# Alabama

| Overall | -0.475 | 44   | 0.627      | -0.449 | 42   | -0.469 | 44   |
|---------|--------|------|------------|--------|------|--------|------|
| Metric  | Value  | Rank | No 1 State | Value  | Rank | Value  | Rank |
|         | 2016   | 2016 | 2016       | 2015   | 2015 | 2014   | 2014 |

#### Strenaths Challenges Low prevalence of excessive drinking Low health status High percentage of seniors with dedicated High prevalence of frequent mental provider Limited availability of home health care High prescription drug coverage workers **Behaviors** Smoking (% of adults aged 65+) 9.4 30 4.5 8.9 9.7 34 26 Excessive Drinking (% of adults aged 65+) 4.3 7 2.9 Obesity (% of adults 65+) 33 28.4 35 26.9 32 28.9 14.1 Underweight (% of adults aged 65+ in fair or better health) 44 29 2.0 0.7 1.7 30 1.7 Physical Inactivity (% of adults aged 65+ in fair or better health) 37 34.9 22 36 28.6 33.7 22.7 44 Dental Visit (% of adults aged 65+) 57.9 44 78.1 56.7 44 56.7 33 Pain Management (% of adults aged 65+ with arthritis) 50.3 5 53.2 50.3 5 50.4 Behaviors Total\* -0.037 32 0.205 0.016 23 -0.060 36 **Community & Environment** Poverty (% of adults aged 65+) 4.3 10.6 43 11.2 45 41 Volunteerism (% of adults aged 65+) 23.9 31 46.3 23.8 34 21.1 38 Nursing Home Quality (% of beds rated 4- or 5-stars) 47.1 19 62.9 46.6 18 57.7 6 Community & Environment--Macro Total\* -0.024 37 0.138 -0.017 33 -0.017 32 Home-Delivered Meals (participants as a % of adults aged 65+ in poverty) 17.3 33 101.3 17.3 35 48 Food Insecurity (% of adults aged 60+) 17.2 42 8.3 17.5 43 20.3 Community Support (dollars per adults aged 65+ in poverty) \$493 33 \$6,701 \$513 35 \$517 40 Community & Environment--Micro Total\* -0.028 41 0.192 -0.041 41 -0.080 48 0.290 -0.058 Community & Environment Total\* -0.052 38 35 -0.086 41 Low-Care Nursing Home Residents (% of residents) Prescription Drug Coverage (% of adults aged 65+) 31 4.1 14.5 35 35 12.7 14.5 10 88.0 5 86.0 88.4 88.4 5 Geriatrician Shortfall (% of required geriatricians) 45 45 25.8 81.1 76.6 45 81.1 SNAP Reach (participants as a % of adults aged 60+ in poverty) 51.9 36 124.4 69.8 27 Policy Total\* -0.062 36 0.204 -0.038 32 -0.035 33 **Clinical Care** Dedicated Health Care Provider (% of adults aged 65+) 96.0 96.9 95.3 95.5 16 16 Flu Vaccine (% of adults aged 65+) 16 70.7 62.9 24 Health Screenings (% of adults aged 65 to 74) 88.2 14 92.3 86.3 24 24 86.3 Recommended Hospital Care (% of hospitalized patients aged 65+) 97.4 29 98.7 95.8 43 98.6 8 Diabetes Management (% of Medicare beneficiaries aged 65 to 75) 81.8 20 86.2 80.7 23 79.7 29 Home Health Care (number of workers per 1,000 adults age 75+) 53.0 48 278.8 51.7 46 54.8 43 Preventable Hospitalizations (discharges per 1,000 Medicare beneficiaries) 65.4 45 24.4 71.5 43 76.4 42 Hospital Readmissions (% of hospitalized patients aged 65+) 14.6 22 12.4 15.0 23 15.3 18 Hospice Care (% of decedents aged 65+) 54.8 16 65.5 53.3 16 50.7 15 Hospital Deaths (% of decedents aged 65+) 24 2 44 153 25.7 45 27.8 40 **Clinical Care Total** 0.005 26 0.102 -0.026 37 0.001 23 All Determinants\* -0.146 40 0.428 -0.106 36 -0.180 39 Outcomes ICU Use (% of decedents aged 65+) 14.4 37 4.4 14.2 33 14.1 33 29 Falls (% of adults aged 65+) 29.4 20.6 29.1 29 29.1 29 Hip Fractures (hospitalizations per 1,000 Medicare beneficiaries) 48 7.9 48 8.8 47 7.4 3.1 Health Status (% of adults aged 65+ with very good or excellent health) 30.4 50 50.7 29.5 47 48 31.7 Able-bodied (% of adults aged 65+) 45 69.6 45 48 58.2 57.7 56.9 Premature Death (deaths per 100,000 adults aged 65 to 74) 46 2328.3 47 47 2306.7 1393.9 2403.0 45 Teeth Extractions (% of adults aged 65+) 22.2 6.4 23.6 43 23.6 43 Frequent Mental Distress (% of adults aged 65+) 9.4 48 4.7 49 -0.34 49 -0.29 48 All Outcomes\* -0.33 0.31 Supplemental Measures Education (% of adults aged 65+) 19.0 34.0 18.5 46 40 17.6 40 Clinical Overuse--Mammography 75+ 25.3 28 186 Clinical Overuse--PSA Test 75+ 24.2 49 11.5 Multiple Chronic Conditions (% of Medicare beneficiaries aged 65+) 41.0 43 22.0 39.8 39 36.8 38 Cognition (% of adults aged 65+) 47 49 11.4 11.6 46 12.4 6.3 Depression (% of adults aged 65+) 18.0 44 49 8.2 18.9 18.5 50 Suicide (deaths per 100,000 adults aged 65+) 18.0 31 7.6 18.0 33 16.8 33 NA= not available

