

# **Jackson Hospital Community Health Needs Assessment**

Fiscal Year 2016



# JACKSON HOSPITAL AT A GLANCE

Jackson Hospital, located in Montgomery, Alabama, is a not-for-profit organization committed to improving the health of all members of its community by providing superior, patient-centered and cost-effective care in a safe, compassionate environment. With 344 licensed beds, Jackson Hospital provides comprehensive healthcare services, including cardiac, cancer, neurosciences, orthopedics, women's and children's care, and 24-hour emergency services.



# COMMUNITY OVERVIEW

For the purpose of this report, Jackson Hospital defined its community using the ZIP codes below. All ZIP codes fall within Montgomery County, Elmore County or Autauga County.

ZIP Code	Community
36003	Autaugaville
36006	Billingsley
36008	Booth
36013	Cecil
36020	Coosada
36022	Deatsville
36024	Eclectic
36025	Elmore
36036	Grady
36043	Hope Hull
36046	Lapine
36051	Marbury
36052	Mathews

ZIP Code	Community
36054	Millbrook
36064	Pike Road
36065	Pine Level
36066	Prattville
36067	Prattville
36069	Ramer
36078	Tallassee
36080	Titus
36092	Wetumpka
36093	Wetumpka
36104	Montgomery
36105	Montgomery
36106	Montgomery

ZIP Code	Community
36107	Montgomery
36108	Montgomery
36109	Montgomery
36110	Montgomery
36111	Montgomery
36112	Montgomery
36113	Montgomery
36114	Montgomery
36115	Montgomery
36116	Montgomery
36117	Montgomery
36749	Jones

# BACKGROUND

- The Patient Protection and Affordable Care Act (PPACA), enacted on March 23, 2010, requires not-for-profit hospital organizations to conduct a Community Health Needs Assessment (CHNA) once every three taxable years that meets the requirements of the Internal Revenue Code Section 501(r) set forth in the PPACA.
- A CHNA is a report based on epidemiological, qualitative and comparative methods that assesses the health issues in a hospital organization's community and that community's access to services related to those issues.
- Based on the findings of the CHNA, an implementation strategy for Jackson Hospital that addresses the community's health needs will be developed and adopted by the end of May 2017.

# CHNA STRATEGY

- This CHNA includes information from the following sources:
  - Input from persons who represented the broad interests of the community served by Jackson Hospital
  - Identifying federal, regional, state or local health or other departments or agencies, with current data or other information relevant to the health needs of the community served by Jackson Hospital
- Consultation or input from other persons located in and/or serving Jackson Hospital's community, such as:
  - Healthcare community advocates
  - Nonprofit organizations
  - Academic experts
  - Local government officials
  - Community-based organizations, including organizations focused on one or more health issues
  - Healthcare providers, including community health centers and other providers focusing on medically underserved populations, low-income persons, minority groups or those with needs arising from chronic disease

