National Cancer Control Strategy – United States: Are We Skating to Where the Puck will Be?

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Deputy Director, Division of Cancer Control & Population Sciences

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June 13, 2006
Presentation Summary

- Brief overview of CCC in the U.S. from an national partner perspective
- Review the Cancer Control PLANET knowledge integration model
- Does expanding Cancer Control PLANET with Canadian content make sense?
Do we have a U.S. Cancer Control Strategy?

- No, there is no national strategy in the U.S. applying uniformly to all states, tribes, and territories.
- Yes, we have a national partnership model for promoting comprehensive cancer control planning and implementation by states, tribes, territories.
- NCI’s primary role in the partnership is to support the integration of science with service.
American Samoa, Commonwealth of Northern Mariana Islands, Federated States of Micronesia, Guam, and Republic of the Marshall Islands are funded through a cooperative agreement with the University of Hawaii.
Evidence-based Knowledge

“The transfer of evidenced-based knowledge into routine or representative practice”

What is Evidence.....?

- Surveillance Data
- Systematic Reviews of Multiple Intervention Research Studies
- One Intervention Research Study
- Program Evaluation
- Word of Mouth/Marketing
- Personal Experience

...like beauty, it's in the eye of the beholder
KNOWLEDGE INTEGRATION

Explicit Evidence-Based Knowledge  

Informed Application  

Tacit Practice and Contextual Knowledge

“The informed combination of evidence-based knowledge and practice/ contextual knowledge into local community applications.”

Follow 5 steps to develop a comprehensive cancer control plan or program

**Step 1** Assess program priorities
- State Cancer Profiles (CDC, NCI)
  - Statistics for prioritizing cancer control efforts in the nation, states, and counties

**Step 2** Identify potential partners
- Find Program Partners in Cancer Control
- Find Research Partners in Cancer Control
  - Contact information for ACS, CDC and NCI program partners and research partners by state and region

**Step 3** Research reviews of different intervention approaches
- Guide to Community Preventive Services (Federally sponsored)
  - Recommendations for population-based intervention approaches
- Guide to Clinical Preventive Services (AHRQ)
  - Recommendations on screening, counseling, and other clinical regimens
- Additional Research Evidence Reviews

**Step 4** Find research-tested intervention programs and products
- Research-tested Intervention Programs (RTIPs) (NCI, SAMHSA)
  - Summary statements, ratings, and products from cancer prevention and control programs tested in research

**Step 5** Plan and evaluate your program
- Guidance for Comprehensive Cancer Control Planning (CDC)
- Comprehensive Cancer Control Plans
  - State, tribe and territory plans
- Put Prevention Into Practice (AHRQ)
  - Guidance for linking research and practice

Find information by cancer control topic
- Breast Cancer
- Cervical Cancer
- Colorectal Cancer
- Diet / Nutrition
- Informed Decision Making
- Physical Activity
- Sun Safety
- Tobacco Control

**PLANET Sponsors**

Note: This web site is best viewed in Internet Explorer [version 5.0 or higher] or Netscape [version 7.0 or higher] at a screen resolution of 1024 by 768 or more.

We welcome your feedback on the Cancer Control PLANET and its satellite Web sites. To submit feedback, please contact us. Thank you for helping to improve this site for the cancer control community.

http://cancercontrolplanet.cancer.gov
State Cancer Profiles

5-Year Rate Changes

Area: United States
Data: Mortality
Race: All Races
Sex: Both Sexes

Choose age group:
- All Ages
- <50
- 50+
- <65
- 65+

5-Year Rate Changes - Mortality
United States, 1998-2002
All Ages, Both Sexes, All Races

All Cancer Sites
- Prostate
- Cervix
- Stomach
- Non-Hodgkin Lymphoma
- Oral Cavity & Pharynx
- Colon & Rectum
- Breast (Female)
- Brain & ONS
- Melanoma of the Skin
- Lung & Bronchus

Key
- Green: Falling
- Red: Rising

Sample chart showing rate changes for different cancer sites.
Interactive Graphs and Maps

5 Year Rate Changes
in cancer mortality or incidence for all major cancer sites by user selectable criteria
learn more...

Historical Trends
compare trends in cancer mortality and incidence by user selectable criteria
learn more...

