



Eliminating Cancer in Alaska—A Roadmap

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Cancer by the Numbers

- $\frac{1}{2}$ of all **men** & $\frac{1}{3}$ of all **women** will have cancer.
- **1.66 million** Americans will be **diagnosed** with cancer in 2015.
- In 2015, over **580,000** Americans **will die**, that's **1,600 a day**.
- Cancer **will cost** Americans **\$201.5 billion**.
- There are about **15 million** living Americans who have **fought or currently have cancer**.



Source: American Cancer Society, Cancer Facts & Figures 2015

Alaska Impact

- 3,700 people will be diagnosed with cancer.
- About 1/4 of those diagnosed with cancer will lose the fight, about 1,040 people.
- 23% of all Alaska deaths are from cancer.
- Cancer is the leading cause of death for Alaska Native Males and Females and Alaska Non-Natives Statewide.



Sources: American Cancer Society, Cancer Facts & Figures 2015; Alaska Native Epidemiology Center

Changing the Facts

With what we know today, **half** of all **cancer deaths** could be **prevented** through changes in:

- **tobacco use,**
- **diet & physical activity, and**
- **ensuring access to health care.**

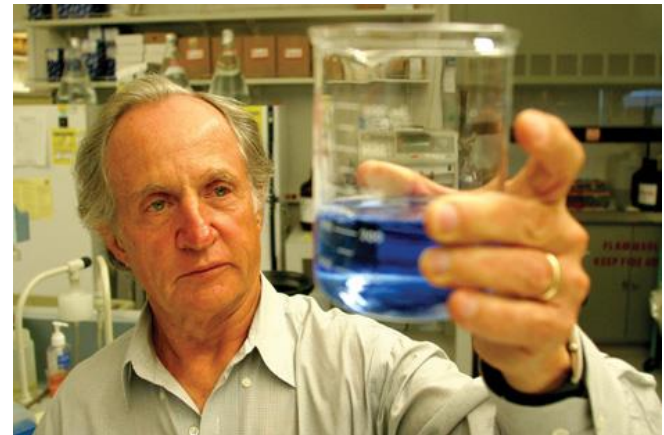
American Cancer Society: Highlights from the first 100 years

- 1936: Women's Field Army begins to educate people about cancer
- 1946: ACS launches its research program
- 1947: First successful chemotherapy treatment for cancer is discovered
- 1954: Link between smoking and lung cancer is confirmed