<sup>\*</sup> Negative value denotes below US average; positive value denotes above US average

| Middle-Aged Cohort Health Estimates                                       | 1999 Prevalence (%) | 2014 Prevalence (%) | Change (%)** |
|---|---------------------|---------------------|--------------|
| Obesity (% of adults aged 50-74)  | 26.1                | 38.1                | 46.0         |
| Diabetes (% of adults aged 50-74)   | 11.4                | 19.7                | 72.8         |
| Smoking (% of adults aged 50-74)  | 34.3                | 23.7                | -30.9        |
| Health Status (% of adults aged 50-74 with very good or excellent health) | 41.2                | 36.5                | -11.4        |

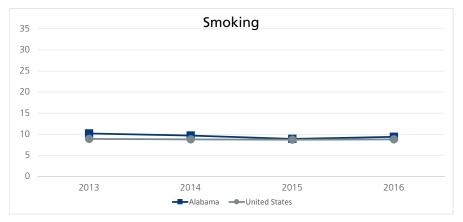
\*\*Percent change in prevalence from 1999 to 2014

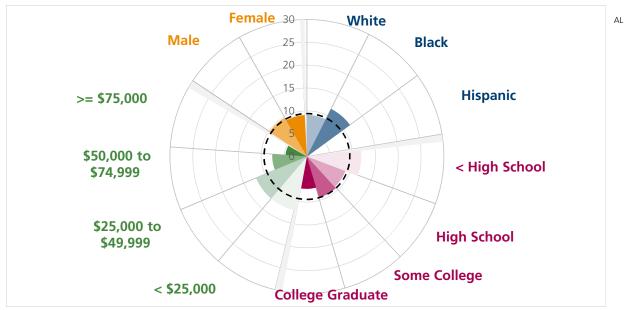
| Senior Projected Population Growth 2016 to 2030          | State (%) | US (%) |
|--|-----------|--------|
| Projected Total Population Growth - Seniors 65 and older | 41.6      | 49.5   |

Smoking Alabama

|         | % of ad | ults 65+ |
|---------|---------|----------|
| Edition | AL      | US       |
| 2013    | 10.2    | 8.9      |
| 2014    | 9.7     | 8.8      |
| 2015    | 8.9     | 8.7      |
| 2016    | 9.4     | 8.8      |
|         |         |          |

Percentage of adults aged 65 and older who are self-reported smokers (smoked at least 100 cigarettes in their lifetime and currently smoke every day or some days)





The figure shows the rate for each subpopulation as the distance a colored segment extends from the center. The dotted line shows the rate for the entire state. The greater the distance a segment is from the dotted line, the greater the inequity. If all were equal, the sunburst would be a perfect circle bordered by the dotted line.