Latest Rates, Percents, and Counts
explore relationships across geography of mortality, incidence, demographics, or risk factors
learn more...

Interactive Maps
for states or for counties in a state
learn more...

Support Data

Screening and Risk Factors
prevalence percent by state from behavioral surveys
learn more...

Poor Counties
identify counties that are comparable based on a user specified criteria
learn more...

Age Distribution
males and females population sizes by age groups by user selectable criteria
learn more...

Links

State Registry Contacts
US Cancer Statistics: 2003 Incidence
Resources for Cancer Control:
Cancercontrolplanet.cancer.gov
Cancer Progress Report - 2003 Update
Annual Report to the Nation
CDC's National Program of Cancer Registries
NCI's SEER - Surveillance, Epidemiology, and End Results
Cancer Facts and Figures (American Cancer Society)
Finding Cancer Statistics
more...

Note: This Web site is best viewed in Internet Explorer (version 5.0 or higher) or Netscape (version 7.0 or higher) at a screen resolution of 1024 by 768 or more.
Age-Adjusted Death Rates for United States, 1998 - 2002
Colon & Rectum
All Races, Both Sexes, All Ages

Nevada 1998 - 2002
Age-adjusted death rate = 22.7 (21.7 - 23.7)

Age-Adjusted Annual Death Rate (Deaths per 100,000)

<table>
<thead>
<tr>
<th>Quantile Interval</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.7 to 26.4</td>
<td>5</td>
</tr>
<tr>
<td>21.8 to 22.6</td>
<td>10</td>
</tr>
<tr>
<td>21.0 to 21.7</td>
<td>15</td>
</tr>
<tr>
<td>19.8 to 20.9</td>
<td>20</td>
</tr>
<tr>
<td>18.2 to 19.7</td>
<td>25</td>
</tr>
<tr>
<td>16.1 to 18.1</td>
<td>30</td>
</tr>
</tbody>
</table>

United States Rate (95% C.I.)
20.5 (20.4 - 20.6)

Healthy People 2010 Goal 03-05
13.9

Created by statecancerprofiles.cancer.gov on 11/28/2005 10:30 am.
State Cancer Registries may provide more current or more local data.
Healthy People 2010 Goal 03-05: Reduce the colorectal cancer death rate to 13.9.
Healthy People 2010 Objectives provided by the Centers for Disease Control and Prevention.
Source: Death data provided by the National Vital Statistics System public use data file. Death rates calculated by the National Cancer Institute using SEER*Stat. Death rates are age-adjusted to the 2000 US standard population by 5-year age groups. Population counts for denominators are based on Census populations as modified by NCI.
Age-Adjusted Death Rates for Nevada, 1998 - 2002
Colon & Rectum
All Races, Both Sexes, All Ages

Elko County 1998 - 2002
Age-adjusted death rate = 29.4 (20.0 - 41.8)

Age-Adjusted Annual Death Rate (Deaths per 100,000)

<table>
<thead>
<tr>
<th>Quantile Interval</th>
<th>Rate (95% C.I.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.6 to 29.4</td>
<td>20.5 (20.4 - 20.6)</td>
</tr>
<tr>
<td>22.8 to 23.5</td>
<td>21.7 (21.7 - 23.7)</td>
</tr>
<tr>
<td>18.9 to 22.7</td>
<td>22.7 (21.7 - 23.7)</td>
</tr>
<tr>
<td>18.5 to 18.8</td>
<td></td>
</tr>
<tr>
<td>15.6 to 18.4</td>
<td></td>
</tr>
<tr>
<td>15.5</td>
<td></td>
</tr>
<tr>
<td>Suppressed¹</td>
<td></td>
</tr>
</tbody>
</table>

United States
Nevada
Healthy People 2010
Goal 03-05
13.9


State Cancer Registries may provide more current or more local data.

¹ Data have been suppressed to ensure confidentiality and stability of rate estimates.
Healthy People 2010 Goal 03-05: Reduce colorectal cancer death rate to 13.9.

