Colorectal Cancer in Arizona
-- Tracking Progress in Colorectal Screening --
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Arizona Dept of Health Services
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Data Sources Used to Track Progress:
• Arizona Cancer Registry
  – Incidence rate
  – Stage
• Arizona Vital Statistics (Death certificates)
  – Mortality rate
• Behavioral Risk Factor Survey
  – Self-reported screening rate

Distribution of Invasive Case Sites, Based on Average Annual Count, Arizona, 1999-2001.

Source: Arizona Cancer Registry
Colorectal Cancer Incidence* and Mortality Counts, Arizona

<table>
<thead>
<tr>
<th>Year</th>
<th>Incidence</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>2040</td>
<td>796</td>
</tr>
<tr>
<td>1996</td>
<td>2159</td>
<td>819</td>
</tr>
<tr>
<td>1997</td>
<td>2210</td>
<td>772</td>
</tr>
<tr>
<td>1998</td>
<td>2316</td>
<td>848</td>
</tr>
<tr>
<td>1999</td>
<td>2306</td>
<td>808</td>
</tr>
<tr>
<td>2000</td>
<td>2473</td>
<td>888</td>
</tr>
<tr>
<td>2001</td>
<td>2456</td>
<td>871</td>
</tr>
<tr>
<td>2002</td>
<td>2338</td>
<td>887</td>
</tr>
</tbody>
</table>

*Invasive neoplasms
Source: Arizona Vital Statistics and Cancer Registry, June 2005

Arizona CRC Incidence Rates Compared to US CRC and Selected AZ Cancer Sites, 1995-2000

*Rate per 100,000, age-adjusted to the 2000 US Standard Population. Invasive cases only.
Mortality Rate for Colorectal Cancer

- US Rate  - Arizona Rate

*Rate per 100,000, age-adjusted to the 2000 US Standard Population

Source: SEER, Canques

CRC Age-Specific Incidence Rate,
Arizona, 1995-2000

*Age-specific rate per 100,000 population in age group.

Source: Arizona Cancer Registry, Oct 2003
Colorectal Cancer Incidence Rates by Race/Ethnicity, Arizona, 1999-2001

Source: Arizona Cancer Registry

AJCC Stage of CR Neoplasm, All ages, Arizona, 1995-2002 by Race/ethnicity (N=19,401)

White, Non Hispanic

White, Hispanic

Black

American Indian

Asian or Pacific Islander

Other and Unknown

Arizona Cancer Registry: best AJCC Stage, 2005
The category of “Clinically Classified Neoplasms” includes tumors classified with cTNM; it excludes tumors that were pathologically (pTNM) staged. Source: Arizona Cancer Registry, June 2005.
Colorectal Screening -- Arizona BRFS data
Percent of adults age 50 or older meeting the screening guidelines*

<table>
<thead>
<tr>
<th>Year</th>
<th>Met the Guideline</th>
<th>Goal</th>
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</thead>
<tbody>
<tr>
<td>2001</td>
<td>48.7%</td>
<td>75%</td>
</tr>
<tr>
<td>2002</td>
<td>52.8%</td>
<td>75%</td>
</tr>
<tr>
<td>2003</td>
<td>51.4%</td>
<td>75%</td>
</tr>
<tr>
<td>2004</td>
<td>51.4%</td>
<td>75%</td>
</tr>
<tr>
<td>2005</td>
<td>51.4%</td>
<td>75%</td>
</tr>
<tr>
<td>2006</td>
<td>51.4%</td>
<td>75%</td>
</tr>
<tr>
<td>2007</td>
<td>51.4%</td>
<td>75%</td>
</tr>
<tr>
<td>2008</td>
<td>51.4%</td>
<td>75%</td>
</tr>
</tbody>
</table>

*Had FOBT within past year, or sigmoid/colonoscopy within past 5 years, or both.

Summary

- AZ incidence rate shows no time-trend
- AZ mortality rate is decreasing
- Incidence rates are highest among Blacks and Whites, but are significantly lower among American Indians, Asians, and Hispanics
- Most cases are diagnosed in late stage, regardless of race
- 51.4% of adults age 50+ report meeting the screening guidelines in 2004 (no change from 2001-2002)