#### Prevalence of Smoking 2016 (% of adults 65+)

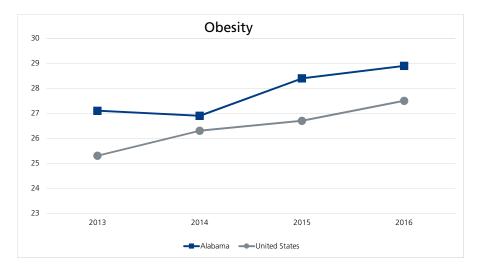
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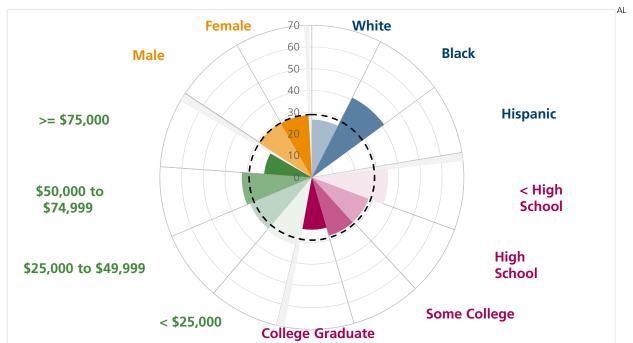
| Group                 | Value | 95% CI     | Min | Max  | Group                | Value | 95% CI     | Min | Max  |
|-----------------------|-------|------------|-----|------|----------------------|-------|------------|-----|------|
| Non-Hispanic White    | 9.1   | 7.6 - 10.6 | 4.0 | 12.6 | Less Than \$25,000   | 12.1  | 9.5 - 14.7 | 8.5 | 19.2 |
| Non-Hispanic Black    | 11.7  | 7.4 - 16.0 | 8.5 | 24.8 | \$25,000 to \$49,999 | 12.1  | 8.6 - 15.5 | 4.0 | 16.3 |
| Hispanic              | NA    | NA         | 0.4 | 14.3 | \$50,000 to \$74,999 | 7.6   | 3.8 - 11.4 | 2.6 | 11.2 |
|                       |       |            |     |      | \$75,000 or More     | 4.7   | 2.1 - 7.4  | 2.0 | 14.2 |
| Less Than High School | 11.9  | 8.3 - 15.5 | 6.3 | 24.1 |                      |       |            |     |      |
| High School Graduate  | 9.0   | 6.7 - 11.4 | 6.4 | 17.0 | Male                 | 9.8   | 7.5 - 12.2 | 5.0 | 13.5 |
| Some College          | 9.1   | 7.6 - 10.6 | 4.0 | 12.6 | Female               | 9.1   | 7.5 - 10.8 | 3.4 | 12.7 |
| College Graduate      | NA    | NA         | 0.4 | 14.3 |                      |       |            |     |      |
| Urban                 | 9.8   | 6.9 - 12.6 | 1.8 | 14.8 |                      |       |            |     |      |
| Suburban              | 8.7   | 5.7 - 11.7 | 3.8 | 14.0 |                      |       |            |     |      |
| Rural                 | 8.2   | 5.7 - 10.7 | 3.9 | 15.1 |                      |       |            |     |      |

Obesity Alabama

|         | % of ad | ults 65+ |
|---------|---------|----------|
| Edition | AL      | US       |
| 2013    | 27.1    | 25.3     |
| 2014    | 26.9    | 26.3     |
| 2015    | 28.4    | 26.7     |
| 2016    | 28.9    | 27.5     |

Percentage of adults aged 65 and older estimated to be obese (body mass index [BMI] of 30.0 or higher) based on self-reported height and weight





The figure shows the rate for each subpopulation as the distance a colored segment extends from the center. The dotted line shows the rate for the entire state. The greater the distance a segment is from the dotted line, the greater the inequity. If all were equal, the sunburst would be a perfect circle bordered by the dotted line.

