



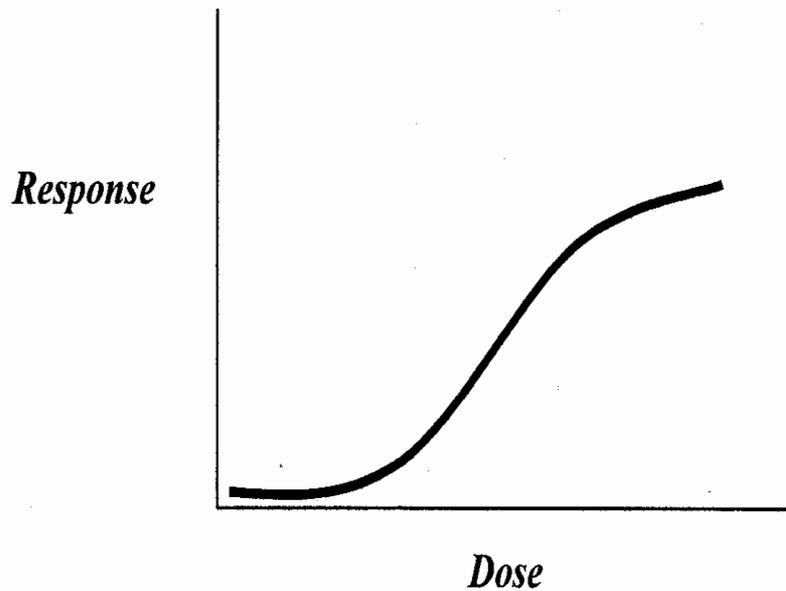
Tools We Can Use To Improve  
Worker Safety and Health  
Charlotte Brody RN, Blue Green Alliance

# A fuzzy siloed view?



# Old thinking: The dose makes the poison

S-Curve



# Internalizing the Cost

State of California Department of Justice

Office of the Attorney General



Kamala D. H

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Press Release › Attorney General Kamala D. Harris Announces \$23.8 Million Se...

## Attorney General Kamala D. Harris Announces \$23.8 Million Settlement with AT&T for Environmental Violations

Thursday, November 20, 2014

Contact: (415) 703-5837



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SAN FRANCISCO – Attorney General Kamala D. Harris and Alameda County District Attorney Nancy E. O'Malley today announced a settlement with AT&T to resolve allegations that hundreds of AT&T's California facilities unlawfully disposed of hazardous waste and material over a nine-year period. As part of



How Do Goodyear's Sustainability Efforts  
Improve  
Worker Safety and Health?

