Vital Signs:
Colorectal Cancer
Screening, Incidence, and Mortality
United States, 2002—2010

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Methods
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- State-specific data for colorectal cancer (CRC) incidence and mortality rates for 2007
- Annual percentage changes (APC) from 2003 to 2007
- Updated CRC screening prevalence data from the 2010 Behavioral Risk Factor Surveillance System (BRFSS) survey
Methods

• Up-to-date screened for CRC was defined in MMWR as:
  – Percentage of adults who reported having had an FOBT within the past year or a lower endoscopy (sigmoidoscopy or colonoscopy) within the preceding 10 years among adults aged 50 to 75 years
Results
Incidence
Age-adjusted CRC Incidence by State, 2000

Maryland
Ranking: 22nd highest

56.7

2000

Source: National Program of Cancer Registries (NPCR)
Age-adjusted CRC Incidence by State, 2000 and 2007

Maryland
Ranking: 22nd highest

Maryland
Ranking: 39th highest

Source: National Program of Cancer Registries (NPCR)
Maryland: First in the United States in Decreasing Colorectal Cancer Incidence Rates 2003--2007
Annual Percent Change in CRC Incidence by State, 2003--2007

Maryland: First in the US

Data source: MMWR July 8, 2011 / Vol. 60 / No. 26
Mortality
CRC Screening
Colorectal Cancer: Up-To-Date Screening by State, 2010

MMWR July 8, 2011 / Vol. 60 / No. 26 from Behavioral Risk Factor Surveillance System Population-based Survey
Summary of results
## Results for Maryland

<table>
<thead>
<tr>
<th>Measured decrease</th>
<th>APC* 2003-2007 (95% C.I.)</th>
<th>Maryland’s Ranking of APC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incidence rate</td>
<td>-6.5 (-9.0, -4.0)</td>
<td>1\textsuperscript{st} out of 49</td>
</tr>
<tr>
<td>Mortality rate</td>
<td>-3.1 (-3.6, -2.7)</td>
<td>16\textsuperscript{th} out of 51</td>
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</tbody>
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<th>Measured</th>
<th>Percent (95% C.I.)</th>
<th>Maryland’s Ranking</th>
</tr>
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<tr>
<td>Screening in 2010</td>
<td>72.6 (70.8-74.3)</td>
<td>6\textsuperscript{th} out of 51</td>
</tr>
</tbody>
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*Annual percent change*
Summary

• Nationwide, CRC incidence decreased 13% and mortality decreased 12% from 2003 to 2007, a decline of 66,000 cases and 32,000 deaths compared to 2002
• Nationwide, CRC screening prevented approximately half of the expected new CRC cases and deaths during 2003-2007
• Maryland is among the states with the higher screening rates in 2010
• Maryland had the largest incidence rate decrease from 2003 to 2007
• Maryland is tied at 16th place with Georgia and West Virginia with the largest mortality rate decrease