Livingston County
Community Health Assessment
Final Report
2013
Health Indicators –

Indicators Identified

1. General Population Description (slides 3-34)
2. Access to Health Care Service (slides 35-49)
3. Cancer (slides 50-59)
4. Diabetes (slides 60-69)
5. Environmental Health (slides 70-79)
6. Family Planning (slides 80-88)
7. Heart Disease and Stroke (slides 89-97)
8. HIV (slides 98-103)
9. Immunization and Infectious Diseases (slides 104-114)
10. Injury Prevention and Control (slides 115-141)
11. Maternal Child Health (slides 142-160)
12. Nutrition and Overweight (slides 161-174)
13. Oral Health (slides 175-188)
14. Physical Activity and Fitness Stroke (slides 189-196)
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19. Hearing (slides 238-243)
20. Emerging Health Issues (slides 244-255)
Indicator #1
General Population Description
## Livingston County

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median resident age</td>
<td>35.3 years</td>
</tr>
<tr>
<td>New York median age</td>
<td>35.9 years</td>
</tr>
<tr>
<td>Males</td>
<td>32,269</td>
</tr>
<tr>
<td>(as percentage of total)</td>
<td>50.2%</td>
</tr>
<tr>
<td>Females</td>
<td>32,059</td>
</tr>
<tr>
<td>(as percentage of total)</td>
<td>49.8%</td>
</tr>
</tbody>
</table>

http://www.city-data.com/county/Livingston_County
• White Non-Hispanic Alone (92.3%)
• Black Non-Hispanic Alone (2.6%)
• Hispanic or Latino (2.6%)
• Two or more races (1.1%)
• Asian alone (1.0%)

http://www.city-data.com/county/Livingston_County
## Livingston County

<table>
<thead>
<tr>
<th>Languages spoken at home</th>
<th>Liv Co %</th>
<th>New York</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>91</td>
<td>87.14%,</td>
<td>70.09%</td>
</tr>
<tr>
<td>Spanish</td>
<td>9</td>
<td>12.86%,</td>
<td>14.00%</td>
</tr>
<tr>
<td>Other Indo-European Languages</td>
<td>0</td>
<td>0.00%,</td>
<td>10.07%</td>
</tr>
<tr>
<td>Asian and Pacific Islander Languages</td>
<td>0</td>
<td>0.00%,</td>
<td>4.39%</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
<td>0.00%,</td>
<td>1.45%</td>
</tr>
</tbody>
</table>

*Based on 2006-2010 data.

Languages spoken at home

Based on 2006-2010 Census
## Age Distribution

<table>
<thead>
<tr>
<th>Population by Age</th>
<th>2000</th>
<th>2010</th>
<th>10 Year Change</th>
<th>% Change</th>
<th>% of Total Population for 2010</th>
<th>Group % of Total Pop for 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 5 years</td>
<td>3,505</td>
<td>3,198</td>
<td>-307</td>
<td>-8.8</td>
<td>4.9</td>
<td>5% Under 5 Years</td>
</tr>
<tr>
<td>5 to 9</td>
<td>4,137</td>
<td>3,505</td>
<td>-632</td>
<td>-15.3</td>
<td>5.4</td>
<td></td>
</tr>
<tr>
<td>10 to 14</td>
<td>4,552</td>
<td>3,941</td>
<td>-611</td>
<td>-13.4</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>15 to 19</td>
<td>6,141</td>
<td>5,680</td>
<td>-461</td>
<td>-7.5</td>
<td>8.7</td>
<td>20% School Age</td>
</tr>
<tr>
<td>20 to 24</td>
<td>5,832</td>
<td>6,383</td>
<td>551</td>
<td>9.4</td>
<td>9.8</td>
<td></td>
</tr>
<tr>
<td>25 to 29</td>
<td>3,460</td>
<td>3,469</td>
<td>9</td>
<td>0.3</td>
<td>5.3</td>
<td></td>
</tr>
<tr>
<td>30 to 34</td>
<td>4,230</td>
<td>3,191</td>
<td>-1,039</td>
<td>-24.6</td>
<td>4.9</td>
<td></td>
</tr>
<tr>
<td>35 to 39</td>
<td>5,439</td>
<td>3,493</td>
<td>-1,946</td>
<td>-35.8</td>
<td>5.3</td>
<td></td>
</tr>
<tr>
<td>40 to 44</td>
<td>5,457</td>
<td>4,430</td>
<td>-1,027</td>
<td>-18.8</td>
<td>6.8</td>
<td>32% Workforce 20-44</td>
</tr>
<tr>
<td>45 to 49</td>
<td>4,801</td>
<td>5,336</td>
<td>535</td>
<td>11.1</td>
<td>8.2</td>
<td></td>
</tr>
<tr>
<td>50 to 54</td>
<td>4,127</td>
<td>5,364</td>
<td>1,237</td>
<td>30</td>
<td>8.2</td>
<td></td>
</tr>
<tr>
<td>55 to 59</td>
<td>3,011</td>
<td>4,563</td>
<td>1,552</td>
<td>51.5</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>60 to 64</td>
<td>2,308</td>
<td>3,855</td>
<td>1,547</td>
<td>67</td>
<td>5.9</td>
<td>29% Workforce 45-64</td>
</tr>
<tr>
<td>65 to 69</td>
<td>2,105</td>
<td>2,711</td>
<td>606</td>
<td>28.8</td>
<td>4.1</td>
<td></td>
</tr>
<tr>
<td>70 to 74</td>
<td>1,799</td>
<td>2,018</td>
<td>219</td>
<td>12.2</td>
<td>3.1</td>
<td></td>
</tr>
<tr>
<td>75 to 79</td>
<td>1,466</td>
<td>1,671</td>
<td>205</td>
<td>14</td>
<td>2.6</td>
<td></td>
</tr>
<tr>
<td>80 to 84</td>
<td>1,038</td>
<td>1,297</td>
<td>259</td>
<td>25</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>85 yrs and older</td>
<td>920</td>
<td>1,288</td>
<td>368</td>
<td>40</td>
<td>2</td>
<td>14% Over 65</td>
</tr>
<tr>
<td>Total</td>
<td>64,328</td>
<td>65,393</td>
<td>1,065</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau
Income

• Median family income
  – Livingston County $50,094
  – NYS $54,047

## Occupations in Livingston County

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management, business, science, and arts occupations</td>
<td>32.6</td>
</tr>
<tr>
<td>Service occupations</td>
<td>18</td>
</tr>
<tr>
<td>Sales and office occupations</td>
<td>23.8</td>
</tr>
<tr>
<td>Natural resources, construction, and maintenance occupations</td>
<td>12.7</td>
</tr>
<tr>
<td>Production, transportation, and material moving occupations</td>
<td>12.9</td>
</tr>
</tbody>
</table>

Source: US Census 2010
Percentage of population at or below poverty level as of July 2012

Livingston County 13.5
NYS 15

Source: NYSDOH
# Poverty Status

<table>
<thead>
<tr>
<th>Table 7: Poverty Status for the Genesee Finger Lakes Region, New York State and the United States</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Population</strong></td>
</tr>
<tr>
<td><strong>Watch Living in Poverty</strong></td>
</tr>
<tr>
<td>1999</td>
</tr>
<tr>
<td>Genesee</td>
</tr>
<tr>
<td>Livingston</td>
</tr>
<tr>
<td>Monroe</td>
</tr>
<tr>
<td>Ontario</td>
</tr>
<tr>
<td>Orleans</td>
</tr>
<tr>
<td>Seneca</td>
</tr>
<tr>
<td>Wayne</td>
</tr>
<tr>
<td>Wyoming</td>
</tr>
<tr>
<td>Yates</td>
</tr>
<tr>
<td>G-FL Region</td>
</tr>
<tr>
<td>New York</td>
</tr>
<tr>
<td>United States</td>
</tr>
</tbody>
</table>

## Economic Security: Livingston County

<table>
<thead>
<tr>
<th>Indicator(s)</th>
<th>Base Year</th>
<th>Current Year</th>
<th>NYS Current</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Children and Youth Living Below Poverty,</strong></td>
<td>1,660</td>
<td>2,071</td>
<td>22.8</td>
</tr>
<tr>
<td>number and percent children/youth ages birth-17 years (2005;2011)</td>
<td>13.1</td>
<td>16.5</td>
<td></td>
</tr>
<tr>
<td>Data Sources</td>
<td>Narrative</td>
<td>Indicator Report</td>
<td></td>
</tr>
<tr>
<td><strong>Children and Youth Receiving Public Assistance,</strong></td>
<td>530</td>
<td>504</td>
<td>7.0</td>
</tr>
<tr>
<td>number and percent children/youth ages birth-17 years (2005;2011)</td>
<td>4.0</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>Data Sources</td>
<td>Narrative</td>
<td>Indicator Report</td>
<td></td>
</tr>
<tr>
<td><strong>Children and Youth Receiving Supplemental Nutrition Assistance Program Benefits,</strong></td>
<td>1,585</td>
<td>2,421</td>
<td>27.5</td>
</tr>
<tr>
<td>number and percent children/youth ages birth-17 years (2005;2011)</td>
<td>12.0</td>
<td>19.0</td>
<td></td>
</tr>
<tr>
<td>Data Sources</td>
<td>Narrative</td>
<td>Indicator Report</td>
<td></td>
</tr>
<tr>
<td><strong>Children and Youth Receiving Supplemental Security Income,</strong></td>
<td>162</td>
<td>230</td>
<td>2.1</td>
</tr>
<tr>
<td>number and percent children/youth ages birth-19 years (2000;2011)</td>
<td>0.9</td>
<td>1.4</td>
<td></td>
</tr>
<tr>
<td>Data Sources</td>
<td>Narrative</td>
<td>Indicator Report</td>
<td></td>
</tr>
<tr>
<td><strong>Children Receiving Free or Reduced-price School Lunch - Public Schools,</strong></td>
<td>1,355</td>
<td>1,449</td>
<td>52.4</td>
</tr>
<tr>
<td>number and percent children in grades K-6 (2004/05;2010/11)</td>
<td>28.8</td>
<td>34.1</td>
<td></td>
</tr>
</tbody>
</table>

Source: www.nyskwic.org
Indicator #1 General Population Description
Economic Data
Eligible for Free Lunch Program in Schools

Eligibility is determined by the family’s income. If the family’s income is:
- At or below 130 percent of the poverty level, the child is eligible for free meals
- Between 130 and 185 percent of the poverty level, the child is eligible for reduced-price meals
- Over 185 percent of the poverty level, the child is not eligible and must pay full price

Source: NYS School Report Card
In Livingston County, 8.4% of women and 9.4% of men report a disability as compared to 8.5% and 8.6%, respectively, statewide.