#### Prevalence of Obesity 2016 (% of adults 65+)

31.1

| Group                 | Value | 95% CI      | Min  | Max  | Group                | Value | 95% CI      | Min  | Max  |
|-----------------------|-------|-------------|------|------|----------------------|-------|-------------|------|------|
| Non-Hispanic White    | 26.6  | 24.2 - 28.9 | 17.7 | 31.9 | Less Than \$25,000   | 31.9  | 27.9 - 35.9 | 15.3 | 38.0 |
| Non-Hispanic Black    | 41.2  | 35.4 - 46.9 | 24.8 | 68.0 | \$25,000 to \$49,999 | 31.0  | 26.2 - 35.9 | 11.7 | 35.3 |
| Hispanic              | NA    | NA          | 20.8 | 45.6 | \$50,000 to \$74,999 | 32.3  | 25.2 - 39.4 | 16.9 | 35.9 |
|                       |       |             |      |      | \$75,000 or More     | 22.0  | 16.5 - 27.4 | 13.8 | 33.7 |
| Less Than High School | 35.1  | 29.3 - 40.8 | 9.7  | 43.9 |                      |       |             |      |      |
| High School Graduate  | 27.9  | 24.4 - 31.4 | 18.1 | 34.5 | Male                 | 29.1  | 25.4 - 32.8 | 14.7 | 35.9 |
| Some College          | 28.0  | 24.0 - 32.0 | 13.4 | 34.1 | Female               | 28.7  | 26.1 - 31.3 | 13.6 | 33.8 |
| College Graduate      | 24.1  | 20.3 - 28.0 | 13.2 | 29.8 |                      |       |             |      |      |
| Urban                 | 27.9  | 23.9 - 31.9 | 12.2 | 33.2 |                      |       |             |      |      |
| Suburban              | 25.3  | 20.6 - 30.1 | 20.2 | 35.0 |                      |       |             |      |      |

36.5

11.6

26.9 - 35.2

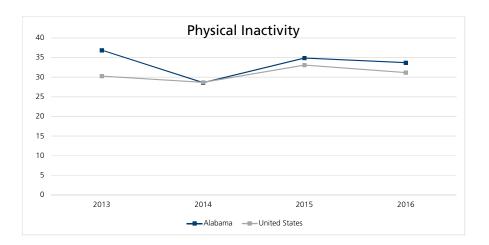
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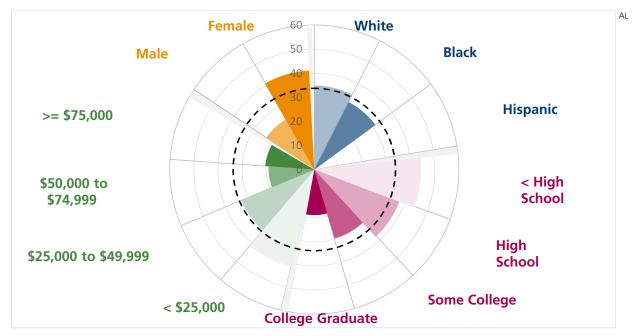
Rural

**Physical Inactivity** Alabama

|         | % of ad | ults 65+ |
|---------|---------|----------|
| Edition | AL      | US       |
| 2013    | 36.9    | 30.3     |
| 2014    | 28.6    | 28.7     |
| 2015    | 34.9    | 33.1     |
| 2016    | 33.7    | 31.2     |
|         |         |          |

Percentage of adults aged 65 and older with fair or better health status who self-report doing no physical activity or exercise other than their regular job in the last 30 days





The figure shows the rate for each subpopulation as the distance a colored segment extends from the center. The dotted line shows the rate for the entire state. The greater the distance a segment is from the dotted line, the greater the inequity. If all were equal, the sunburst would be a perfect circle bordered by the dotted line.