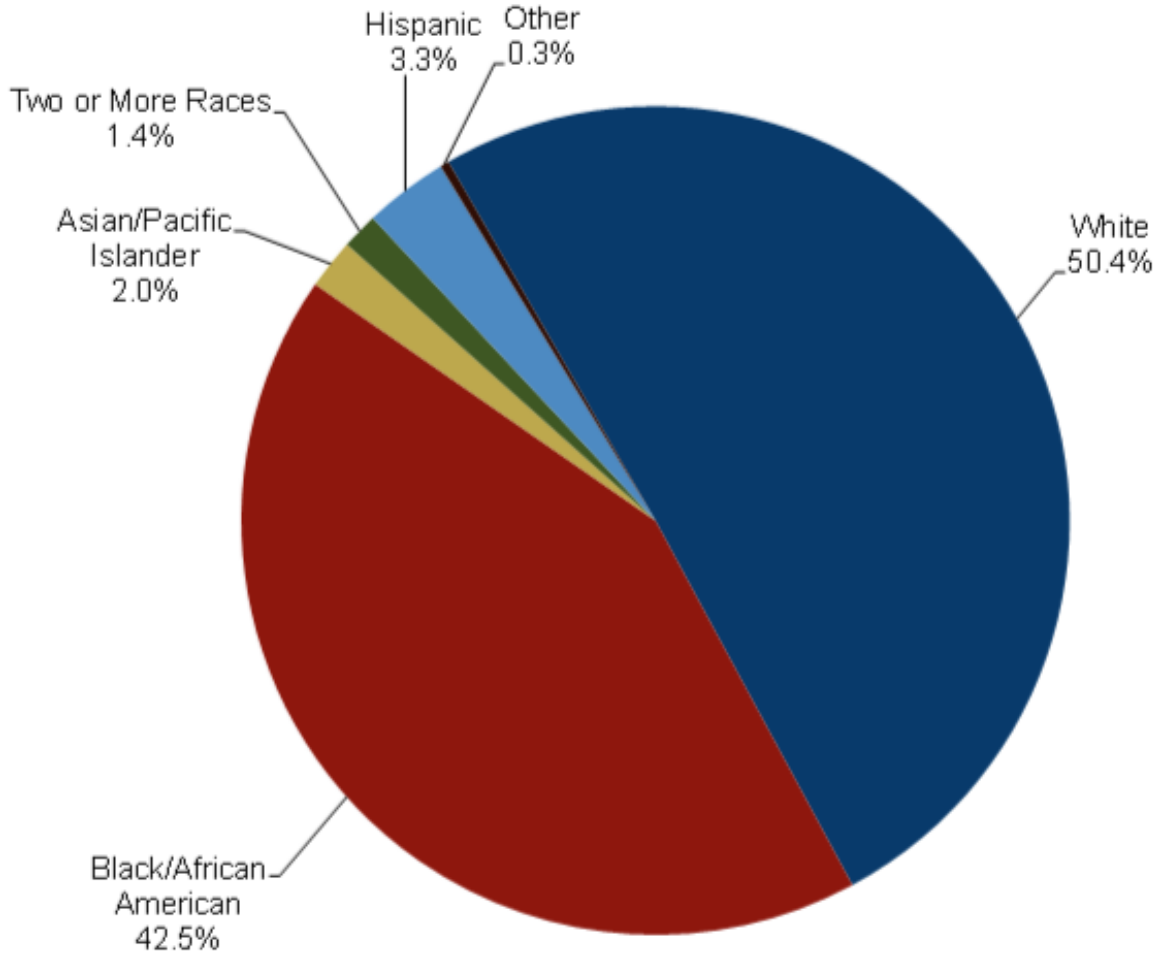
# SECONDARY DATA COLLECTION AND ANALYSIS METHODOLOGY

- A variety of data sources were utilized to gather demographic and health indicators for the community served by Jackson Hospital.
  - Intellimed
  - Alabama Department of Public Health
  - Centers for Disease Control and Prevention (CDC)
  - United States Census Bureau

# FINDINGS – DEMOGRAPHICS

- The overall projected population growth in Jackson Hospital's community is 1.8% over the next five years.
- The population of individuals ages 0-19 is expected to grow slightly, while individuals ages 20-44 and 45-64 are expected to decline slightly.
- Substantial population growth is expected for individuals 65 and older.

# RACIAL COMPOSITION – 2016





# POPULATION CHANGE BY RACE AND ETHNICITY 2015-2020

Race	2015	2020	Percent Change
White	190,405	185,696	-2.5%
Black/African American	160,592	168,211	4.7%
Asian/Pacific Islander	7,372	9,293	26.1%
Two or More Races	5,373	6,554	22.0%
Hispanic	12,389	13,078	5.6%
Other	1,296	1,291	-0.4%

Source: Esri 2016

# SOCIOECONOMIC CHARACTERISTICS

	Autauga County	Elmore County	Montgomery County	Alabama
Unemployment rate, 2016 annual average <sup>1</sup>	5.3%	5.1%	6.1%	<b>6.8%</b>
Median household income <sup>2</sup>	\$52,475	\$54,159	\$44,830	<b>\$43,511</b>
Individuals below poverty level <sup>2</sup>	12.8%	12.9%	22.0%	<b>18.9%</b>
Children below poverty level <sup>2</sup>	18.6%	18.9%	32.7%	<b>27.5%</b>