Source: New York Makes Work Pay (NYMWP)
Disability among adults

Livingston County  19.8

NYS        22.9

Source: BRFSS, 2009
## Population Change by Community: 2000-2010

<table>
<thead>
<tr>
<th>Geographic area</th>
<th>Total population</th>
<th>Total population</th>
<th>Change</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livingston County</td>
<td>64,328</td>
<td>65,393</td>
<td>1065</td>
<td>1.70%</td>
</tr>
<tr>
<td>Genesee town</td>
<td>9,654</td>
<td>10,483</td>
<td>829</td>
<td>8.60%</td>
</tr>
<tr>
<td>Avon town</td>
<td>6,443</td>
<td>7,164</td>
<td>721</td>
<td>11.20%</td>
</tr>
<tr>
<td>Livonia town</td>
<td>7,286</td>
<td>7,809</td>
<td>523</td>
<td>7.20%</td>
</tr>
<tr>
<td>Livonia town outside of village</td>
<td>5,913</td>
<td>6,400</td>
<td>487</td>
<td>8.20%</td>
</tr>
<tr>
<td>Genesee village</td>
<td>7,579</td>
<td>8,031</td>
<td>452</td>
<td>6.00%</td>
</tr>
<tr>
<td>Avon village</td>
<td>2,977</td>
<td>3,394</td>
<td>417</td>
<td>14.00%</td>
</tr>
<tr>
<td>Genesee town outside of village</td>
<td>2,075</td>
<td>2,452</td>
<td>377</td>
<td>18.20%</td>
</tr>
<tr>
<td>Avon town outside of village</td>
<td>3,466</td>
<td>3,770</td>
<td>304</td>
<td>8.80%</td>
</tr>
<tr>
<td>York town</td>
<td>3,219</td>
<td>3,397</td>
<td>178</td>
<td>5.50%</td>
</tr>
<tr>
<td>Conesus town</td>
<td>2,353</td>
<td>2,473</td>
<td>120</td>
<td>5.10%</td>
</tr>
<tr>
<td>Springwater town</td>
<td>2,322</td>
<td>2,439</td>
<td>117</td>
<td>5.00%</td>
</tr>
<tr>
<td>Lima town outside of village</td>
<td>2,082</td>
<td>2,166</td>
<td>84</td>
<td>4.00%</td>
</tr>
<tr>
<td>Nunda town</td>
<td>3,017</td>
<td>3,064</td>
<td>47</td>
<td>1.60%</td>
</tr>
<tr>
<td>Nunda village</td>
<td>1,330</td>
<td>1,377</td>
<td>47</td>
<td>3.50%</td>
</tr>
<tr>
<td>Ossian town</td>
<td>751</td>
<td>789</td>
<td>38</td>
<td>5.10%</td>
</tr>
</tbody>
</table>
### Population Change by Community: 2000-2010

<table>
<thead>
<tr>
<th>Community</th>
<th>2000 Population</th>
<th>2010 Population</th>
<th>Change</th>
<th>Percentage Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portage town</td>
<td>859</td>
<td>884</td>
<td>25</td>
<td>2.90%</td>
</tr>
<tr>
<td>Mount Morris town outside of village</td>
<td>1,464</td>
<td>1,479</td>
<td>15</td>
<td>1.00%</td>
</tr>
<tr>
<td>West Sparta town</td>
<td>1,244</td>
<td>1,255</td>
<td>11</td>
<td>0.90%</td>
</tr>
<tr>
<td>Nunda town outside of village</td>
<td>1,687</td>
<td>1,687</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Leicester village</td>
<td>469</td>
<td>468</td>
<td>-1</td>
<td>-0.20%</td>
</tr>
<tr>
<td>Sparta town</td>
<td>1,627</td>
<td>1,624</td>
<td>-3</td>
<td>-0.20%</td>
</tr>
<tr>
<td>Leicester town outside of village</td>
<td>1,818</td>
<td>1,732</td>
<td>-86</td>
<td>-4.70%</td>
</tr>
<tr>
<td>Leicester town</td>
<td>2,287</td>
<td>2,200</td>
<td>-87</td>
<td>-3.80%</td>
</tr>
<tr>
<td>North Dansville town outside of village</td>
<td>906</td>
<td>819</td>
<td>-87</td>
<td>-9.60%</td>
</tr>
<tr>
<td>Mount Morris town</td>
<td>4,567</td>
<td>4,465</td>
<td>-102</td>
<td>-2.20%</td>
</tr>
<tr>
<td>Dansville village</td>
<td>4,832</td>
<td>4,719</td>
<td>-113</td>
<td>-2.30%</td>
</tr>
<tr>
<td>Mount Morris village</td>
<td>3,103</td>
<td>2,986</td>
<td>-117</td>
<td>-3.80%</td>
</tr>
<tr>
<td>Caledonia village</td>
<td>2,327</td>
<td>2,201</td>
<td>-126</td>
<td>-5.40%</td>
</tr>
<tr>
<td>Caledonia town outside of village</td>
<td>2,240</td>
<td>2,054</td>
<td>-186</td>
<td>-8.30%</td>
</tr>
<tr>
<td>North Dansville town</td>
<td>5,738</td>
<td>5,538</td>
<td>-200</td>
<td>-3.50%</td>
</tr>
<tr>
<td>Lima town</td>
<td>4,541</td>
<td>4,305</td>
<td>-236</td>
<td>-5.20%</td>
</tr>
<tr>
<td>Caledonia town</td>
<td>4,567</td>
<td>4,255</td>
<td>-312</td>
<td>-6.80%</td>
</tr>
<tr>
<td>Lima village</td>
<td>2,459</td>
<td>2,139</td>
<td>-320</td>
<td>-13.00%</td>
</tr>
<tr>
<td>Groveland town</td>
<td>3,853</td>
<td>3,249</td>
<td>-604</td>
<td>-15.70%</td>
</tr>
</tbody>
</table>
## Education: Livingston County

<table>
<thead>
<tr>
<th>Indicator(s)</th>
<th>Base Year</th>
<th>Current Year</th>
<th>NYS Current</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>rate or percent (base year;current year)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Annual Dropouts - Public Schools,</strong> number and percent students enrolled in grades 9-12 (2005/06;2010/11)**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Sources</td>
<td>Narrative</td>
<td>Indicator Report</td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>Rate</td>
<td>Number</td>
<td>Rate</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>55</td>
<td>1.7</td>
<td>49</td>
<td>1.4</td>
</tr>
<tr>
<td><strong>High School Graduates Intending to Enroll in College - Public Schools,</strong> number and percent graduating seniors (2005/06;2010/11)**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Sources</td>
<td>Narrative</td>
<td>Indicator Report</td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>Rate</td>
<td>Number</td>
<td>Rate</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>580</td>
<td>83.9</td>
<td>568</td>
<td>80.6</td>
</tr>
<tr>
<td><strong>High School Graduates Receiving Regents Diplomas - Public Schools,</strong> number and percent graduates (2005/06;2010/11)**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Sources</td>
<td>Narrative</td>
<td>Indicator Report</td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>Rate</td>
<td>Number</td>
<td>Rate</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>606</td>
<td>87.7</td>
<td>646</td>
<td>91.6</td>
</tr>
</tbody>
</table>

Source: [www.nyskwic.org](http://www.nyskwic.org)
Educational attainment

• Bachelor's degree or higher, percent of persons age 25+, 2007-2011
  – Livingston County 23.3%
  – NYS 32.5%

  – Source: US Census
## Rental/Owner Characteristics

<table>
<thead>
<tr>
<th></th>
<th>2000</th>
<th>2010</th>
<th>10 Year Change</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Housing Units</td>
<td>24,023</td>
<td>27,123</td>
<td>3,100</td>
<td>12.9</td>
</tr>
<tr>
<td>Occupied</td>
<td>22,150</td>
<td>24,409</td>
<td>2,259</td>
<td>10.2</td>
</tr>
<tr>
<td>Owner</td>
<td>16,509</td>
<td>17,845</td>
<td>1,336</td>
<td>8.1</td>
</tr>
<tr>
<td>Renter</td>
<td>5,641</td>
<td>6,564</td>
<td>923</td>
<td>16.4</td>
</tr>
<tr>
<td>Vacuum</td>
<td>1,873</td>
<td>2,714</td>
<td>841</td>
<td>44.9</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau
Employment Status

- **Percentage of labor force unemployed**

<table>
<thead>
<tr>
<th>Number unemployed</th>
<th>Labor force</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livingston County</td>
<td>2,505</td>
<td>32,087</td>
</tr>
<tr>
<td>NYS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Source: 2011 United States Department of Labor Data as of July, 2012*
### Age-adjusted percentage of adults with regular health care provider 2008-2009

