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Demographics, Social Determinants, and Health Care Access



The demographic composition of a population has a great impact on health. Changes in population size, age, race and ethnicity affect the health-care resources needed, the cost of care provided, and the conditions associated with each population group. Risks associated with health conditions vary across population subgroups with different demographics, along with disease burden. Thus, it is important to examine disease burden and health status of a population by demographic factors. Socioeconomic status (SES) is a combined total measure of an individual's economic and social position in relation to others, based on income, education, and occupation. SES is well known to be associated with the health of a population. The combinations and interplaying relationships of demographic, SES, and health care access play a crucial role in determining the health of a population.

Demographics

- In 2016, the County's population was over 1 million (Table 13).
- The sex distribution in the County is consistent over time and is like that of Maryland and the U.S. (Table 13).
- The County's population is aging over time; the age distribution of the County is similar to that of Maryland and the U.S. (Table 13).
- The County's population is getting more diverse over time; both the NH-Black and Hispanic populations have increased while the NH-White population is decreasing (Table 13).

Table 13. Percent Population Estimates by Selected Characteristics, Montgomery County, Maryland, and U.S., 2012-16

		2012	2013	2014	2015	2016		
		MoCo	MoCo	MoCo	MoCo	MoCo	MD	US
Total						1,043,863		
Sex	Male	48.2	48.2	48.2	48.2	48.4	48.5	49.2
	Female	51.8	51.8	51.8	51.8	51.6	51.5	50.8
Age Group	< 5	6.5	6.5	6.6	6.5	6.4	6.1	6.2
	5-17	17.2	17.1	17.0	17.0	17.0	16.3	16.6
	18-34	21.5	21.5	21.3	21.2	20.9	23.0	23.4
	35-64	41.9	41.7	41.4	41.3	41.1	40.1	38.6
	65+	12.9	13.3	13.7	14.1	14.5	14.6	15.2
Race/Ethnicity	NH-White	47.8	46.7	45.8	44.7	44.5	51.4	61.1
	NH-Black	16.7	17.0	17.4	17.6	17.8	29.3	12.3
	Asian/PI	14.2	14.2	14.7	14.9	14.8	6.2	5.4
	Hispanic	17.9	18.3	18.7	19.0	19.1	9.8	17.8

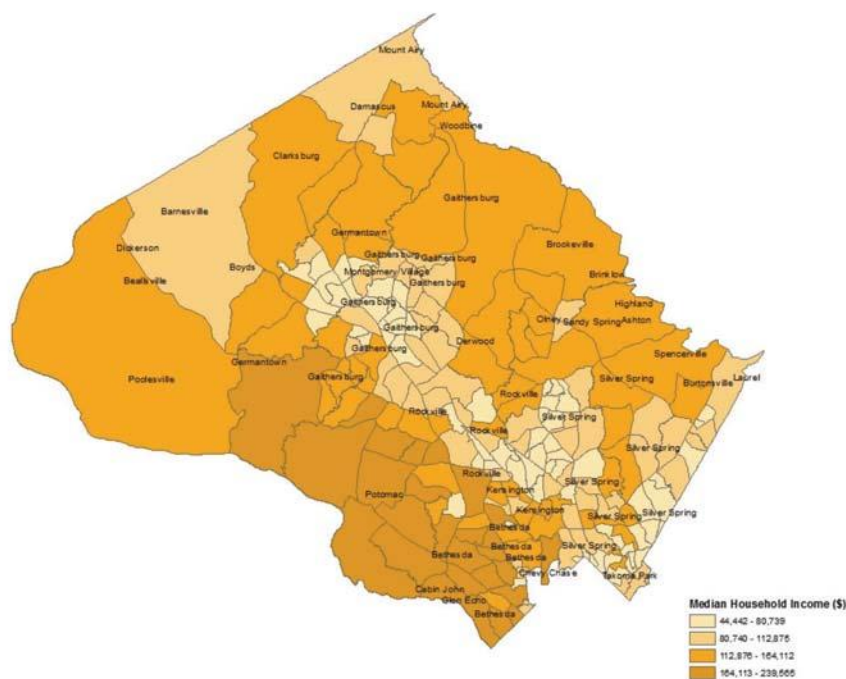
Social Determinants

- There is an increasing trend of percent families below poverty level in the County over time (Table 14).
- Among population subgroups, Asian/PI and Hispanic groups have increasing trends of percent families below poverty level, while NH-Black has decreasing trend; NH-Black and groups have much higher percent than NH-White and Asian/PI (Table 14).
- The overall percent families below poverty level in the County is lower than that in Maryland and much lower than the U.S. (Table 14).

