overlaid with zipcode)
 - Hagerstown
- Wicomico County (by census tract overlaid with zipcode)
 - Salisbury
- Prince George’s County (by census tract overlaid with zipcode)
 - Hyattsville, Lanham, Capitol Heights
- Somerset County (by census tract overlaid with zipcode)
 - Crisfield

Tier 2 – Warm Spots – Score: 7-9

(9 jurisdictions had at least one warm spot)

- Baltimore County (by census tract overlaid with zipcodes)
 - Essex, Dundalk
- Allegany County (by census tract overlaid with zipcodes)
 - Cumberland
- Caroline County (by census tract overlaid with zipcodes)
 - Federalsburg
- Harford County (by census tract overlaid with zipcodes)
 - Aberdeen
- Baltimore City: Canton, Dickeyville, Echodale, Howard Park, Violetville, Belvedere, Cheswolde, Falstaff, Hamilton, Federal Hill, Northwood, South, Loch Raven
- Prince George’s County: Riverdale, Hyattsville, Bladensburg, Mount Rainier, Suitland, District Heights, Upper Marlboro
- Washington County: Hagerstown
- Dorchester County: Federalsburg, Hurlock
- Wicomico County: Salisbury

Tier 3: Cool Spots – Score: 4-6

(16 jurisdictions had at least one cool spot)

- Anne Arundel County (by census tract overlaid with zipcodes)
 - Brooklyn, Severn
- Charles County (by census tract overlaid with zipcodes)
 - Indian Head, La Plata
- Worcester County (by census tract overlaid with zipcodes)
 - Pocomoke City, Berlin, Snow Hill
- Frederick County (by census tract overlaid with zipcodes)
 - Frederick
- Montgomery County (by census tract overlaid with zipcodes)
 - Takoma Park, Gaithersburg, Silver Spring
- Cecil County (by census tract overlaid with zipcodes)
 - Elkton
- St. Mary's County (by census tract overlaid with zipcodes)
 - Park Hall
- Dorchester County: Linkwood, Vienna, Rhodesdale, Church Creek
- Harford County: Edgewood
- Baltimore County: 21206, Gwynn Oak, Halethorpe, Randallstown, 21224, 21229, 21235, Rosedale, Windsor Mill
- Baltimore City: Mt. Washington, Roland Park
- Caroline: Greensboro, Marydel, Denton, Henderson
- Prince George's County: Brentwood, Fort Washington, Oxon Hill, temple Hills, Greenbelt, Upper Marlboro, Beltsville, Clinton, College Park, Brandywine, Cheltenham, laurel, Bowie
- Somerset: Eden, Princess Anne
- Washington: Smithsburg, Cascade, Sabillasville, Williamsport
- Wicomico: Eden, Delmar, Fruitland

Tier 4: Rest of State – Score: 0-3

- Garrett County
- Talbot County
- Kent County
- Queen Anne's County
- Calvert County
- Howard County
- Carroll County