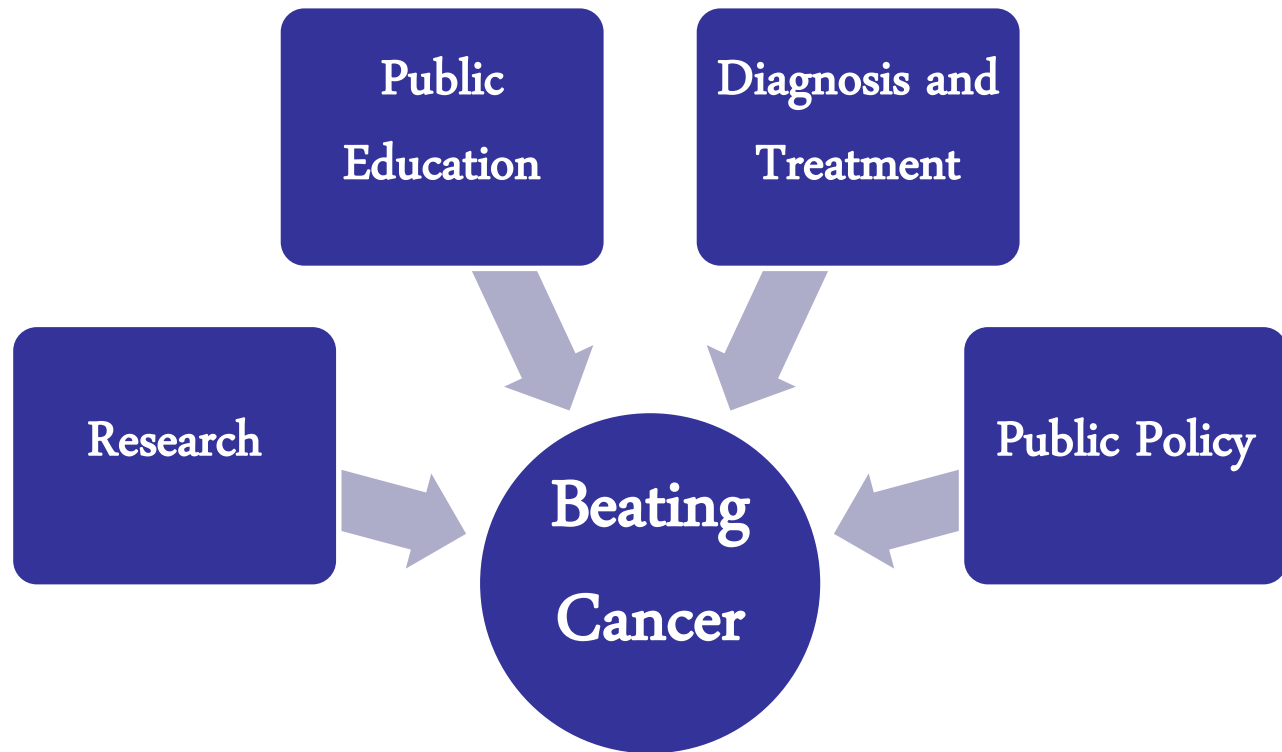


American Cancer Society: Highlights from the first 100 years

- 1971: National Cancer Act passes
- 2000: First successful use of molecularly-targeted therapy to treat cancer
- 2003: Link between obesity and many types of cancer is confirmed
- 2007: First ACS research grant in AK – Dr. Melany Cueva at ANTHC
- 2010: Affordable Care Act passes
- 2011: Two ACS-funded researchers win Nobel Prize—bringing the total to 47