<table>
<thead>
<tr>
<th>REG-1</th>
<th>Allegany</th>
<th>Cattaraugus</th>
<th>Chautauqua</th>
<th>Dunkirk</th>
<th>Erie</th>
<th>Genesee</th>
<th>Orleans</th>
<th>Wyoming</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REG-2</td>
<td>Chautauqua</td>
<td>Cattaraugus</td>
<td>Chautauqua</td>
<td>Dunkirk</td>
<td>Erie</td>
<td>Genesee</td>
<td>Orleans</td>
<td>Wyoming</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REG-3</td>
<td>Canandaigua</td>
<td>Cortland</td>
<td>Chenango</td>
<td>Clinton</td>
<td>Delaware</td>
<td>Erie</td>
<td>Genesee</td>
<td>Greene</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REG-4</td>
<td>Steuben</td>
<td>Chenango</td>
<td>Cortland</td>
<td>Delaware</td>
<td>Delaware</td>
<td>Delaware</td>
<td>Dutchess</td>
<td>Erie</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REG-5</td>
<td>Albany</td>
<td>Clinton</td>
<td>Columbia</td>
<td>Dutchess</td>
<td>Erie</td>
<td>Essex</td>
<td>Franklin</td>
<td>Fulton</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REG-6</td>
<td>Schoharie</td>
<td>Schenectady</td>
<td>Schenectady</td>
<td>Schenectady</td>
<td>Schenectady</td>
<td>Schenectady</td>
<td>Schenectady</td>
<td>Schenectady</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REG-7</td>
<td>Queens</td>
<td>Kings</td>
<td>Nassau</td>
<td>New York</td>
<td>Orange</td>
<td>Putnam</td>
<td>Rockland</td>
<td>Sullivan</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REG-8</td>
<td>Otsego</td>
<td>Otsego</td>
<td>Otsego</td>
<td>Otsego</td>
<td>Otsego</td>
<td>Otsego</td>
<td>Otsego</td>
<td>Otsego</td>
</tr>
</tbody>
</table>

**Age-adjusted percentage of adults**

Counties are shaded based on quartile distribution:

- Blue: 0 - < 83.4 (Q1)
- Light Blue: 83.4 - < 86.0 (Q2)
- Medium Blue: 86.0 - < 88.0 (Q3)
- Dark Blue: 88.0 + (Q4)

Source: 2008-2009 NYS Expanded Behavioral Risk Factor Surveillance System Data as of 2010
• Number of foreign born residents 1,668 (58% naturalized citizens)
  – Livingston County  2.6%
  – NYS 20.4%

  – Source: http://www.city-data.com/county/Livingston_County-NY.html
## Historic Population Trends

<table>
<thead>
<tr>
<th>Year</th>
<th>Population</th>
<th># Change</th>
<th>Percentage Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1940</td>
<td>38,510</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>40,257</td>
<td>1,747</td>
<td>5%</td>
</tr>
<tr>
<td>1960</td>
<td>44,053</td>
<td>3,796</td>
<td>9%</td>
</tr>
<tr>
<td>1970</td>
<td>54,303</td>
<td>10,250</td>
<td>23%</td>
</tr>
<tr>
<td>1980</td>
<td>57,006</td>
<td>2,703</td>
<td>5%</td>
</tr>
<tr>
<td>1990</td>
<td>62,372</td>
<td>5,366</td>
<td>9%</td>
</tr>
<tr>
<td>2000</td>
<td>64,328</td>
<td>1,956</td>
<td>3%</td>
</tr>
<tr>
<td>2010</td>
<td>65,393</td>
<td>1,065</td>
<td>2%</td>
</tr>
</tbody>
</table>
Indicator #1
General Population Description

- Liv Co NYS2017
- NYS2017 obj.

[Bar chart showing the percentage of premature death <65 yrs for Liv Co and NYS2017 obj.]
Indicator #1
General Population Description

<table>
<thead>
<tr>
<th></th>
<th>Liv Co</th>
<th>NYS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Birth Rate- 2011</strong></td>
<td>8.9</td>
<td>12.3</td>
</tr>
<tr>
<td><strong>Death Rate- 2011</strong></td>
<td>840.6</td>
<td>755.7</td>
</tr>
</tbody>
</table>

Source: NYSDOH
Indicator #1
General Population Description
Leading Causes of Death

Rate per 100,000

Source NYSDOH
Indicator #1
General Population Description

• **Strengths**
  
  • Education- low school dropout rate, enrolling in college and receiving regents diploma higher than NYS
  
  • Unemployment rate lower than NYS
Indicator #1
General Population Description

• **Opportunities**
  
  • Premature death (before age 65 years) lower than NYS, but does not meet NYS 2017 objective
Indicator #1
General Population Description

• **Trends to Watch**
  • Percent of population at or below poverty level increasing
  • Percent of children under 18 years of age at or below poverty level is increasing
  • Age distribution- increased aging population
  • Economic security- ie free/reduced lunch, children receiving SSI and SNAP
  • Disability prevalence rate is low
Indicator #2
Access to Health Care Services
Indicator #2
Access to Health Care Services

Percent of adults age 18 and older with health insurance

Rates are age-adjusted to the Year 2000 US Standard Population.

April to August, 2013
Liv Co 90.3*
NYS 83.3

*Rate is unstable as estimates based on <50 observations

Source: NYS Expanded BRFSS
Indicator #2
Access to Health Care Services

Number of Primary Care FTE’s per 100,000 Population by County, 2010

Source: New York’s Primary Care Workforce: Who Contributes? A Preliminary Analysis
# Indicator #2
## Access to Health Care Services

<table>
<thead>
<tr>
<th>Health Care</th>
<th>Livingston County</th>
<th>NYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental health providers</td>
<td>6,535:1</td>
<td>1,285:1</td>
</tr>
<tr>
<td>Health care costs</td>
<td>$7,791</td>
<td>$9,384</td>
</tr>
<tr>
<td>Uninsured adults</td>
<td>13%</td>
<td>17%</td>
</tr>
<tr>
<td>Uninsured children</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>Could not see doctor due to cost</td>
<td>6%</td>
<td>12%</td>
</tr>
</tbody>
</table>

Source: County Health Rankings
Indicator #2
Access to Health Care Services
Medicaid/Self Pay Deliveries

Medicaid supported deliveries rising since 1999, but are still lower than NYS.

Rate for 2008-2010 34.2
Source: NYSDOH

Source: NYSDOH
Indicator #2
Access to Health Care Services

8.2 % of adults in Livingston County could not see a doctor due to cost

13.7 % of adults in NYS could not see a doctor due to cost

Source: Expanded BRFSS, 2009
# Indicator #2
## Access to Health Care Services
### Economic Data

**Facilitated Enrollment:**

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Completed Applications</td>
<td>376</td>
<td>345</td>
<td>356</td>
</tr>
<tr>
<td>Total Number of Children Enrolled</td>
<td>454</td>
<td>398</td>
<td>385</td>
</tr>
<tr>
<td>Number of Children Enrolled in Child Health Plus A</td>
<td>111</td>
<td>108</td>
<td>130</td>
</tr>
<tr>
<td>Number of Children Enrolled in Child Health Plus B</td>
<td>343</td>
<td>290</td>
<td>255</td>
</tr>
<tr>
<td>Family Health Plus</td>
<td>92</td>
<td>70</td>
<td>62</td>
</tr>
<tr>
<td>Adult Medicaid</td>
<td>82</td>
<td>113</td>
<td>95</td>
</tr>
<tr>
<td>Total number of clients obtaining insurance through Facilitated Enrollment</td>
<td>628</td>
<td>581</td>
<td>542</td>
</tr>
</tbody>
</table>

Source: Livingston County Department of Health
Indicator #2
Access to Health Care Services
Emergency Medical Services

- In 2012 there were 102 cases which are in the trauma registry per inclusion criteria that are injured in Livingston county and transported to Strong.

- Average time for ground transport from Liv Co scene to Strong = 71 minutes. (data based on first dispatch time to time of arrival at regional trauma center- 2010 Qtr 2 trauma registry)

Source: Data from Strong Memorial Hospital, Regional Trauma Center
Indicator #2
Access to Health Care Services

ED Utilization Rates
Total ED Utilization Rates, Livingston County and Upstate NY Residents, 2005-2011

Source: NYS DOH SPARCS File
## Indicator #2  Access to Health Care Services

<table>
<thead>
<tr>
<th>Clinical Care</th>
<th>Livingston County</th>
<th>Error Margin</th>
<th>New York</th>
<th>National Benchmark*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Uninsured</strong></td>
<td>11%</td>
<td>9-12%</td>
<td>14%</td>
<td>11%</td>
</tr>
<tr>
<td><strong>Primary care physicians</strong></td>
<td>2,042:1</td>
<td>1,222:1</td>
<td>1,067:1</td>
<td></td>
</tr>
<tr>
<td><strong>Dentists</strong></td>
<td>2,294:1</td>
<td>1,414:1</td>
<td>1,516:1</td>
<td></td>
</tr>
<tr>
<td><strong>Preventable hospital stays</strong></td>
<td>63</td>
<td>55-72</td>
<td>66</td>
<td>47</td>
</tr>
<tr>
<td><strong>Diabetic screening</strong></td>
<td>90%</td>
<td>79-100%</td>
<td>85%</td>
<td>90%</td>
</tr>
<tr>
<td><strong>Mammography screening</strong></td>
<td>68%</td>
<td>55-81%</td>
<td>66%</td>
<td>73%</td>
</tr>
</tbody>
</table>

Source: County Health Rankings
Indicator #2    Access to Health Care Services
Number of Nursing Home Beds
in Livingston County

Avon Nursing Home: rate as of 5/1/2013
Conesus Lake Nursing Home: rate not available
LC Center for Nursing and Rehabilitation: rate as of 4/24/2013

Source: NYSDOH
Indicator #2  Access to Health Care Services
Number of Assisted Living Beds in Livingston County

<table>
<thead>
<tr>
<th>Assisted Living Beds</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>Alpine Manor</td>
</tr>
<tr>
<td>78</td>
<td>Morgan Estates</td>
</tr>
</tbody>
</table>
Strengths

• High percent of adults ages 18-64 with health insurance
• Total hospitalization rate is low
• Number of nursing home beds
Opportunities

- Low percent of children <19 years of age with health insurance
- Medicaid /Self pay deliveries increasing
- Facilitated enrollment services
- Number of primary care physicians per population is low
- Home care and assisted living needs for elderly population
Trends to Watch

- Percent of population at or below poverty level increasing
- Percent of children under 18 years of age at or below poverty level is increasing
- Rate of emergency department visits trending upward
Indicator #3
Cancer
Indicator #3 Cancer
All invasive malignant tumors – Incidence and Mortality
2005-2009