#### Prevalence of Physical Inactivity 2016 (% of adults 65+)

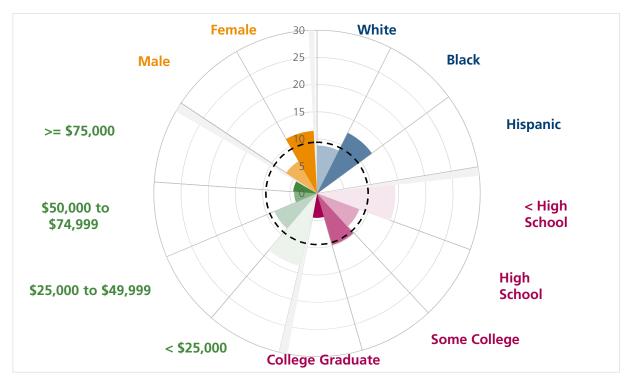
| Group                 | Value | 95% CI      | Min  | Max  | Group                | Value | 95% CI      | Min  | Max  |
|-----------------------|-------|-------------|------|------|----------------------|-------|-------------|------|------|
| Non-Hispanic White    | 34.8  | 32.3 - 37.2 | 21.1 | 41.5 | Less Than \$25,000   | 41.3  | 37.1 - 45.5 | 33.8 | 50.7 |
| Non-Hispanic Black    | 31.4  | 26.3 - 36.5 | 25.2 | 46.4 | \$25,000 to \$49,999 | 32.9  | 28.2 - 37.6 | 20.4 | 38.8 |
| Hispanic              | NA    | NA          | 24.2 | 52.5 | \$50,000 to \$74,999 | 19.0  | 13.5 - 24.4 | 12.7 | 35.8 |
|                       |       |             |      |      | \$75,000 or More     | 20.4  | 14.7 - 26.0 | 9.3  | 30.5 |
| Less Than High School | 44.3  | 38.5 - 50.0 | 31.1 | 55.4 |                      |       |             |      |      |
| High School Graduate  | 37.7  | 34.0 - 41.4 | 29.0 | 47.6 | Male                 | 23.9  | 20.6 - 27.2 | 18.1 | 39.1 |
| Some College          | 29.8  | 25.9 - 33.7 | 20.4 | 36.2 | Female               | 41.1  | 38.4 - 43.9 | 25.3 | 43.5 |
| College Graduate      | 18.9  | 15.5 - 22.2 | 10.8 | 24.9 |                      |       |             |      |      |
| Urban                 | 28.8  | 25.1 - 32.5 | 22.3 | 39.0 |                      |       |             |      |      |
| Suburban              | 37.7  | 32.4 - 43.0 | 21.0 | 43.8 |                      |       |             |      |      |
| Rural                 | 36.4  | 32.3 - 40.4 | 21.7 | 45.3 |                      |       |             |      |      |
|                       |       |             |      |      |                      |       |             |      |      |

NA= not available

|         | % of a | dults 65+ |
|---------|--------|-----------|
| Edition | AL     | US        |
| 2016    | 9.4    | 7.4       |

Edition 2016 - Percentage of adults aged 65 and older who self-report their mental health was not good 14 or more days during the past 30 days

ΑL



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# Prevalence of Frequent Mental Distress 2016 (% of adults 65+)