Healthy People 2010 Objectives provided by the Centers for Disease Control and Prevention.
Source: Death data provided by the National Vital Statistics System public use data file. Death rates calculated by the National Cancer Institute using SEER*Stat. Death rates are age-adjusted to the 2000 US standard population by 5-year age groups. Population counts for denominators are based on Census populations as modified by NCI.
<table>
<thead>
<tr>
<th>Criteria</th>
<th>Silver</th>
<th>Gold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completeness</td>
<td>90%</td>
<td>95%</td>
</tr>
<tr>
<td>% Passing EDITS</td>
<td>97%</td>
<td>100%</td>
</tr>
<tr>
<td>Death Certificate Only Cases</td>
<td>&lt;=5%</td>
<td>&lt;=3%</td>
</tr>
<tr>
<td>Timeliness</td>
<td>By 02 Dec 2005 (23 months)</td>
<td></td>
</tr>
<tr>
<td>Duplicate Reports</td>
<td>&lt;=2/1,000</td>
<td>&lt;=1/1,000</td>
</tr>
<tr>
<td>Missing Data Field Sex, Age, Count</td>
<td>&lt;=3%</td>
<td>&lt;=2%</td>
</tr>
<tr>
<td>Missing Data Field Race</td>
<td>&lt;=5%</td>
<td>&lt;=3%</td>
</tr>
</tbody>
</table>

Gold And Silver Level Certification Status of NAACCR Canadian Cancer Registries for 2002 Data
Welcome

PLANET for Health is a web portal that provides links to comprehensive planning resources for public health professionals.
Countries collaborating through the PLANET web portal

- **PLANET implemented**
  - United States ([website](#))

- **PLANET under construction**
  - Canada

- **PLANET under consideration**
  - Australia
  - China
  - Czech Republic
  - France
  - India
  - Israel
  - Latvia
  - Tanzania
  - United Kingdom
## Provincial Cancer Profiles

Dynamic views of cancer statistics for prioritizing cancer control efforts in the provinces and territories.

### Quick Profiles

<table>
<thead>
<tr>
<th>Area</th>
<th>Choose a province or territory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer</td>
<td>Choose a cancer site</td>
</tr>
</tbody>
</table>

- Generate Profile

### Comparison Tables

- **Rate/Trend Comparisons**
  - Set higher priority for cancer control when rates are high or rising
  - prioritize cancer sites for a specific area
  - prioritize areas for a specific cancer site

- **Death Rates**
  - for provinces and territories or sub areas

- **Incidence Rates**
  - for provinces and territories with high quality registries

### Interactive Graphs and Maps

- **5-Year Rate Changes**
  - in cancer mortality or incidence for all major cancer sites by user-selectable criteria
  - learn more...

- **Historical Trends**
  - compare trends in cancer mortality and incidence by user-selectable criteria
  - learn more...

- **Latest Rates, Percent, and Counts**
  - explore relationships across geography or mortality, incidence, demographics, or risk factors
  - learn more...

- **Interactive Maps**
  - for provinces and territories or sub areas
  - learn more...

### Support Data

- **Screening and Risk Factors**
  - prevalence percents from behavioral surveys
  - learn more...

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**New Releases**

- 2004 Screening and Risk Factors
- 2003 Incidence Data
- 2003 Mortality Data

**Release Schedule**

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**Help & About**

- About this Site
- Quick Reference Guides
- Tutorials
- Interpret Rankings
- Data Use Restrictions
- Low Vision/Accessibility

Note: This Web site is best viewed in Internet Explorer (version 6.0 or higher) or Netscape (version 7.0 or higher) at a screen resolution of 1024 by 768 or more.
Age-Adjusted Death Rates for Canada, 1992-2001
All Cancer Sites
Both Sexes, All Ages

Age-Adjusted
Annual Death Rate
(Deaths per 100,000)
 Quantile Interval
- 215.9 to 333.5
- 209.8 to 215.8
- 202.0 to 209.7
- 193.6 to 201.9
- 178.2 to 193.5
- 171.9 to 178.1

Canada Rate (95% C.I.)
193.0 (192.5 – 193.6)
Are we skating to where the puck will be?

• Given the national strategy for cancer control in Canada does expanding the CCPLANET with Canadian content make sense?

• If yes, how best to proceed?
  – Provincial role (individual and/or collective), Statistics Canada role, NAACCR role?
  – What should be the reporting standard set for all Canadian incidence data (NAACCR silver or gold)?
  – Timeline?

• Other questions?