<sup>1</sup>Source: U.S. Bureau of Labor Statistics 2016 estimates

<sup>2</sup>Source: U.S. Census: ACS 2010–14 estimates

# HIGHEST LEVEL OF EDUCATION COMPLETED BY PERSONS 25 YEARS AND OLDER 2010-2014

	Autauga County	Elmore County	Montgomery County	Alabama
Less than a high school degree	13.8%	12.9%	15.0%	<b>16.3%</b>
High school degree or equivalent	33.5%	35.2%	26.3%	<b>31.1%</b>
Some college	22.9%	21.9%	21.4%	<b>22.0%</b>
Bachelor's degree	13.6%	13.4%	19.0%	<b>14.5%</b>
Graduate or professional degree	8.3%	8.0%	12.3%	<b>8.6%</b>

Source: U.S. Census: ACS 2010–2014 estimates

# SELECT EDUCATION INDICATORS 2014-2015

	Autauga County	Elmore County	Montgomery County	Alabama
Students approved for free or reduced lunch	49.1%	52.9%	53.8%	<b>52.5%</b>
High school graduation rate	90.0%	90.0%	79.0%	<b>89.0%</b>

Source: Alabama State Department of Education, 2014–2015

# VIOLENT CRIME RATES 2014

	Autauga County	Elmore County	Montgomery County	Alabama
Assault	163.5	145.6	236.3	<b>267.8</b>
Robbery	71.6	49.3	202.2	<b>92.4</b>
Rape	34.9	40.7	17.7	<b>39.0</b>
Homicide	3.7	1.2	15.5	<b>5.6</b>

Source: Alabama Criminal Justice Information Center: Crime in Alabama 2014

Rates are per 100,000 population

# OBESITY/OVERWEIGHT 2016

	Autauga County	Elmore County	Montgomery County	Alabama
Obesity	31.0%	30.0%	34.0%	<b>34.0%</b>
Physical Inactivity	29.0%	30.0%	28.0%	<b>29.0%</b>
Limited Access to Healthy Foods	10.0%	7.0%	11.0%	<b>8.0%</b>
Access to Exercise Opportunities	71.0%	68.0%	76.0%	<b>63.0%</b>

Sources: County Health Rankings and Roadmaps 2016

# MORTALITY INDICATORS, 2014

	Autauga County	Elmore County	Montgomery County	Alabama
Male life expectancy at birth, 2013 <sup>1</sup>	73.1	73.1	72.4	<b>72.4</b>
Female life expectancy at birth, 2013 <sup>1</sup>	78.4	78.4	79.6	<b>78.2</b>
All-cause mortality rate <sup>2</sup>	8.7	9.4	9.5	10.3

<sup>1</sup>Source: Institute for Health Metrics and Evaluation

<sup>2</sup>Source: ADPH: Alabama Vital Statistics 2014

Rates are per 1000 population

# LEADING CAUSES OF DEATH 2010-2014

	Autauga County	Elmore County	Montgomery County	Alabama
Heart Disease	207.6	250.7	191.9	<b>256.5</b>
Cancer	185.9	202.5	178.2	<b>212.1</b>
CLRD	72.2	69.2	59.2	<b>62.8</b>
Accidents (including motor vehicle)	48.7	54.3	41.1	<b>49.9</b>
Stroke	43.3	50.6	52.2	<b>54.6</b>
Alzheimer's disease	30.7	37.0	44.7	<b>38.8</b>
Diabetes	28.9	24.7	43.3	<b>26.3</b>
Influenza and pneumonia	19.9	8.6	11.5	<b>21.1</b>
Suicide	12.6	23.5	10.6	<b>14.7</b>
Homicide	1.8	3.7	18.6	<b>7.7</b>

Sources: ADPH - County Health Profiles 2014

Rates are per 100,000 population



# SELECT HEART DISEASE MORTALITY RATES 2011-2013

	Autauga County	Elmore County	Montgomery County	Alabama	United States
Coronary heart	93.8	78.6	78.9	<b>100.1</b>	<b>105.9</b>
Acute myocardial	37.1	27.6	23.5	<b>41.0</b>	<b>33.6</b>
Heart failure	107.2	106.4	99.5	<b>108.3</b>	<b>82.6</b>
Essential hypertension	147.8	116.7	149.5	<b>102.4</b>	<b>111.4</b>