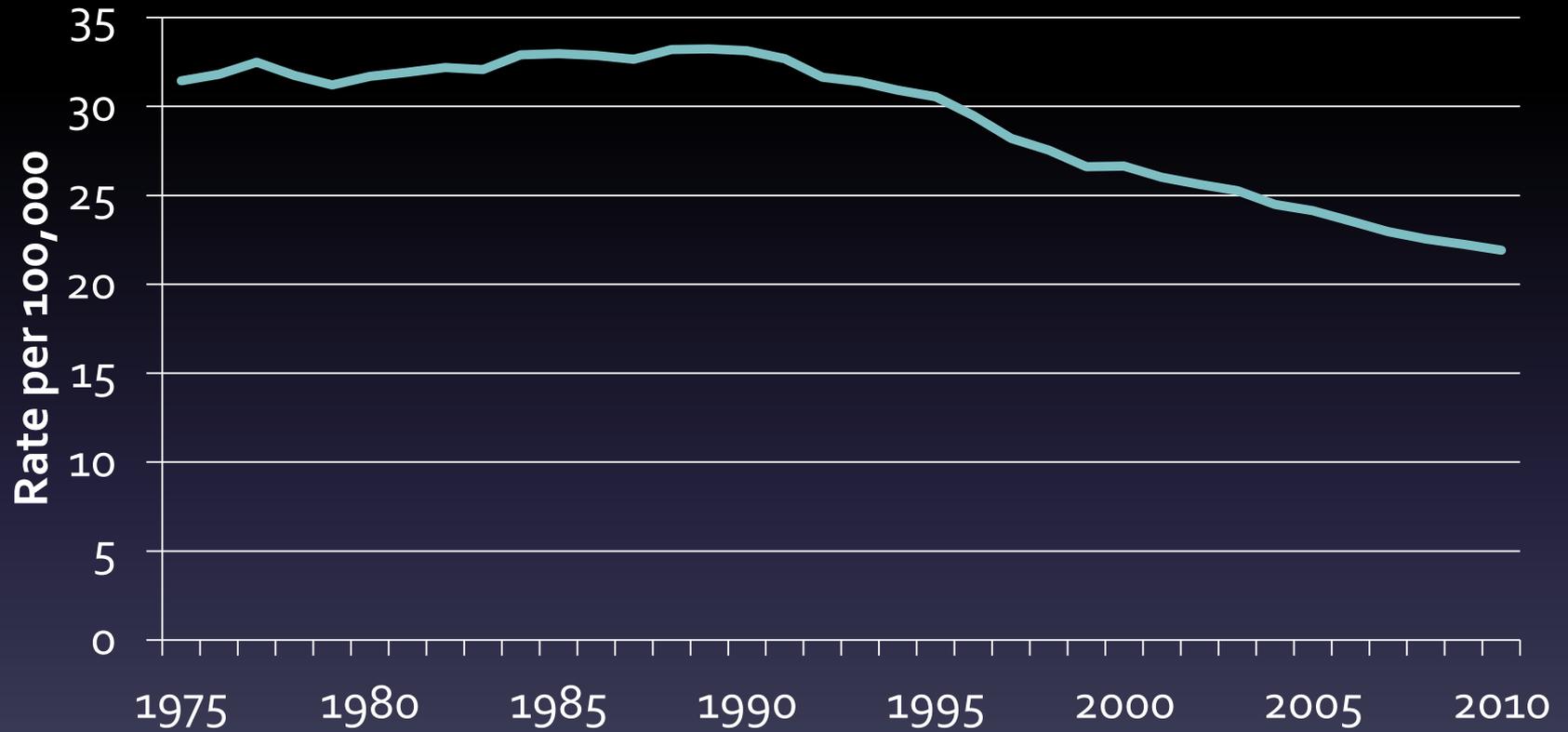


What's the connection between breast cancer and chemicals and other diseases?