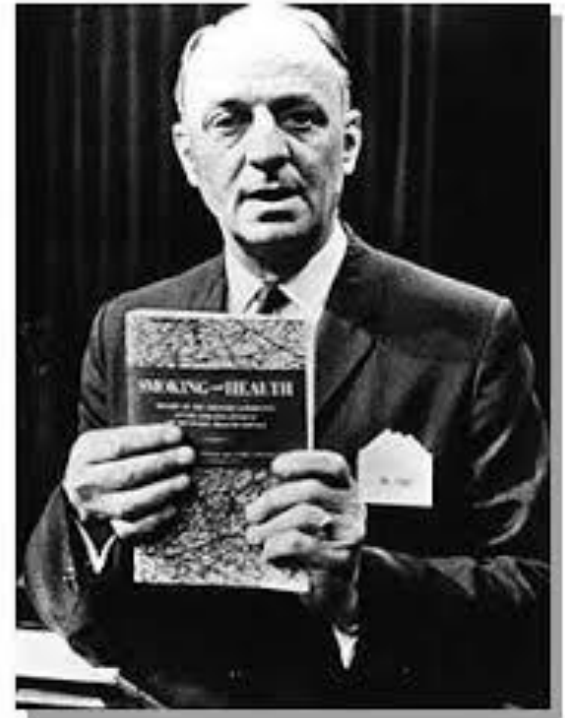


ACS Cancer Action Network launched in 2001



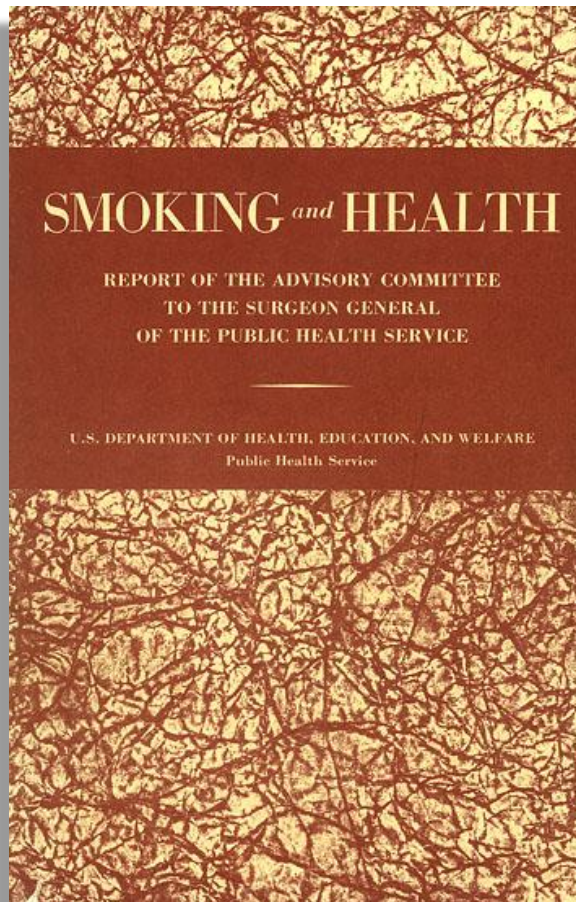
The Surgeon General's Report on Smoking & Health

- 1964 Surgeon General's Report: Linked smoking and lung cancer
- 1988 Surgeon General's Report: Nicotine is addictive
- 2006 Surgeon General's Report: "No risk-free level of exposure to secondhand smoke."

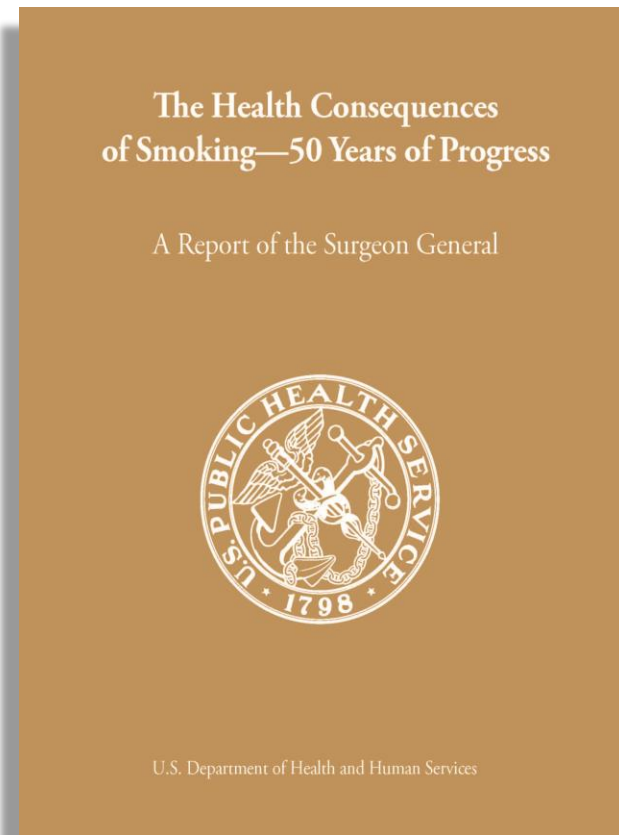


The Health Consequences of Smoking: 50 Years of Progress

A Report of the Surgeon General



1964



2014

New in the 2014 Report:

- Stroke added to the list of diseases caused by secondhand smoke
- Diabetes, colorectal cancer, rheumatoid arthritis... join the list of diseases causally linked to smoking
- Cigarettes are much more dangerous than they were in 1964

Secondhand smoke kills

- 3,400 non-smoking Americans die annually from lung cancer caused by secondhand smoke
- 42,000 non-smoking Americans die annually from heart disease caused by secondhand smoke