Source: New York State Department of Health
Indicator #3 Cancer

Percent of cancers diagnosed at an early stage - Females
2005-2009

Source: NYS Cancer Registry - melanoma and cervical cancers less than 3 cases
Indicator #3 Cancer

Percent of cancers diagnosed at an early stage - Males
2005-2009

Source: NYS Cancer Registry
Indicator #3 Cancer

Percentage of adults who receive colon cancer screening based on recent guidelines

Source: NYSDOH
Indicator #3 Cancer

Source: New York State Cancer Registry
Indicator #3 Cancer Cervical, Breast and Colorectal Screening

Livingston County residents screened via Cancer Services Partnership program

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>91</td>
<td>111</td>
<td>118</td>
</tr>
</tbody>
</table>

Source: Livingston County Department of Health
Strengths

• Oral cancer diagnosed at early stage is increasing - females

• Cervical cancer incidence and mortality rate is low
Opportunities

• All invasive malignant tumors rate increasing
• Oral Cancer diagnosed at early stage is decreasing - males
• Breast cancer incidence rate higher than NYS rate
• Colorectal cancer diagnosed at early stage is decreasing- males
Trends to Watch

- Lung cancer diagnosed at early stage less than NYS rate, maintain or decrease - males and females
- Number of residents receiving cancer screenings through Cancer Services Partnership is increasing- need to continue
Indicator #4

Diabetes
Indicator #4 Diabetes

Rates of diabetes hospitalizations per 100,000

No rate for hospitalizations is per 100,000 but it is per 10,000. Multiplied the new data by 10.

Source: NYSDOH SPARCS
Indicator #4 Diabetes
Rates of diabetes hospitalizations for short-term complications of diabetes per 10,000 ages 18+ years

Source: NYSDOH
Indicator #4 Diabetes

Inpatient Diabetes Discharges

Inpatient Discharge Rates with Diabetes as the Primary Diagnosis, 2005-2011

Source: NYS DOH SPARCS File
Diabetes Mortality Rate

Source: NYSDOH
Indicator #4 Diabetes

Physician Diagnosed Diabetes
Livingston and Ontario Counties  9.8%

NYS  9.3%

Source: Expanded BRFSS, 2009
Indicator #4 Diabetes

- Livingston County Department of Health and Noyes Health initiatives include:
  - Diabetes support group for adults
  - Foot Clinics for uninsured and underinsured
  - Check the Chart healthy eyes initiative
  - Certified diabetes educator
Strengths

• Diabetes hospitalization rate decreasing
• Various diabetes services available
Opportunities

- Increase utilization of diabetes services
- Inpatient diabetes discharges is trending upward
- Development of in home monitoring of blood glucose levels for most at risk
Trends to Watch

• Diabetes incidence increasing
• Diabetes mortality rate increasing
• Diabetes inpatient discharge rates increasing
• Rate of hospitalizations for short-term complications-ages 18 + years
Indicator #5

Environmental Health
## Indicator #5 Environmental Health

Total number of public health hazards found (annual summaries)

<table>
<thead>
<tr>
<th>Year</th>
<th>Ag Fairs</th>
<th>Bathing Beaches</th>
<th>Cmpgrnds</th>
<th>MHPs</th>
<th>Swim Pools</th>
<th>Temp Residence</th>
<th>HR FSEs</th>
<th>MR FSEs</th>
<th>LR FSEs</th>
<th>Temp Food</th>
<th>Lead Invest.</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>18</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>38</td>
</tr>
<tr>
<td>2011</td>
<td>0</td>
<td>0</td>
<td>9</td>
<td>35</td>
<td>6</td>
<td>0</td>
<td>3</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>62</td>
</tr>
<tr>
<td>2012</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>40</td>
<td>7</td>
<td>0</td>
<td>3</td>
<td>8</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>65</td>
</tr>
</tbody>
</table>

Source: Livingston County Department of Health
Indicator #5 Environmental Health
Lead Exposure: 1 and 2 years of age

Source: Livingston County Department of Health
Indicator #5 Environmental Health

Water Quality

2012

Community Public Water Systems

- Community- 24 total systems
  - Monitoring violations (missed samples)- 7
  - Maximum contaminant level violations- 2

- Non-Municipal- 8 total systems
  - Monitoring violations (missed samples)- 1
  - Maximum contaminant level violations- 0

- Non-Community Public Water Systems- 25 total systems
  - Monitoring violations (missed samples)- 2
  - Maximum contaminant level violations- 1

All water quality numbers represent all monitoring and mcl exceedence violations are for the following consitients: total coliform, e. coli, nitrate, disinfections byproducts, lead and copper, ioc, poc, ioc testing.

Source: Livingston County Department of Health
Indicator #5 Environmental Health

Radon Testing

# of Homes Measured

Source: http://www.city-data.com/county/
Indicator #5 Environmental Health
Radon Testing Results

Living Area

Source: http://www.city-data.com/county/
Indicator #5 Environmental Health
Toxic Waste Sites

• Livingston County Sites
  – Growmark, F. S. Inc. Caledonia
  – Jones Chemical Caledonia
  – Former Wilcox Press Site Dansville
  – Pappas Dry Cleaning Dansville
  – NYSEG Dansville
    • former Dansville Coal Gas
  – Archema Piffard (York)
    • former Lucidol
  – William Benson Landfill Livonia
  – Enarc-O Machine Products, Inc. Lima
Indicator #5 Environmental Health

• Strengths
Indicator #5 Environmental Health

• Opportunities
  • Number lead tests among 1 and 2 year olds needs to increase
  • Number of lead level elevations is increasing
Indicator #5 Environmental Health

• Trends to Watch
  • Number of public health hazards found- campgrounds, swimming pools, etc.
  • Current toxic waste sites in county: to date there are 8 sites
  • Issues regarding Fracking
Indicator #6

Family Planning
## Indicator #6  Family Planning

### Births

<table>
<thead>
<tr>
<th>Total Births</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>569</td>
<td>572</td>
<td>506</td>
</tr>
</tbody>
</table>

Source: Livingston County Birth Data Records
Indicator #6  Family Planning
Pregnancies

Pregnancy Rate per 1,000 – Total for Livingston County

Source: NYSDOH
Indicator #6  Family Planning
Adolescent Pregnancies ages 10-14

Rate per 1,000 females

Interpretation limited due to small numbers.
Source: New York State Department of Health County Health Indicator Profiles, Livingston County
Indicator #6  Family Planning
Adolescent Pregnancy Rate ages 15-19

Note: Zip codes with highest teen pregnancy rates in the county include 14533, 14517, 14510 and 14437. Ethnicity data not available due to fewer than 10 events and data did not meet reporting criteria.

Source: NYSDOH
Indicator #6  Family Planning
Induced Abortion to Pregnancy Ratio
Per 1,000

Source: New York State Department of Health
Strengths

• Abortion rate low
• Teen pregnancy rate remains low
Opportunities

- Percentage of live births that occur within 24 months of a previous pregnancy
Trends to Watch

• Continue to decrease teen pregnancy rate
Indicator #7

Heart Disease and Stroke
Indicator #7 Heart Disease and Stroke Chronic Disease

Cardiovascular Disease – Mortality Rates per 100,000

Source: New York State Department of Health
Indicator #7 Heart Disease and Stroke Chronic Disease


Source: New York State Department of Health
Indicator #7 Heart Disease and Stroke
Chronic Disease
Age adjusted heart attack hospitalization rate per 10,000

Source: New York State Department of Health
Indicator #7 Heart Disease and Stroke
Cerebrovascular Disease

Livingston County Mortality Trends-
Cerebrovascular Disease (1997-2005)

Rate per 100,000

HP2020
33.8 per 100,000

Source: New York State Department of Health
Indicator #7 Heart Disease and Stroke

• Cardiac Program
  – Screenings offered to the public at worksite fairs and community events
  – Education via media releases
  -ACHIEVE – chronic disease prevention initiative utilizing policy, systems and environmental changes regarding physical activity and tobacco free outdoor policies
Strengths

• Cardiovascular Disease mortality rate is decreasing
Opportunities

• Stroke/ Cerebrovascular Disease mortality rate is increasing and higher than NYS

• Increase current community resources including screenings offered to public and increasing policy, systems and environmental changes
Trends to Watch

• Heart attack hospitalizations somewhat higher than NYS and NYS 2017 obj.
Indicator #8

HIV
## Indicator #8
### HIV

**AIDS CASES**
**RATE PER 100,000 POPULATION**
**2008-2010**

<table>
<thead>
<tr>
<th></th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Livingston County</strong></td>
<td>3.7*</td>
</tr>
<tr>
<td><strong>NYS</strong></td>
<td>21.6</td>
</tr>
<tr>
<td><strong>NYS 2017 obj.</strong></td>
<td>14.7</td>
</tr>
</tbody>
</table>

*Fewer than 10 events in the numerator; therefore the rate is unstable*
Indicator #8
HIV/AIDS
AIDS mortality rate per 100,000

Source: NYSDOH
Note: Livingston County rate was zero from 2008-2010

HP2020
3.3/100,000
Strengths

• AIDS mortality rate remains low
Opportunities
Trends to Watch

- HIV/AIDS cases remain low (excluding NYS prison inmates)
Indicator #9

Immunization and Infectious Diseases
## Indicator #9

<table>
<thead>
<tr>
<th>Disease</th>
<th>2012</th>
<th>2011</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campylobacteriosis</td>
<td>14</td>
<td>18</td>
<td>7</td>
</tr>
<tr>
<td>E.Coli 0157:H7</td>
<td>9</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>EHEC, Serogroup Non-0157</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Giardiasis</td>
<td>5</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Salmonellosis</td>
<td>4</td>
<td>14</td>
<td>17</td>
</tr>
<tr>
<td>Shigellosis</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Gonorrhea</td>
<td>6</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>Chlamydia</td>
<td>141</td>
<td>116</td>
<td>121</td>
</tr>
</tbody>
</table>