Table 14. Percent Families below Poverty Level by Race/Ethnicity, Montgomery County, Maryland, and U.S., 2012-16

	2012	2013	2014	2015	2016		
	MoCo	MoCo	MoCo	MoCo	MoCo	MD	US
All	4.4	4.5	4.5	4.6	4.7	6.8	11.0
NH-White	1.9	2.0	1.8	1.8	1.8	4.0	6.9
NH-Black	9.5	9.6	9.3	8.8	8.9	11.6	22.3
Asian/PI	4.0	4.2	4.8	4.7	5.0	5.7	8.9
Hispanic	8.3	9.0	8.7	9.2	9.1	11.5	20.9

Map 1. Median Household Income by Census Tract, Montgomery County, 2016



- The overall unemployment rate in the County has decreased over time and is consistent across all race/ethnicity groups (Table 15).
- The unemployment rate in the County is lower than that of Maryland and the U.S. (Table 15).
- Among race/ethnicity groups, NH-Black and Hispanic groups have higher rates of unemployment than other population subgroups (Table 15).

Table 15. Unemployment Rate by Race/Ethnicity, Montgomery County, Maryland, and U.S., 2012-16

	2012	2013	2014	2015	2016		
	MoCo	MoCo	MoCo	MoCo	MoCo	MD	US
All	6.2	6.3	6.5	6.1	5.8	6.7	7.4
NH-White	4.3	4.5	4.5	4.2	4.0	5.0	5.9
NH-Black	10.8	10.8	11.4	10.3	9.9	10.2	13.3
Asian/PI	4.7	4.5	4.5	4.6	4.3	4.7	5.7
Hispanic	8.3	8.4	8.1	7.8	7.3	6.5	8.7

- The overall percent individuals with college education or higher in the County has increased over time and is consistent across all race/ethnicity groups (Table 16).
- The percent of individuals with college education or higher in the County is much higher than that in Maryland and the U.S. and is consistent across all race/ethnicity groups (Table 16).
- Among race/ethnicity groups, NH-White and Asian/PI groups have higher percentages of college education or higher than other population subgroups (Table 16).

Table 16. Percent Individuals with College Degree or Higher by Race/Ethnicity, Montgomery County, Maryland, and U.S., 2012-16

	2012	2013	2014	2015	2016		
	MoCo	MoCo	MoCo	MoCo	MoCo	MD	US
All	59.1	59.2	59.2	59.7	58.1	38.4	30.3
NH-White	68.3	69.0	69.5	70.4	70.7	43.3	33.8
NH-Black	42.2	42.0	42.2	42.1	43.4	27.8	20.0
Asian/PI	64.3	65.0	66.0	66.9	67.5	62.9	52.1
Hispanic	27.8	24.9	25.8	23.0	24.6	20.9	15.3

Health Care Access

- The overall percentage of individuals without health insurance in the County has decreased over time, similar to that in Maryland and the U.S. (Table 17).
- The percentage of individuals without health insurance in the County is similar to Maryland, but higher than the U.S. (Table 17).

Table 17. Percent Individuals without Health Insurance, Montgomery County, Maryland, and U.S., 2010-14

	2010	2011	2012	2013	2014
MoCo	13%	13%	13%	12%	10%
MD	13%	12%	12%	12%	9%
US*	11%	11%	11%	11%	8%

* 10th percentile



8.4% (95% CI: 4.9-12.0) adults age 18+ have no health insurance in Montgomery County, as compared to 8.7% (95% CI: 7.2-10.1) in Maryland



100% of persons with health insurance

- The overall Population/PCP (primary care physician) ratio in the County is consistently lower than Maryland and the U.S (Table 18).
- There is an overall decreasing trend of Population/PCP ratio in the County, similar to Maryland and the U.S. (Table 18).

Table 18. Population/PCP Ratio, Montgomery County, Maryland, and U.S., 2010-14

	2010	2011	2012	2013	2014
MoCo	731	729	741	720	720
MD	1153	1134	1131	1120	1130
US*	1067	1051	1045	1040	1040

* 90th percentile

** Source: County Health Ranking <http://www.countyhealthrankings.org/>

86.7% (95% CI: 83.1-90.2) of adults age 18+ have a PCP in Montgomery County, as compared to 85.2% (95% CI: 83.6-86.8) in Maryland.



74.5% (95% CI: 70.2 -78.9) of adults age 18+ visited a doctor for a routine checkup within the past year in Montgomery County, as compared to 76.2% (95% CI: 74.4-77.9) in Maryland.

81.3% (95% CI: 76.2 -86.4) of adults age 18+ had a dental visit within the past year in Montgomery County, as compared to 72.1% (95% CI: 69.4-74.7) in Maryland.



83.9% of persons had a usual PCP