Alaska Milestones

- 1997 Alaska passes highest tobacco tax in nation**
- 1998 Alaska joins Tobacco Master Settlement Agreement
Bethel passes smoke-free workplaces**
- 1999 First tobacco prevention program funding**
- 2001 Tobacco Use Education and Cessation Fund created**
- 2003 First decline in youth smoking measured**
- 2004 Cigarette tax doubles**
- 2007 20% drop in adult smoking**
- 2013 70% decline in youth smoking from 1995**

Alaska: Lives and Money Saved

Since 1996:

- 35,000 fewer adult smokers
- Over \$396 million in healthcare cost savings

But:

- 14,000 Alaska youth alive today will die prematurely from tobacco use

New Products: Electronic Cigarettes

“Nicotine is a psychoactive, addictive substance and we don’t think people should have to breathe that in their workplace.”

Tim McAfee, Director

CDC Office of Smoking & Health

Next Steps

- Only half of Alaska's population is covered by a smoke-free workplace law.
- Everyone has the right to breathe smoke-free air.

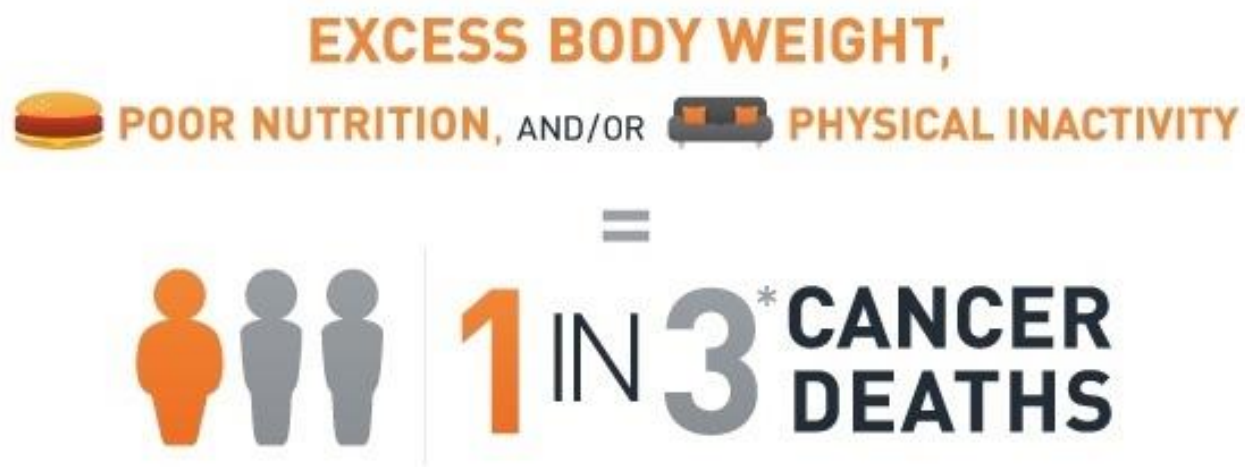
Epidemic Underway



$2/3$

OF AMERICANS (approx.)
ARE OVERWEIGHT OR OBESE

The Cancer Link



*Estimate; source: *Cancer Facts & Figures*, 2012

The Cancer Link

BEING OVERWEIGHT OR OBESE LIKELY RAISES
A PERSON'S RISK OF GETTING AT LEAST



BECAUSE IT MAY NEGATIVELY AFFECT...