Source: NYSDOH
Indicator #9 Immunization and Infectious Diseases

• There were no confirmed cases of Measles or Rubella from 2007-2012.
• Confirmed cases of Pertussis:
  2010- 0
  2011- 1
  2012- 99
There were no confirmed cases of HIB from 2007-2012

Source: Livingston County Department of Health
## Indicator #9 Immunization and Infectious Diseases - Number of Reported Cases

<table>
<thead>
<tr>
<th>Year</th>
<th>Hepatitis A</th>
<th>Hepatitis B</th>
<th>Hepatitis C</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>0</td>
<td>1</td>
<td>41</td>
</tr>
<tr>
<td>2011</td>
<td>0</td>
<td>4</td>
<td>25</td>
</tr>
<tr>
<td>2010</td>
<td>0</td>
<td>3</td>
<td>43</td>
</tr>
</tbody>
</table>

*Includes the prison population

HP 2020 .3 cases per 100,000 Hep A, 1.5 Hep B, .25 new cases Hep C

Source: Livingston County Department of Health
**Indicator #9 Immunization and Infectious Diseases**

**Tuberculosis**

<table>
<thead>
<tr>
<th>Year</th>
<th>Cases per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>0</td>
</tr>
<tr>
<td>2011</td>
<td>0</td>
</tr>
<tr>
<td>2010</td>
<td>0</td>
</tr>
</tbody>
</table>

Source: Livingston County Department of Health
Indicator #9 Immunization and Infectious Disease

School Age Vaccination Rates
2012-2013 School Year

Livingston County  99

NYS  98

Source: NYSDOH
# Indicator #9 Immunization and Infectious Disease

<table>
<thead>
<tr>
<th></th>
<th>Livingston County</th>
<th>NYS</th>
<th>NYS 2017 Obj.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2008 Baseline rate</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Influenza vaccination rates</td>
<td>82.2%</td>
<td>75%</td>
<td>90%</td>
</tr>
<tr>
<td>adults +65</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2008 Baseline rate</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pneumoccal vaccination rates</td>
<td>79%</td>
<td>64.7%</td>
<td>N/A</td>
</tr>
<tr>
<td>adults +65</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

April to August, 2013

<table>
<thead>
<tr>
<th>Flu shot or spray</th>
<th>Pneumoccal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liv Co</td>
<td>Liv Co</td>
</tr>
<tr>
<td>54.6*</td>
<td>32.7*</td>
</tr>
<tr>
<td>NYS</td>
<td>NYS</td>
</tr>
<tr>
<td>48.2</td>
<td>31.0</td>
</tr>
</tbody>
</table>

*Rate is unstable as estimates based on <50 observations

Source: NYSDOH
Indicator #9 Immunization and Infectious Disease

Percentage of children with recommended immunizations - Ages 19-35 months

Source: NYSDOH

Please note: This data represents a small sample of LC HCP offices and is only representative of inputted data.

*Represents number of required immunizations per NYSDOH
Indicator #9 Immunization and Infectious Diseases

• **Strengths**
  • Tuberculosis rates remain low
  • Immunization rate among school age children is high
Indicator #9 Immunization and Infectious Diseases

• Opportunities

• Communicable disease rates- especially chlamydia and Pertussis are increasing
Indicator #9 Immunization and Infectious Diseases

• Trends to Watch
  • Flu immunization rates among > 65 years of age
  • Pneumococcal immunization rates among > 65 years of age
  • Immunizations among 2 year olds
Indicator #10

Injury Prevention and Control
Indicator #10
Injury Prevention and Control
Suicide Mortality - 3 Year Average

Source: NYSDOH

Age-Sex adjusted to 2000 U.S. population distribution

NYS 2017 Obj. 5.9
HP 2020 10.2 suicides per 100,000
Indicator #10
Injury Prevention and Control
Assault Hospitalizations Rate per 10,000

Livingston County Numbers are low.
Source: New York State Department of Health
Indicator #10
Injury Prevention and Control

Self-inflicted Injury Hospitalizations Rate

Source: New York State Department of Health SPARCS
Indicator #10
Injury Prevention and Control
Self-inflicted Injury Hospitalizations Rate 2008-2010

Rate per 100,000

Liv Co
NYS

Source: NYSDOH
Indicator #10
Injury Prevention and Control
Unintentional Injury Mortality Rate

Source: New York State Department of Health

HP 2020 53.3 deaths per 100,000
Indicator #10
Injury Prevention and Control
Falls Hospitalization Rate

Rate per 10,000

Source: New York State Department of Health
Indicator #10
Injury Prevention and Control
Falls Hospitalization Rate
>85 years of age

Source: New York State Department of Health
Indicator #10
Injury Prevention and Control
Poisoning Hospitalization Rate

Rate per 10,000

Source: New York State Department of Health
Indicator #10
Injury Prevention and Control
Motor Vehicle Mortality Rate

Rate per 10,000

2005 2006 2007 2008 2009 2010

Liv Co NYS

Source: New York State Department of Health
Indicator #10
Injury Prevention and Control
Non-motor Vehicle Mortality Rate

Rate per 10,000

Source: New York State Department of Health
Indicator #10
Injury Prevention and Control
Traumatic Brain Injury Hospitalization Rate

HP 2020 77 hospitalizations per 100,000

Source: New York State Department of Health
Indicator #10
Injury Prevention and Control
Alcohol Related Injuries and Deaths

Source: New York State Department of Health
Indicator #110
Injury Prevention and Control

Alcohol Related Motor Vehicle Injuries and Deaths per 100,000

Source: NYS Health Department

Alcohol related MV accidents and deaths/injuries are higher than overall NYS rates
## Family: Livingston County

<table>
<thead>
<tr>
<th>Indicator(s)</th>
<th>Base Year</th>
<th>Current Year</th>
<th>NYS Current</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Child Abuse/Maltreatment - Children/Youth in Indicated Reports of Abuse/Maltreatment,</strong> number and rate/1,000 children/youth ages 0-17 years (2005;2011)</td>
<td>212</td>
<td>188</td>
<td>16.9</td>
</tr>
<tr>
<td><strong>Foster Care Admissions - Children/Youth Admitted to Foster Care,</strong> number and rate/1,000 children/youth ages 0-17 years (2005;2011)</td>
<td>23</td>
<td>*12</td>
<td>2.4</td>
</tr>
<tr>
<td><strong>Foster Care Adoption Milestone - Children/Youth Discharged to Adoption,</strong> number and percent children/youth in foster care with goal and status of free for adoption (2005;2011)</td>
<td>*12</td>
<td>*10</td>
<td>47.5</td>
</tr>
<tr>
<td><strong>Foster Care Children In Care - Children/Youth 0-21 years,</strong> number and rate/1,000 children/youth ages birth-21 years (2005;2011)</td>
<td>26</td>
<td>38</td>
<td>3.8</td>
</tr>
<tr>
<td><strong>Foster Care Discharges - Children/Youth Discharged from Foster Care,</strong> number and percent children/youth in foster care (2005;2011)</td>
<td>36</td>
<td>26</td>
<td>37.2</td>
</tr>
</tbody>
</table>

Source: NYSKWIC
Leading Causes of All Injury
Deaths, Hospitalizations and Emergency Department\(^\dagger\) (ED) Visits
Livingston County, New York Residents, 2005-2007

Deaths
- Motor Vehicle Traffic Injuries are the leading cause for injury related death for Livingston County residents.
- Annually, 8 Livingston County Residents die due to traffic related injuries:
  - 6 Unspecified
  - * Occupants
  - * Pedestrians
  - * Pedal Cyclists

Hospitalizations
- Motor Vehicle Traffic Injuries are the second leading cause for injury related hospitalizations for Livingston County residents.
- Annually, 33 Livingston County Residents are hospitalized due to traffic related injuries:
  - 42 Occupants
  - 6 Motorcyclists
  - 2 Unspecified
  - * Pedestrians
  - * Pedal Cyclists

ED\(^\dagger\) Visits
- Motor Vehicle Traffic Injuries are a leading cause for injury related outpatient ED\(^\dagger\) visits for Livingston County residents.
- Annually, 422 Livingston County Residents are treated and released from an ED due to traffic related injuries:
  - 366 Occupants
  - 21 Motorcyclists
  - 17 Unspecified
  - 11 Pedal Cyclists
  - 7 Pedestrians

\(^\dagger\) The incidence of ED visits does not include patients that were subsequently admitting into the hospital
\(^*\) Data based on frequencies less than six not reported

Source: NYSDOH, Bureau of Injury Prevention
SPARCS GENESMITH 2009
Vital Statistics Death File April 2009
Indicator #10
Injury Prevention and Control

Livingston County Number of PINS referrals

2007-133
2011-136
2012-158
2013-54 (1/1/13-6/21/13)

Source: Livingston County Probation
NYS not available
Indicator #10
Injury Prevention and Control

Office Discipline Referral (ODR) Data Summary:
Office discipline referral (ODR) data was collected in two schools (Avon, Dansville, {HF-L not available}) for the 2011-2012 school year. The goal was to analyze discipline data for HF-L, Dansville, Avon as compared to last set of data (baseline 2009).

• Dansville (2007-2010) in grades Pre-K – 2nd; 112 ODR’s (baseline), 45% of ODR’s were from the classroom. Goal: decrease ODR’s from the classroom by 3% by year end 2012.

• HF-L (2009-2010) in grades K-1st; 29 ODR’s (baseline), 48% classroom referrals. Goal: decrease ODR’s from the classroom by 3% by year end 2012.

• Avon (2009-2010) in grades K-4th; 84 ODR’s (baseline), 42% classroom referrals. Goal: decrease ODR’s from the classroom by 3% by year end 2012.