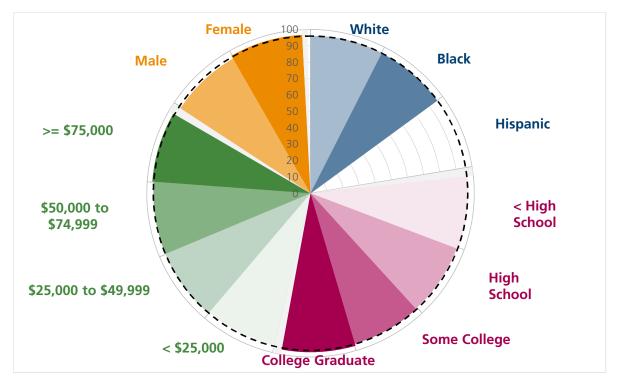
| Group                 | Value | 95% CI      | Min | Max  | Group                | Value | 95% CI      | Min | Max  |
|-----------------------|-------|-------------|-----|------|----------------------|-------|-------------|-----|------|
| Non-Hispanic White    | 8.8   | 7.4 - 10.3  | 3.6 | 9.8  | Less Than \$25,000   | 13.7  | 11.0 - 16.4 | 5.8 | 13.7 |
| Non-Hispanic Black    | 12.5  | 8.5 - 16.5  | 1.7 | 30.0 | \$25,000 to \$49,999 | 8.5   | 5.7 - 11.2  | 2.7 | 10.2 |
| Hispanic              | NA    | NA          | 4.3 | 16.4 | \$50,000 to \$74,999 | 4.2   | 1.9 - 6.5   | 1.2 | 9.1  |
|                       |       |             |     |      | \$75,000 or More     | 4.4   | 1.8 - 7.0   | 1.5 | 10.3 |
| Less Than High School | 14.4  | 10.3 - 18.4 | 4.3 | 21.9 |                      |       |             |     |      |
| High School Graduate  | 8.3   | 6.3 - 10.4  | 5.0 | 10.7 | Male                 | 6.8   | 4.8 - 8.7   | 3.7 | 9.2  |
| Some College          | 9.9   | 7.4 - 12.3  | 3.6 | 11.2 | Female               | 11.5  | 9.7 - 13.3  | 4.7 | 11.5 |
| College Graduate      | 4.5   | 2.9 - 6.1   | 2.2 | 9.1  |                      |       |             |     |      |
| Urban                 | 10.1  | 7.6 - 12.7  | 3.5 | 11.1 |                      |       |             |     |      |
| Suburban              | 9.4   | 6.0 - 12.8  | 3.4 | 10.2 |                      |       |             |     |      |
| Rural                 | 7.3   | 5.4 - 9.3   | 3.1 | 11.7 |                      |       |             |     |      |
|                       |       |             |     |      |                      |       |             |     |      |

NA= not available

% of adults 65+ Edition AL US 2016 96.0 94.3

Edition 2016 - Percentage of adults aged 65 and older who self-report having a personal doctor or health care provider

ΑL



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# Dedicated Health Care Provider 2016 (% of adults aged 65+)

95.2

93.6 - 96.8

83.4

| Group                 | Value | 85% CI      | Best | Worse |                      |      |             |      |      |
|-----------------------|-------|-------------|------|-------|----------------------|------|-------------|------|------|
| Non-Hispanic White    | 96.2  | 95.3 - 97.1 | 87.4 | 97.6  | Less Than \$25,000   | 95.4 | 93.8 - 96.9 | 82.1 | 96.5 |
| Non-Hispanic Black    | 95.9  | 93.7 - 98.1 | 82.9 | 97.7  | \$25,000 to \$49,999 | 96.1 | 94.5 - 97.7 | 77.6 | 97.9 |
| Hispanic              | NA    | NA          | 78.9 | 97.1  | \$50,000 to \$74,999 | 96.0 | 92.7 - 99.3 | 86.2 | 99.4 |
|                       |       |             |      |       | \$75,000 or More     | 96.9 | 94.7 - 99.0 | 88.4 | 99.1 |
| Less Than High School | 96.3  | 94.5 - 98.1 | 75.7 | 96.3  |                      |      |             |      |      |
| High School Graduate  | 95.4  | 93.8 - 97.1 | 86.8 | 97.6  | Male                 | 94.9 | 93.3 - 96.5 | 83.8 | 97.0 |
| Some College          | 95.8  | 94.1 - 97.4 | 87.4 | 98.1  | Female               | 96.9 | 96.1 - 97.7 | 87.3 | 97.9 |
| College Graduate      | 97.1  | 95.9 - 98.4 | 89.0 | 98.9  |                      |      |             |      |      |
| Urban                 | 96.1  | 94.4 - 97.7 | 89.4 | 100.0 |                      |      |             |      |      |
| Suburban              | 97.9  | 96.8 - 99.0 | 84.1 | 98.2  |                      |      |             |      |      |