The body's immune system
and inflammation

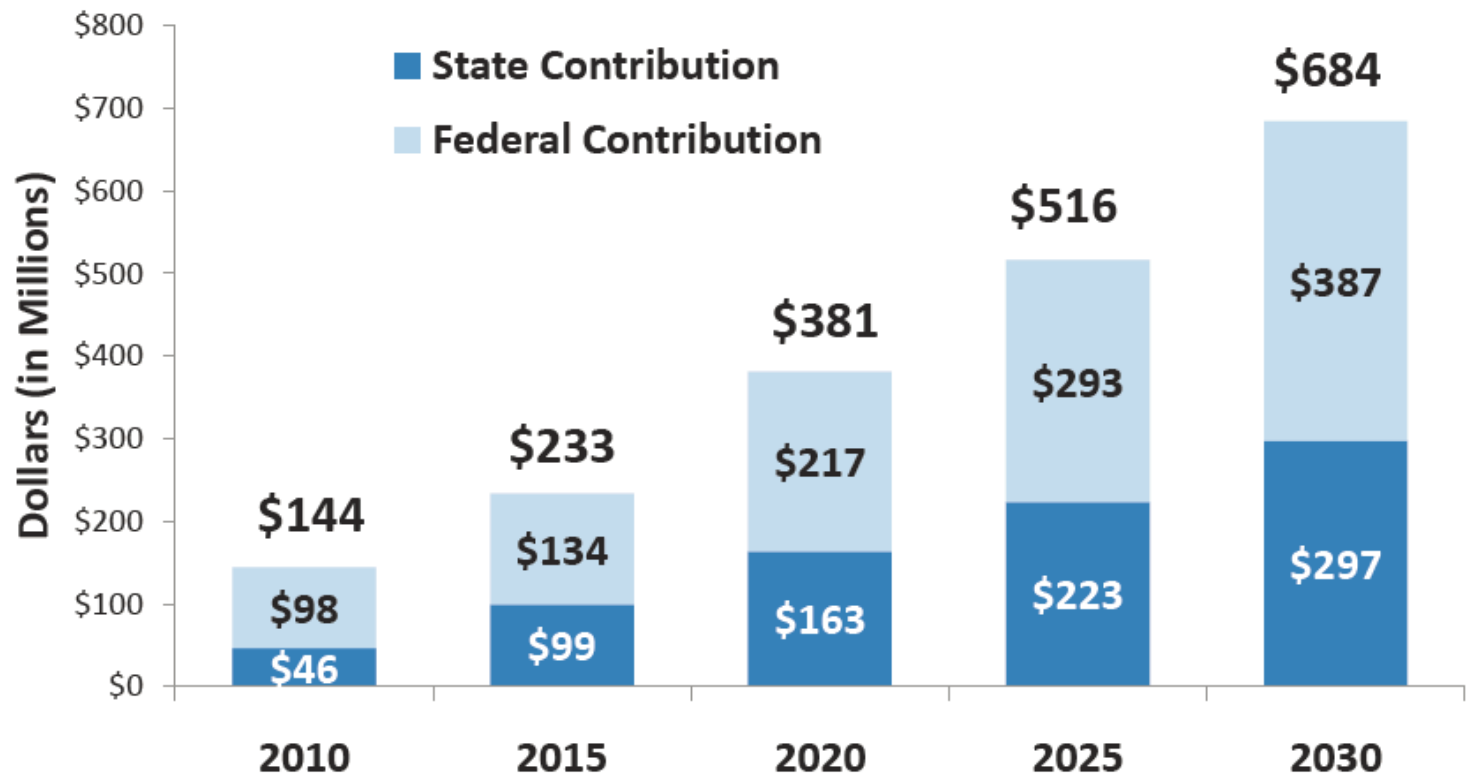


The body's levels of certain
hormones and proteins



How the body's cells grow
and divide

Where we are headed...



*Per Trust for America's Health Projections.