The results of the ODR data include: Dansville decreased the office discipline referrals from 112 to 90, with a decrease of 12% from the classroom. Avon decreased the office discipline referrals from 84 to 62, with 37% of referrals coming from the classroom, a decrease of 5%. HF-L office discipline referral data was not available for analysis due to administrative and process changes.
Indicator #10
Injury Prevention and Control
Second Step-Community-Wide Violence Prevention Curriculum

<table>
<thead>
<tr>
<th>School</th>
<th>Minor Altercations w/o weapons</th>
<th>Intimidation w/o weapon</th>
<th>Criminal Mischief w/o weapon</th>
<th>Other Disruptive Incidences</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>03/04</td>
<td>08/09</td>
<td>10/11</td>
<td>03/04</td>
</tr>
<tr>
<td>Avenette</td>
<td>25</td>
<td>50</td>
<td>26</td>
<td>34</td>
</tr>
<tr>
<td>College Park</td>
<td>2</td>
<td>5</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Geneseo</td>
<td>33</td>
<td>19</td>
<td>12</td>
<td>58</td>
</tr>
<tr>
<td>Livonia</td>
<td>65</td>
<td>49</td>
<td>23</td>
<td>49</td>
</tr>
<tr>
<td>ML. Morris</td>
<td>26</td>
<td>12</td>
<td>12</td>
<td>26</td>
</tr>
<tr>
<td>Danville</td>
<td>5</td>
<td>57</td>
<td>20</td>
<td>2</td>
</tr>
<tr>
<td>Redemption</td>
<td>15</td>
<td>73</td>
<td>21</td>
<td>82</td>
</tr>
<tr>
<td>York</td>
<td>0</td>
<td>14</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>Mt. St.</td>
<td>0</td>
<td>22</td>
<td>16</td>
<td>4</td>
</tr>
<tr>
<td>Wayland-Carleton</td>
<td>**</td>
<td>63</td>
<td>26</td>
<td>**</td>
</tr>
</tbody>
</table>
## Indicator #10
Injury Prevention and Control
Domestic Violence

### Utilization of Domestic Violence Shelter

<table>
<thead>
<tr>
<th></th>
<th>Clients</th>
<th>Bednights</th>
<th>Ave. Occupancy</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>90</td>
<td>914</td>
<td>46%</td>
</tr>
<tr>
<td>2005</td>
<td>222</td>
<td>2107</td>
<td>48%</td>
</tr>
<tr>
<td>2006</td>
<td>211</td>
<td>2767</td>
<td>63%</td>
</tr>
<tr>
<td>2007</td>
<td>206</td>
<td>2278</td>
<td>52%</td>
</tr>
<tr>
<td>2010</td>
<td>138</td>
<td>1559</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>164</td>
<td>1796</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>162</td>
<td>2101</td>
<td></td>
</tr>
</tbody>
</table>

Source: Chances and Changes, Livingston County serves various counties
**Indicator #10**

**Injury Prevention and Control**

**Domestic Violence**

Calls Received by DV Shelter Hotline

<table>
<thead>
<tr>
<th>Year</th>
<th>Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>1401</td>
</tr>
<tr>
<td>2004</td>
<td>1181</td>
</tr>
<tr>
<td>2005</td>
<td>2289</td>
</tr>
<tr>
<td>2006</td>
<td>2360</td>
</tr>
<tr>
<td>2007</td>
<td>1835</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>2094</td>
</tr>
<tr>
<td>2011</td>
<td>2404</td>
</tr>
<tr>
<td>2012</td>
<td>1727</td>
</tr>
</tbody>
</table>

Source: Chances and Changes, Geneseo
Indicator #10
Injury Prevention and Control
Domestic Violence

Services provided to Non-Residents

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>171</td>
</tr>
<tr>
<td>2005</td>
<td>427</td>
</tr>
<tr>
<td>2006</td>
<td>399</td>
</tr>
<tr>
<td>2007</td>
<td>384</td>
</tr>
<tr>
<td>2010</td>
<td>206</td>
</tr>
<tr>
<td>2011</td>
<td>238</td>
</tr>
<tr>
<td>2012</td>
<td>236</td>
</tr>
</tbody>
</table>

Ongoing services provided DV non-residential clients and educational programs in the schools and community

Source: Chances and Changes, Livingston County
## Indicator #10
### Injury Prevention and Control
#### Domestic Violence

<table>
<thead>
<tr>
<th></th>
<th>Direct DV reports from Sheriff’s Dept.</th>
<th>Number of Sex Offense Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2010</strong></td>
<td>550</td>
<td>25</td>
</tr>
<tr>
<td><strong>2011</strong></td>
<td>515</td>
<td>26</td>
</tr>
<tr>
<td><strong>2012</strong></td>
<td>545</td>
<td>29</td>
</tr>
</tbody>
</table>

Source: Livingston County Sheriff’s Department
Indicator #10
Injury Prevention and Control
Rape Crises Services

• 2010—clients 21
  Hotline calls 67
• 2011—clients 60
  Hotline calls 66
• 2012—clients 40
  Hotline calls 75
• 2013 to date
  Clients 28
  Hotline calls 17

Source: Rape Crises Services
Indicator #10
Injury Prevention and Control

• Strengths

• Traumatic brain injury hospitalization rate is low
• Second Step Violence Prevention curriculum in schools
Indicator #10
Injury Prevention and Control

• Opportunities

• Self inflicted injury hospitalization rate trending upward
• Motor vehicle mortality rate increasing
• Alcohol related injury and death rate trending lower but higher than NYS rate
• Office discipline report school violence is trending lower, need to continue to improve
• Domestic violence remains high
• Rape / dating violence increase in hot line calls
Indicator #10
Injury Prevention and Control

• **Trends to Watch**
  
  • Assault hospitalization rate, continue to decrease rate
  • Unintentional injury mortality rate, trending higher and higher than NYS rate
  • Fall hospitalization rate- especially >85 years of age, higher than NYS and aging population increasing
  • Non motor vehicle mortality rate trending upward and higher than NYS rate
  • Number of youth in PINS program increasing
  • Poisoning hospitalization rate trending upward
Indicator #11

Maternal Child Health
Indicator #11 Maternal Child Health
Total Births

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Births</td>
<td>569</td>
<td>572</td>
<td>506</td>
</tr>
</tbody>
</table>

Source: Livingston County Birth Certificate Data
Indicator #11 Maternal Child Health
Prenatal Care
First Trimester Entry into Prenatal Care

Source: Livingston County Birth Certificate Data
Indicator #11 Maternal Child Health
Prenatal Care

Percentage of births with early (1st trimester) prenatal care 2008-2010

Indicator #11 Maternal Child Health
Prenatal Care

[Bar chart and map showing percentage of births with adequate prenatal care in New York State and various counties.]

Indicator #11 Maternal Child Health

Infant Mortality

Due to low numbers, caution must be exercised in interpreting changes; rates lower than NYS

Source: New York State Department of Health County Health Indicator Profiles, Livingston County (2004-2006)
## Indicator #11 Maternal Child Health

### Maternal Mortality

<table>
<thead>
<tr>
<th></th>
<th>2004-2006</th>
<th>2008-2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livingston County</td>
<td>0*</td>
<td>0*</td>
</tr>
<tr>
<td>NYS</td>
<td>18.3</td>
<td>23.3</td>
</tr>
</tbody>
</table>

*Fewer than 20 events in the numerator; therefore the rate is unstable

Source: New York State Department of Health County Health Assessment Indicators  
Livingston County
Indicator #11 Maternal Child Health Birthweight

NYS DOH Rates of Low Birthweight <2.5 Kg

Source: New York State Department of Health
Indicator #11 Maternal Child Health
Maternal weight

Weight

Source: Livingston County Birth Certificate Data
Indicator #11 Maternal Child Health
Pre-Term Births

Rates for 2008-2010

Source: New York State Department of Health
Indicator #11 Maternal Child Health
Pregnancies

Number of Pregnancies and Births
Livingston County

Source: New York State Department of Health County Health Indicator Profiles, Livingston County
Indicator #11 Maternal Child Health
Percentage of live births that occur within 24 months of a previous pregnancy: 2008-2010

Source: NYSDOH
Indicator #11 Maternal Child Health

Weight

Year Percentage

2008 32
2009 36
2010 33
2011 29
2012 23

Source: Livingston County Department of Health Birth Certificate Data
Indicator #11 Maternal Child Health
Percent of Pregnant Women Who Use Tobacco

Smoking Status

Year

Percentage

2008 2009 2010 2011 2012

Smoker
Non-Smoker

HP 2020
1.4%

Source: Livingston County Department of Health Birth Certificate Data
Indicator #11 Maternal Child Health
Breastfeeding

Source: NYSDOH
Indicator #11 Maternal Child Health
Breastfeeding

Source: Livingston County Department of Health Birth Certificate Data

HP 2020 81.9%
Indicator #11 Maternal Child Health

• Strengths
  • Low infant mortality rate
  • Low maternal mortality rate
  • Low birthweight rate decreasing
Indicator #11 Maternal Child Health

• Opportunities

• Early and consistent prenatal care rate
• Pregnant women who use tobacco
• Breastfeeding rates increasing somewhat, does not meet Healthy People 2020 objective
Indicator #11 Maternal Child Health

• Trends to Watch
  • Pre-term births
  • Pregnancy and birth rates are decreasing
Indicator #12

Nutrition and Overweight
Indicator #12
Nutrition and Overweight

• Prevalence of consumption of 5 fruits/vegetables

<table>
<thead>
<tr>
<th></th>
<th>2003</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>– Livingston County:</td>
<td>29.3</td>
<td>25</td>
</tr>
<tr>
<td>– Genesee County:</td>
<td>23.1</td>
<td>27.1</td>
</tr>
<tr>
<td>– NYS:</td>
<td>25.8</td>
<td>27.1</td>
</tr>
</tbody>
</table>

Source: NYS DOH BRFSS

HP 2010
75% eat 2 servings of fruit/day
50% eat 3 servings of vegs/day
No HP 2020 obj
### Indicator #12
Nutrition and Overweight

<table>
<thead>
<tr>
<th>Liv Co Percentile</th>
<th>Percent Overweight not obese: elementary, middle and high school</th>
<th>Percent Obese: elementary, middle and high school</th>
<th>Percent Overweight or Obese: elementary, middle and high school</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.4</td>
<td>14.7</td>
<td>25.1</td>
<td></td>
</tr>
<tr>
<td>4th lowest</td>
<td>10th lowest</td>
<td>3rd lowest</td>
<td></td>
</tr>
</tbody>
</table>