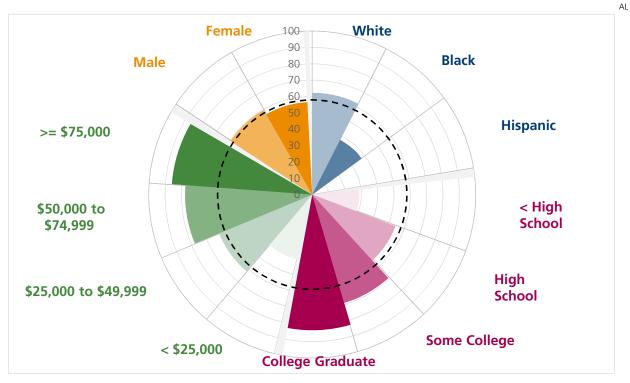
99.2

NA= not available

Dental Visit Alabama

% of adults 65+ Edition AL US 2016 57.9 65.7

Edition 2016 - Percentage of adults aged 65 and older who self-report visiting the dentist or dental clinic within the past year for any reason



The figure shows the rate for each subpopulation as the distance a colored segment extends from the center. The dotted line shows the rate for the entire state. The greater the distance a segment is from the dotted line, the greater the inequity. If all were equal, the sunburst would be a perfect circle bordered by the dotted line.

#### Dental Visit 2016 (% of adults aged 65+)

54.9

50.6 - 59.2

43.7

| Group                 | Value | 95% CI      | Min  | Max  | Group                | Value | 95% CI      | Min  | Max  |
|-----------------------|-------|-------------|------|------|----------------------|-------|-------------|------|------|
| Non-Hispanic White    | 62.3  | 59.7 - 64.9 | 49.9 | 79.9 | Less Than \$25,000   | 40.6  | 36.3 - 44.9 | 31.6 | 58.7 |
| Non-Hispanic Black    | 37.5  | 31.8 - 43.2 | 32.9 | 68.9 | \$25,000 to \$49,999 | 61.8  | 56.9 - 66.8 | 57.2 | 79.1 |
| Hispanic .            | NA    | NA          | 39.0 | 88.2 | \$50,000 to \$74,999 | 77.8  | 71.6 - 84.0 | 64.1 | 87.4 |
| •                     |       |             |      |      | \$75,000 or More     | 86.1  | 81.1 - 91.0 | 73.2 | 94.6 |
| Less Than High School | 28.9  | 23.4 - 34.4 | 22.4 | 61.0 |                      |       |             |      |      |
| High School Graduate  | 54.5  | 50.5 - 58.4 | 47.0 | 70.8 | Male                 | 59.7  | 55.7 - 63.7 | 47.1 | 75.2 |
| Some College          | 69.1  | 65.1 - 73.0 | 60.4 | 81.8 | Female               | 56.6  | 53.7 - 59.4 | 49.9 | 80.4 |
| College Graduate      | 83.0  | 79.7 - 86.4 | 77.7 | 90.9 |                      |       |             |      |      |
| Urban                 | 63.1  | 58.6 - 67.5 | 55.2 | 81.9 |                      |       |             |      |      |
| Suburban              | 57.9  | 52.3 - 63.4 | 49.2 | 79.5 |                      |       |             |      |      |