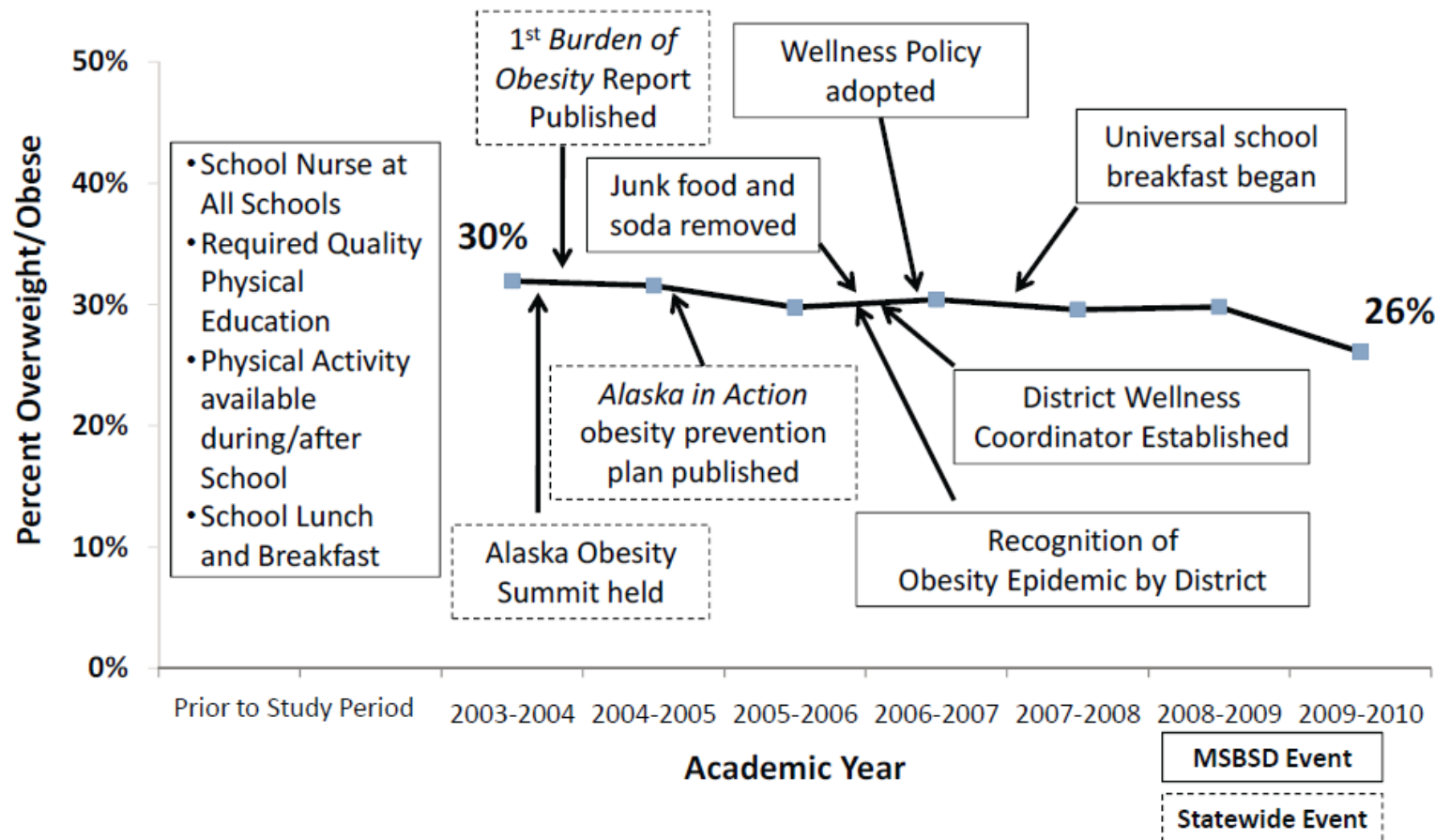
Following current trend, Alaska Medicaid spending projection attributable to obesity

Bucking the Trend

- Obesity rates beginning to drop in Anchorage & Mat-Su School Districts!

Anatomy of Success

Figure 8. Obesity-Related Initiatives and Events in Alaska and MSBSD (2003 to Present)



Access to Care

- Medicaid Expansion
- Access to appropriate pain and symptom management



Next Steps

- Volunteer activity post-Lobby Day
- Working in coalitions
- Educating the public to get them involved
- Follow-up information as you need it
- Responses to other issues you identify
 - Vitamin D
 - Colorectal screening
 - Affordable Care Act implementation issues



Thank You!