Source: NYSDOH
Indicator #12
Nutrition and Overweight
% Adults overweight and obese

Source: Expanded BRFSS 2003

HP 2020
30.5 percent
Indicator #12
Nutrition and Overweight
% Adults who are obese

Source: NYSDOH
### Indicator #12
**Nutrition and Overweight**

% Adults who are overweight

<table>
<thead>
<tr>
<th>Percent overweight any adult with income ≤ $24,999</th>
<th>2008-2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livingston County</td>
<td>29%</td>
</tr>
<tr>
<td>New York State</td>
<td>34%</td>
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</table>

Source: NYS DOH BRFSS
Indicator #12
Nutrition and Overweight
Percent Obesity Among Adults
2008-2009

Source: NYS DOH BRFSS
Note: Data for <$24,999 for Livingston County adults not available
Indicator #12
Nutrition and Overweight
2008-2010

Source: NYSDOH
Indicator #12
Nutrition and Overweight
Percent of pregnant women in WIC pre pregnancy unhealthy weight 2008-2010

Source: NYSDOH
## Indicator #12
### Nutrition and Overweight

<table>
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<tr>
<th></th>
<th>Livingston County</th>
<th>New York</th>
<th>National Benchmark*</th>
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<tr>
<td><strong>Access to recreational facilities</strong></td>
<td></td>
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<td><strong>Limited access to healthy foods</strong></td>
<td>9%</td>
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<tr>
<td><strong>Fast food restaurants</strong></td>
<td>41%</td>
<td>45%</td>
<td>27%</td>
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Source: County Health Rankings
Indicator #12
Nutrition and Overweight

NYS 2017 obj.: 2.24

Percentage of population with low-income and low access to a supermarket or large grocery store 2010

Source: 2010 US Department of Agriculture Food Environment Atlas Data as of November, 2012
Strengths

• Childhood obesity rates for students in 7th and 10th grades are low
Opportunities

• Nutrition- number of fruits and vegetables consumed is low
• Unhealthy weight among school age children and WIC age 2-4
• Unhealthy weight among adults
• Need for increased access to healthy food
• Percent pregnant women in WIC pre pregnancy obese rate higher than NYS
Indicator #12
Nutrition and Overweight

Trends to Watch

• Percent of population with low income and low access to supermarket

• Obesity rate among low income adults
Indicator #13

Oral Health
Oral Health

Percentage of third-grade children with evidence of untreated tooth decay

Source: NYSDOH
Oral Health

Percentage of 3rd grade children with caries experience
2009-2011

Source: 2009-2011 Bureau of Dental Health Data as of August, 2012
Oral Health

Percentage of 3rd grade children with untreated caries
2009-2011

Source: 2009-2011 Bureau of Dental Health Data as of August, 2012
Oral Health

Percentage of 3rd grade children with dental insurance
2009-2011

Source: 2009-2011 Bureau of Dental Health Data as of August, 2012
Oral Health

New York State: Not Available

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<th>REG-1</th>
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<td>Otsego</td>
<td>Schuyler</td>
<td>Seneca</td>
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<td>St. Lawrence</td>
<td>St. Lawrence</td>
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<td>Utica</td>
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<td>Warren</td>
<td>Warren</td>
<td>Warren</td>
<td>Warren</td>
</tr>
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</table>

Percentage of 3rd grade children with at least one dental visit in last year 2009-2011

Source: 2009-2011 Bureau of Dental Health Data as of August, 2012
Oral Health

April to August, 2013
Liv Co 71.8*
NYS 68.1

*Rate is unstable as estimates based on <50 observations
Oral Health

Caries emergency department visit - Ages 3-5 years
Rate per 10,000
2008-2010

Emergency department visits rate
Counties Are Shaded Based On Quartile Distribution
(*) Indicates A County Rate With Fewer Than 10 Emergency department visits)
Indicator #5 Environmental Health
Water Fluoridation

Municipalities with Fluoridation
Avon Village, Avon Town, South Avon, Caledonia District 3, Caledonia District 1, Caledonia Village, Dansville Village, LCWSA Consolidated Water District, Livonia Village, Lima Village, Lima Town, Lehigh (Caledonia), Geneseo Village, Geneseo Town, Town of York.
(Population served- 40,000, 61.6% of Livingston County)

Source: Livingston County Department of Health
Strengths

- Number of children with dental sealants
- Number of adults with dental visit within one year
Opportunities

- Children with dental caries - experience and untreated
- Caries emergency room department visits ages 3-5 years
- Percent of residents served by community water systems with optimally fluoridated water is lower than NYS and NYS 2017 objectives
- Percentage of third-grade children with evidence of untreated tooth decay
Trends to Watch

- Decreased percentage of Medicaid enrollees with at least one dental visit with last year
- Children with dental insurance
Indicator #14

Physical Activity and Fitness
Indicator #14
Physical Activity and Fitness

Livingston County - 18.8% did not participate in leisure-time physical activity or exercise in the past 30 days

NYS 23.7

Source: expanded BRFSS 2009
Indicator #14
Physical Activity and Fitness
No Leisure Time Physical Activity
2008-2009

Source: expanded BRFSS 2009
Indicator #14
Physical Activity and Fitness

Activity limitations because of physical, mental or emotional problems among adults

Livingston County  18.0

NYS  20.6

Source: BRFSS 2009
Indicator #14
Physical Activity and Fitness

Source: Livingston County Planning Department
Strengths

- Various physical opportunities including walking trails and parks
Opportunities

• Physical activity level among residents

• No leisure time physical activity among low income population
Trends to Watch
Indicator #15

Respiratory Diseases
Respiratory Diseases

Chronic lower respiratory disease hospitalization rate per 10,000
2008-2010

New York State: 38.3

Source: 2008-2010 SPARCS Data as of February, 2012
Respiratory Diseases

Asthma hospitalization rate per 10,000
2008-2010

Source: 2008-2010 SPARCS Data as of February, 2012
Respiratory Diseases
Indicator #15 Respiratory Diseases

% Adults ever have asthma

<table>
<thead>
<tr>
<th></th>
<th>2003</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livingston and Ontario Counties</td>
<td>11.5%</td>
<td>20%</td>
</tr>
<tr>
<td>NYS</td>
<td>11.5</td>
<td>15.2%</td>
</tr>
</tbody>
</table>

Source: Expanded BRFSS
Indicator #15 Respiratory Diseases
Asthma Mortality

*Fewer than 20 events in the numerator; therefore the rate is unstable; 3 Year Total for Liv. Co.=3 Asthma-related mortalities

Source: NYSDOH
Indicator #15 Respiratory Diseases
COPD Mortality

Source: NYSDOH
Strengths

- Asthma hospitalization rates are decreasing
- Chronic lower respiratory disease rates are low
- Asthma mortality rates are decreasing
Opportunities

- Adults with current asthma
- COPD mortality rates are increasing
Trends to Watch
Indicator #16

STD
Interpretation limited due to small numbers.

Source: Livingston County Communicable Diseases
Chlamydia became reportable in 2001. Reported number of chlamydia cases is increasing likely due to better compliance with reporting requirements.

Source: HIN and Livingston County Communicable Disease
Indicator #16 STDs
Chlamydia Cases of Chlamydia- Livingston County

Source: NYSDOH
Strengths

• Low number of cases of syphilis and gonorrhea
Opportunities

• Number of chlamydia cases are increasing
Trends to Watch

• Number of cases of syphilis and gonorrhea
Indicator #17

Substance Abuse
Indicator #17
Substance Abuse
Cirrhosis Mortality

Due to low numbers, caution must be exercised in interpreting changes.

Source: NYSDOH
Indicator #17 Substance Abuse
Adults and Alcohol

- Based on Expanded Behavioral Risk Factor Surveillance Survey 2003:
  - Prevalence of Binge Drinking among Adults:
    - Livingston and Ontario Counties: 14.3
    - NYS 14.1

- Based on Expanded Behavioral Risk Factor Surveillance Survey 2009:
  - Prevalence of Binge Drinking among Adults:
    - Livingston County: 19.7
    - NYS 18.1
    - NYS 2017 Obj. 18.4

April to August, 2013
- Liv Co 18.0*
- NYS 14.8

*Rate is unstable as estimates based on <50 observations
Indicator #17
Substance Abuse
## Indicator #17 Substance Abuse

**Lifetime Use (Percent of Youth Reporting Ever Used in Lifetime)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Average</td>
<td>56%</td>
<td>47%</td>
<td>37%</td>
<td>34%</td>
<td>51.0%</td>
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<tr>
<td>6th grade</td>
<td>20.0%</td>
<td>19.5%</td>
<td>11.0%</td>
<td>6.2%</td>
<td></td>
</tr>
<tr>
<td>8th grade</td>
<td>44.3%</td>
<td>34.8%</td>
<td>24.6%</td>
<td>19.1%</td>
<td>29.5%</td>
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<tr>
<td>10th grade</td>
<td>78.1%</td>
<td>57.4%</td>
<td>45.6%</td>
<td>45.0%</td>
<td>54.0%</td>
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<td>12th grade</td>
<td>85.7%</td>
<td>77.6%</td>
<td>65.8%</td>
<td>65.7%</td>
<td>69.4%</td>
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</table>

Source: 2013 Livingston County Youth PNA Survey Trend Report
## Indicator #17 Substance Abuse

**Lifetime Use (Percent of Youth Reporting Ever Used in Lifetime)**

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Average</td>
<td>30.0%</td>
<td>22.3%</td>
<td>17.2%</td>
<td>15%</td>
<td>27.6%</td>
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<td>6th grade</td>
<td>7.0%</td>
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<td>10th grade</td>
<td>38.1%</td>
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<td>19.0%</td>
<td>22.7%</td>
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<td>12th grade</td>
<td>55.0%</td>
<td>41.9%</td>
<td>33.2%</td>
<td>30.3%</td>
<td>39.5%</td>
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</table>