Sources: CDC, Interactive Atlas of Heart Disease and Stroke Tables

Rates are per 100,000 population

# SELECT HEART DISEASE HOSPITALIZATION RATES FOR MEDICARE BENEFICIARIES AGED 65 AND OLDER 2011-2013

	<b>Autauga County</b>	<b>Elmore County</b>	<b>Montgomery County</b>	<b>Alabama</b>	<b>United States</b>
Coronary heart	19.3	16.7	13.6	<b>16.9</b>	<b>14.9</b>
Acute myocardial	9.2	8.6	7.0	<b>8.2</b>	<b>7.8</b>
Heart failure	17.7	17.4	16.2	<b>17.4</b>	<b>14.8</b>
Stroke	13.2	12.6	11.0	<b>13.8</b>	<b>11.1</b>
Hypertension	4.4	4.1	5.0	<b>3.8</b>	<b>3.1</b>

Sources: CDC, Interactive Atlas of Heart Disease and Stroke Tables

Rates are per 1,000 Medicare beneficiaries

# SELECT CANCER INCIDENCE RATES 2009-2013

	Autauga County	Elmore County	Montgomery County	Alabama
Prostate <sup>1</sup>	110.6	108.0	140.8	<b>139.1</b>
Breast <sup>2</sup>	150.8	121.8	125.9	<b>119.3</b>
Lung and Colorectal <sup>3</sup>	74.9	78.1	61.0	<b>71.3</b>
Pancreas <sup>3</sup>	46.2	45.3	47.9	<b>44.1</b>
Cervical <sup>2</sup>	12.1	13.6	13.8	<b>12.5</b>
	NA	13.2	10.6	<b>8.6</b>

Sources: National Cancer Institute: State Cancer Profiles

<sup>1</sup>Rates are per 100,000 males

<sup>2</sup>Rates are per 100,000 females

<sup>3</sup>Rates are per 100,000 population

\*Data suppressed to ensure confidentiality and stability of rate estimates

# SELECT CANCER MORTALITY RATES, 2011

	Autauga County	Elmore County	Montgomery County	Alabama
Lung and Breast <sup>2</sup>	59.3	66.1	49.9	<b>57.3</b>
Prostate <sup>3</sup>	19.9	19.0	22.2	<b>22.2</b>
Colorectal <sup>1</sup>	26.8	26.8	35.6	<b>25.2</b>
Pancreas <sup>1</sup>	20.7	16.3	24.8	<b>16.9</b>
Cervical <sup>2</sup>	16.3	12.3	12.5	<b>11.3</b>
	NA	NA	3.5	<b>3.1</b>

Sources: ADPH: County Health Profiles

<sup>1</sup>Rates are per 100,000 population

<sup>2</sup>Rates are per 100,000 females

<sup>3</sup>Rates are per 100,000 males

# REPORTED COMMUNICABLE DISEASE INCIDENCE RATES 2013

	Autauga County	Elmore County	Montgomery County	Alabama
Chlamydia	420.6	493.9	1,354.1	<b>590.7</b>
Gonorrhea	101.0	153.1	575.6	<b>156.9</b>
Syphilis	9.0	8.6	36.6	<b>10.9</b>
HIV	7.2	13.5	31.8	<b>14.0</b>
Tuberculosis	0.0	1.2	3.9	<b>2.7</b>

Source: ADPH – County Health Profiles

Rates are per 100,000 population

# REPORTED HEALTH STATUS, RISK FACTORS AND BEHAVIORS 2012

	Montgomery MMSA	Alabama	United States
Health status	21.5%	<b>25.0%</b>	<b>16.9%</b>
Exercise	72.9%	<b>72.8%</b>	<b>77.1%</b>
Current smoking	23.1%	<b>23.8%</b>	<b>19.6%</b>
Binge drinking	14.0%	<b>12.3%</b>	<b>16.9%</b>
Diagnosed diabete	14.5%	<b>12.3%</b>	<b>9.7%</b>
Obesity	33.2%	<b>33.0%</b>	<b>28.1%</b>

Source: SMART BRFSS  
Montgomery Counties

# MATERNAL AND CHILD HEALTH 2014

	Autauga County	Elmore County	Montgomery County	Alabama
Birth rate (per 1,000 population)	11.5	12.2	14.4	<b>12.3</b>
Teen birth rate (per 1,000 women aged 10-19)	10.8	16.2	19.0	<b>16.4</b>
Infant mortality rate (per 1,000 births)	7.8	5.1	9.5	<b>8.7</b>