76.5

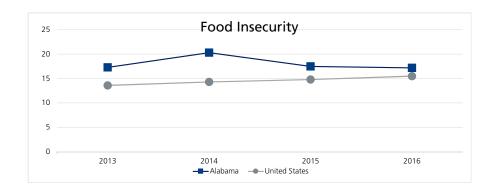
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Rural

#### **Food Insecurity**

|         | % of ad | ults 60+ |
|---------|---------|----------|
| Edition | AL      | US       |
| 2013    | 17.3    | 13.6     |
| 2014    | 20.3    | 14.3     |
| 2015    | 17.5    | 14.8     |
| 2016    | 17.2    | 15.5     |

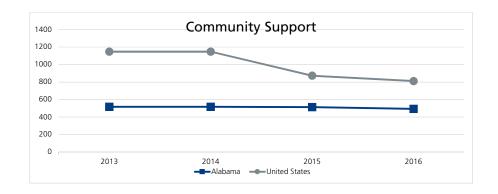
Percentage of adults aged 60 and older who face the threat of hunger in the last 12 months



## **Community Support**

dollars per adults aged 65+ in poverty
Edition AL US
2013 \$517 \$1,147
2014 \$517 \$1,147
2015 \$513 \$873
2016 \$493 \$811

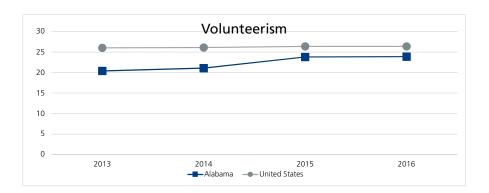
Total expenditures captured by the Administration on Aging per adult aged 65 and older living in poverty



#### Volunteerism

|         | % of ad | ults 65+ |
|---------|---------|----------|
| Edition | AL      | US       |
| 2013    | 20.4    | 26.0     |
| 2014    | 21.1    | 26.1     |
| 2015    | 23.8    | 26.4     |
| 2016    | 23.9    | 26.4     |

Percentage of adults aged 65 and older who report volunteering through or for an organization in the past 12 months

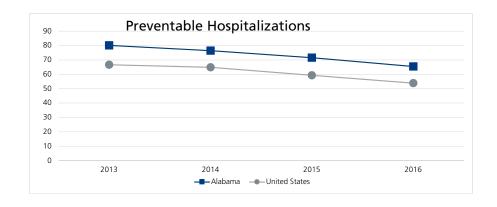


Clinical Care Alabama

# **Preventable Hospitalizations**

|         | discharges per 1000    |      |  |
|---------|------------------------|------|--|
|         | Medicare beneficiaries |      |  |
| Edition | AL                     | US   |  |
| 2013    | 80.1                   | 66.6 |  |
| 2014    | 76.4                   | 64.9 |  |
| 2015    | 71.5                   | 59.3 |  |
| 2016    | 65.4                   | 53.8 |  |

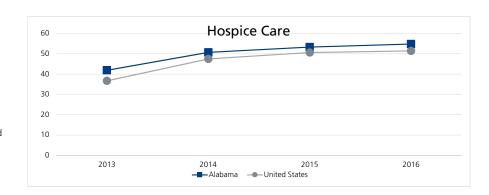
Number of discharges for ambulatory care-sensitive conditions per 1,000 Medicare beneficiaries



# **Hospice Care**

|         | % of ad | ults 65+ |
|---------|---------|----------|
| Edition | AL      | US       |
| 2013    | 41.9    | 36.7     |
| 2014    | 50.7    | 47.5     |
| 2015    | 53.3    | 50.6     |
| 2016    | 54.8    | 51.4     |

Percentage of decedents aged 65 and older who were enrolled in hospice during the last 6 months of life after diagnosis of condition with high probability of death



### **Hospital Deaths**

|         | % of ad | ults 65+ |
|---------|---------|----------|
| Edition | AL      | US       |
| 2013    | 33.5    | 30.1     |
| 2014    | 27.8    | 25.0     |
| 2015    | 25.7    | 22.8     |
| 2016    | 24.2    | 21.5     |

Percentage of decedents aged 65 and older who died in a hospital