Source: 2013 Livingston County Youth PNA Survey Trend Report
## Indicator #17 Substance Abuse

<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Average</td>
<td>11.6%</td>
<td>10.5%</td>
<td>8.3%</td>
<td>9%</td>
<td>24.1%</td>
</tr>
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<td>6th grade</td>
<td>1.9%</td>
<td>1.5%</td>
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<td>0.8%</td>
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</tr>
<tr>
<td>8th grade</td>
<td>8.5%</td>
<td>8.2%</td>
<td>3.4%</td>
<td>3.0%</td>
<td>8.1%</td>
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<tr>
<td>10th grade</td>
<td>14.8%</td>
<td>10.3%</td>
<td>11.2%</td>
<td>12.9%</td>
<td>15.4%</td>
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<tr>
<td>12th grade</td>
<td>21.0%</td>
<td>22.0%</td>
<td>16.5%</td>
<td>20.7%</td>
<td>17.4%</td>
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</table>

Source: 2013 Livingston County Youth PNA Survey Trend Report
## Indicator #17 Substance Abuse

<table>
<thead>
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<td>31.3%</td>
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<td>2.1%</td>
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<td>2.0%</td>
<td>0.3%</td>
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<tr>
<td>8th grade</td>
<td>13.4%</td>
<td>7.9%</td>
<td>7.5%</td>
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<td>15.0%</td>
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<tr>
<td>10th grade</td>
<td>36.5%</td>
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<td>24.1%</td>
<td>27.4%</td>
<td>33.8%</td>
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<td>42.7%</td>
<td>38.4%</td>
<td>42.2%</td>
<td>45.2%</td>
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</table>

Source: 2013 Livingston County Youth PNA Survey Trend Report
## Indicator #17 Substance Abuse

<table>
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<td>4.2%</td>
<td>4.9%</td>
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<td>0.0%</td>
<td>0.4%</td>
<td>N/A</td>
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<tr>
<td>8th grade</td>
<td>3.7%</td>
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<td>1.5%</td>
<td>0.9%</td>
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<td>7.3%</td>
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<td>5.9%</td>
<td>7.6%</td>
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Source: 2013 Livingston County Youth PNA Survey Trend Report
Indicator #17 Substance Abuse

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<tr>
<td>8th grade</td>
<td>1.3%</td>
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<td>0.4%</td>
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<td>0.8%</td>
</tr>
<tr>
<td>10th grade</td>
<td>1.7%</td>
<td>0.9%</td>
<td>0.5%</td>
<td>1.3%</td>
<td>1.1%</td>
</tr>
<tr>
<td>12th grade</td>
<td>2.9%</td>
<td>2.1%</td>
<td>0.7%</td>
<td>0.8%</td>
<td>1.1%</td>
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</table>

Source: 2013 Livingston County Youth PNA Survey Trend Report
Indicator #17 Substance Abuse
Number of Livingston County Residents Admitted to OASAS Programs, 2008-2013

<table>
<thead>
<tr>
<th></th>
<th>2008</th>
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<th>2010</th>
<th>2011</th>
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<th>2013 (YTD)</th>
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<td>427</td>
<td>453</td>
<td>462</td>
<td>428</td>
<td>412</td>
<td>218</td>
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</tbody>
</table>

Data Source: OASAS Client Data System
Indicator #17 Substance Abuse

Most Frequent Primary Substances Identified for Admissions
2008-2013

- Alcohol
- Cocaine
- Crack
- Heroin
- Marijuana
- Other Opiate/Synth
- Oxycontin

Data Source: OASAS Client Data System
Indicator #17 Substance Abuse

Age of Residents Admitted to Substance Use Services, 2008-2013

Data Source: OASAS Client Data System
Indicator #17 Substance Abuse

Percent of Individuals Admitted to SA Services with History of MH Treatment, 2008-2013

Data Source: OASAS Client Data System
Strengths
Opportunities

- Binge drinking among adults remains high
- Alcohol use among youth is decreasing somewhat, remains an issue
- Marijuana use among youth is increasing
- Opiate use is increasing
Trends to Watch

• Cirrhosis mortality

• Drug related hospitalization rates decreasing

• Use and sale of bath salts
Indicator #18

Tobacco Use
Tobacco
Adult Smoking Rate

Source: Livingston County Tobacco Action Partnership Community Survey

NYS 2017 Prevention Agenda Obj.: 15
Tobacco

No Smoking Allowed in Home

No Smoking Allowed in Vehicle

Source: Livingston County Tobacco Action Partnership Community Survey
Alcohol, Tobacco and Substance Use among youth

Please refer to PNA data report from CASA of Livingston County
Strengths
Opportunities

• Tobacco use among adults is lower than NYS and exceeds national benchmark per county health rankings
Trends to Watch

- Tobacco use is decreasing among youth
- Use of smokeless tobacco
- Use of e cigarettes
Indicator #19

Hearing
Indicator #19  Hearing
Pediatric Otitis Media Hospitalizations
(0-4 years of age)

Source: New York State Department of Health County Health Indicator Profiles
Indicator #19  Hearing

Noyes Hospital Live Births

Hearing Test

Source: Noyes Hospital
Strengths

- Pediatric Otitis Media hospitalization rate and low and continues to decrease
Opportunities
Trends to Watch

• Number of newborn hearing tests failed
Emerging Health Issues
Social and Emotional Health

• NYS Office of Mental Health estimates that in 2011:
  • Approximately 441 adults and 129 children/youth from Livingston County accessed MH services every week.
  • Among these adults, 54% accessed outpatient services; 49% accessed community support services; and 8% accessed residential services.
  • Among these children and youth, 78% accessed outpatient services and 28% accessed community support services.

Source: NYS OMH 2011 Patient Characteristics Survey
Social and Emotional Health

- Medicaid Data:
  - Total unduplicated individuals with Medicaid Mental Health Service Utilization during Fiscal Year 2012: 625 (Medicaid only - underestimates total number of people receiving services).
  - Number receiving MH Clinic Treatment in Fiscal Year 2012: 609 (Medicaid only – underestimates total number of people receiving services).

Source: Medicaid - Department of Health eMedNY extract for NYS OMH
Social and Emotional Health

Livingston County Mental Health Clinic served a total of 955 people in 2012.

• Medicaid is the payor for only 50-60% of our County clinic enrollees.

• Total Served by Age
  
  Under 18 187 (20%)
  18-59 695 (73%)
  60+ 73 (7%)

• Total Served by Gender
  
  Female 540 (57%)
  Male 415 (43%)

Source: Livingston County Mental Health
Social and Emotional Health

• Housing and residential supports in our county are minimal and consistent primarily of a limited number of OMH supported housing beds, Section 8/HUD programs, and temporary emergency housing in local motels.

• There are no other levels of residential care available within our county (e.g., OMH or OASAS Community Residences; MH Treatment Apartments; OASAS Supportive Apartments; affordable housing options; etc.).

• OMH supported housing beds in our county are regularly filled to over 90% capacity (94.7% as of 3/31/13), higher than the state average. Out of county placements can result in economic burden for families/friends due to travel expenses and time required resulting in less contact.

• Sources: OASAS; OMH; OPWDD
Social and Emotional Health

- Transportation alternatives are extremely limited in our rural county.
- Providers across all service areas (MH/CD/DD) find that clients have difficulty accessing even the most essential services.
- Medicaid transportation is available through the Department of Social Services but this resource presents its own set of challenges, and those not on Medicaid or who need special arrangements lack adequate transportation resources.
- A recent planning survey conducted by the LGU found that approximately 50% of respondents specifically identified transportation and/or the geographic availability of services as major challenges in our local service system.

Sources: OASAS; OMH; OPWDD
Social and Emotional Health

• Livingston County has two outpatient MH clinics and one CD clinic provider with two locations.

• There are no crisis or inpatient services within our county. There is a need for an increased range of services (e.g., Inpatient MH/CD; PROS; Day programs; detox; etc.) as evidenced by:

  1. Residents who go out of county for such services: Among county residents using Medicaid during 2012, the most frequently accessed out of county programs were inpatient MH (N=68), PROS/Day Treatment/CDT (N=39) Inpatient Rehab (N=38), and Hospital-base detox (N=17) and OMH Partial Hospitalization (N=9). Please note these numbers reflect Medicaid services only and therefore underestimate the current need.

  2. The results of a recent planning survey conducted by the LGU which found that 51% of respondents indicated the need for a wider range of services.

Source: Liv Co MH planning priority 2013-14
## Social and Emotional Health

<table>
<thead>
<tr>
<th>Poor mental health 14 or more days within past month among adults</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Livingston County</td>
<td>8.5</td>
</tr>
<tr>
<td>NYS</td>
<td>10.2</td>
</tr>
<tr>
<td>NYS 2017 obj.</td>
<td>10.1</td>
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</table>

April to August, 2013
Liv Co 10.5
NYS 10.3

Source: BRFSS, 2013

Source: BRFSS, 2009
# Alzheimer’s and Dementia

<table>
<thead>
<tr>
<th></th>
<th>Livingston County</th>
<th>New York State</th>
<th>USA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Person 65+ w/ Alzheimers</td>
<td>1,114</td>
<td>337,567</td>
<td>5,175,803</td>
</tr>
<tr>
<td>Person w/ younger onset Alzheimers</td>
<td>45</td>
<td>13,503</td>
<td>207,032</td>
</tr>
<tr>
<td>Unpaid caregiver of person 65+ w/ Alzheimers</td>
<td>2,420</td>
<td>990,490</td>
<td>14,900,000</td>
</tr>
<tr>
<td>Paid caregiver of person 65+ w/ Alzheimers</td>
<td>3,008</td>
<td>891,393</td>
<td>14,000,000</td>
</tr>
</tbody>
</table>

Source: US Census 2010
Strengths
Opportunities

- Mental health Medicaid utilization
- No inpatient mental health services in county
- Alzheimer/dementia diagnosis among residents
Trends to Watch