Source: ADPH: Alabama Vital Statistics 2014

# HEALTH INSURANCE COVERAGE 2014

	Autauga County	Elmore County	Montgomery County	Alabama
Health Insurance Coverage	89.3%	89.3%	86.6%	<b>86.5%</b>
Private Insurance	72.7%	75.2%	63.5%	<b>65.4%</b>
Public Coverage	29.3%	28.3%	35.7%	<b>33.9%</b>
No Health Insurance Coverage	10.7%	10.7%	13.4%	<b>13.5%</b>
No Health Insurance Coverage (Chil	3.0%	5.0%	4.3%	<b>4.6%</b>

Source: U.S. Census: ACS 2014 estimates



# COMMUNITY LEADER INTERVIEWS

- The top health strengths:
  - Availability of care in the community, including FQHC's, case managers, and a strong network of providers
- The main health-related concerns:
  - Obesity, Smoking, Diabetes, Mental Health, Lack of Prenatal Care, and Substance Abuse issues
- Concern about the number of individuals in the community without health resources
- The FQHC in the community has a strong presence and a good partnership with Jackson Hospital
- Telemedicine would greatly assist with rural healthcare

# PHONE SURVEY CRITICAL ANALYSIS

- **Diabetes** was the most commonly mentioned concern
  - Many noted more diabetes education and workshops would be helpful. Others mentioned providing affordable exercise programs and focusing on the children in the community and their diets
- **Cancer** was the second most commonly mentioned concern
  - Many feel that research and treatment are the main efforts that can be done about cancer
- **Obesity** was the third most commonly mentioned concern
  - Many requested that there be more options for healthy eating in the community, as well as access to weight loss programs for children and adults. Lack of affordable care in the community was also mentioned several times.

# COMMUNITY HEALTH PRIORITIES

- The four health priorities identified through the CHNA:
  - Chronic Conditions
  - Diabetes
  - Obesity/Overweight
  - Maternal and Child Health

# CHRONIC CONDITIONS

- **Heart disease** is the leading cause of death in Elmore, Autauga, and Montgomery Counties
- The **chronic lower respiratory disease** mortality rate in Autauga County is significantly higher than the rate in the overall state of Alabama
- The **hypertension** hospitalization rates in Elmore, Autauga, and Montgomery Counties are higher than the overall rate in Alabama
- **Cancer** was the second most commonly mentioned health concern during community phone surveys. Respondents felt that the concern is getting worse over time
- The **breast cancer** incidence rate is higher in Elmore, Autauga, and Montgomery Counties when compared to Alabama
- The **colorectal cancer** mortality rate is higher in Autauga and Montgomery Counties when compared to Alabama

# DIABETES

- The diabetes mortality rate in Montgomery County is significantly higher than the rate in Alabama
- During community leader interviews, interviewees noted diabetes as one of their main health concerns
- The most commonly mentioned health concern during community phone surveys was diabetes
- Respondents feel that the concern is getting worse over time

# OBESITY

- The prevalence of obesity in Montgomery MSA is slightly higher than the percentage statewide
- Access to healthy foods in Autauga and Montgomery Counties is significantly limited compared to the rest of the state
- Obesity/being overweight was one of the most commonly mentioned health concern by phone survey participants
- Physical inactivity in Elmore county is higher than the entire state of Alabama
- The percentage of obese and overweight individuals is significantly higher than those of normal weight

# MATERNAL AND CHILD HEALTH

- The teen birth rate in Montgomery County is higher than the state rate
- The infant mortality rate is higher in Montgomery County when compared to the rate in Alabama
- Women in Autauga, Elmore, and Montgomery counties are less likely to receive prenatal care in the first trimester of their pregnancy when compared to other women in Alabama.
- Women in Montgomery County are less likely to receive adequate prenatal care during the course of their pregnancy when compared to women in Alabama
- Infants in Autauga and Montgomery Counties are more likely to be considered low birthweight births when compared to infants in Alabama

# NEXT STEPS

- Implementation strategy being developed (approval by May, 2017)
- Health improvement strategies implemented over next three years – reviewed annually