Let's Put  
**Breast Cancer  
Out Of Work!**

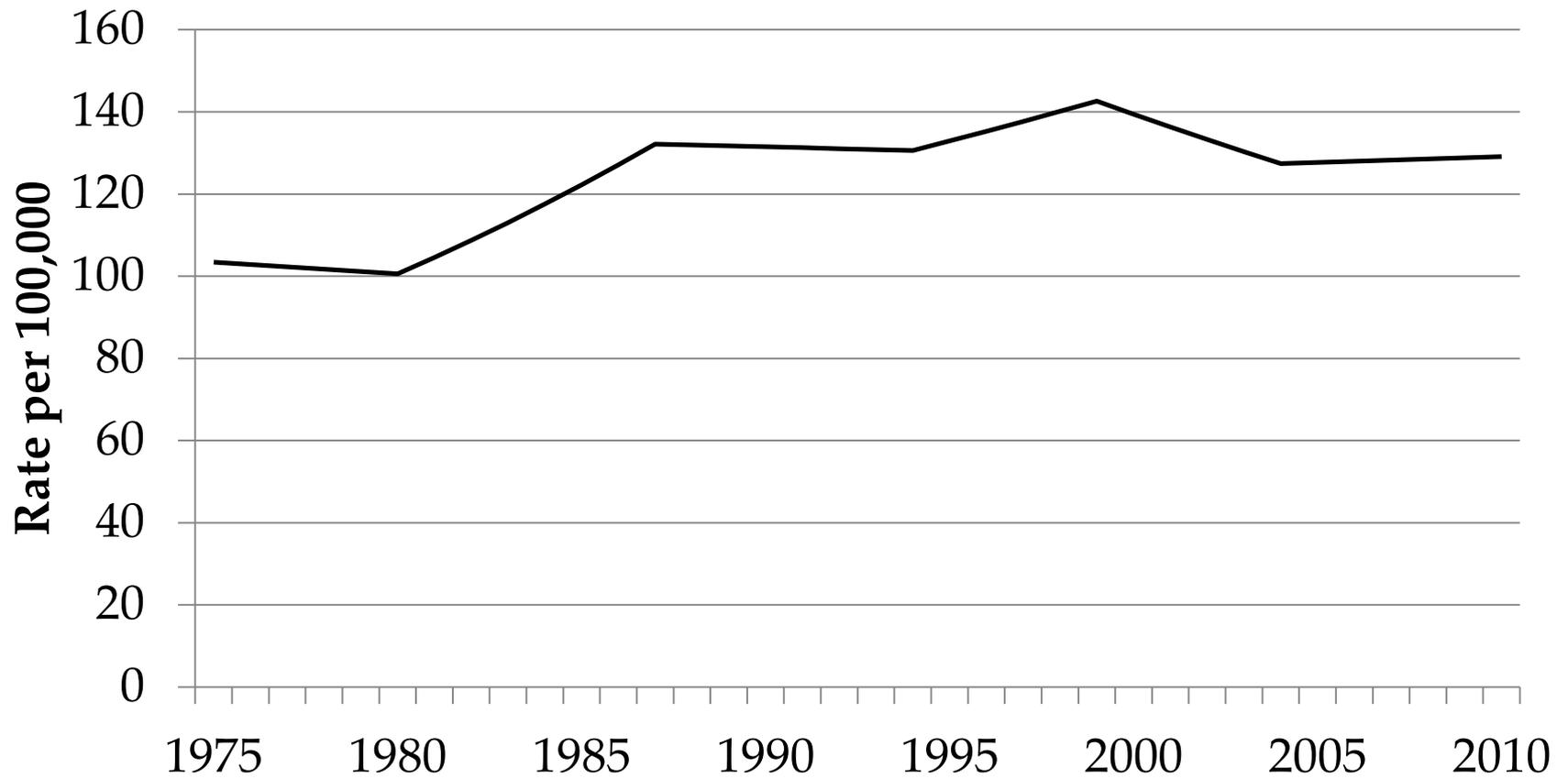


# U.S. Breast Cancer Mortality Rate, 1975-2010



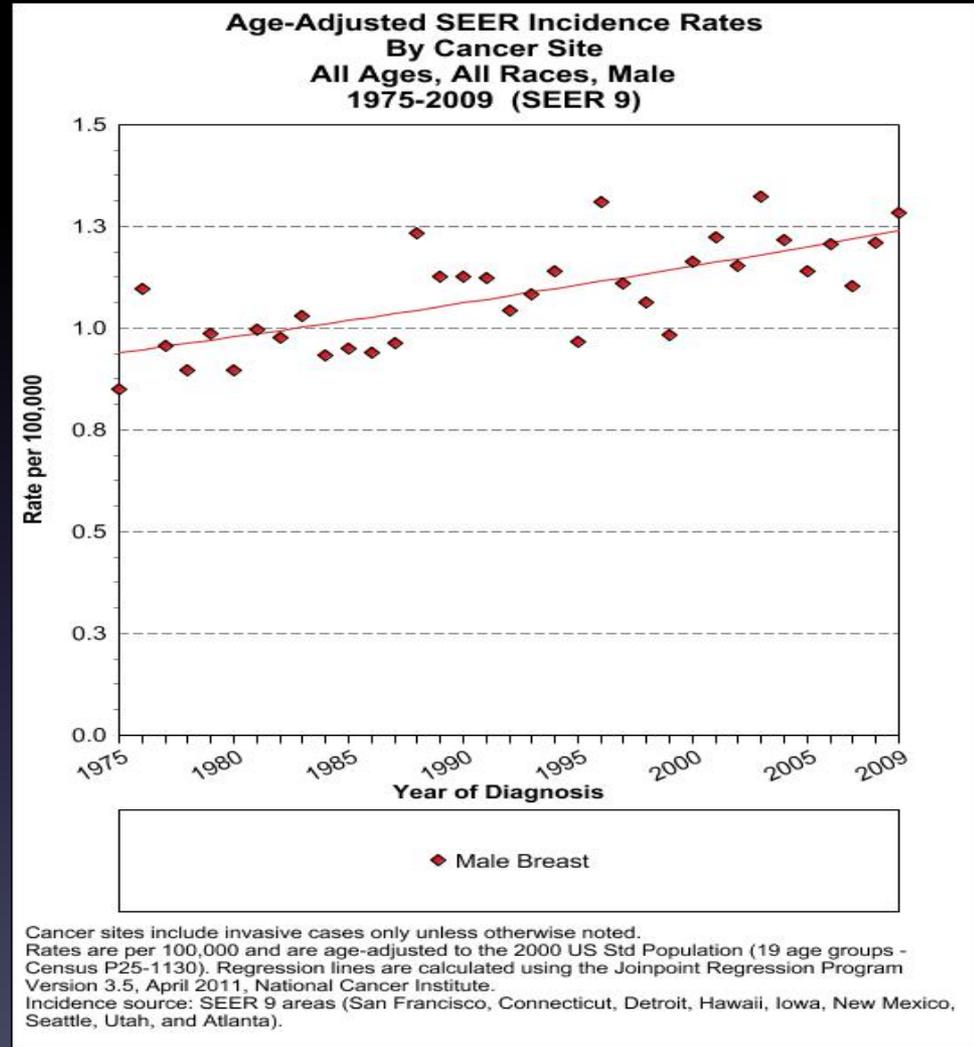
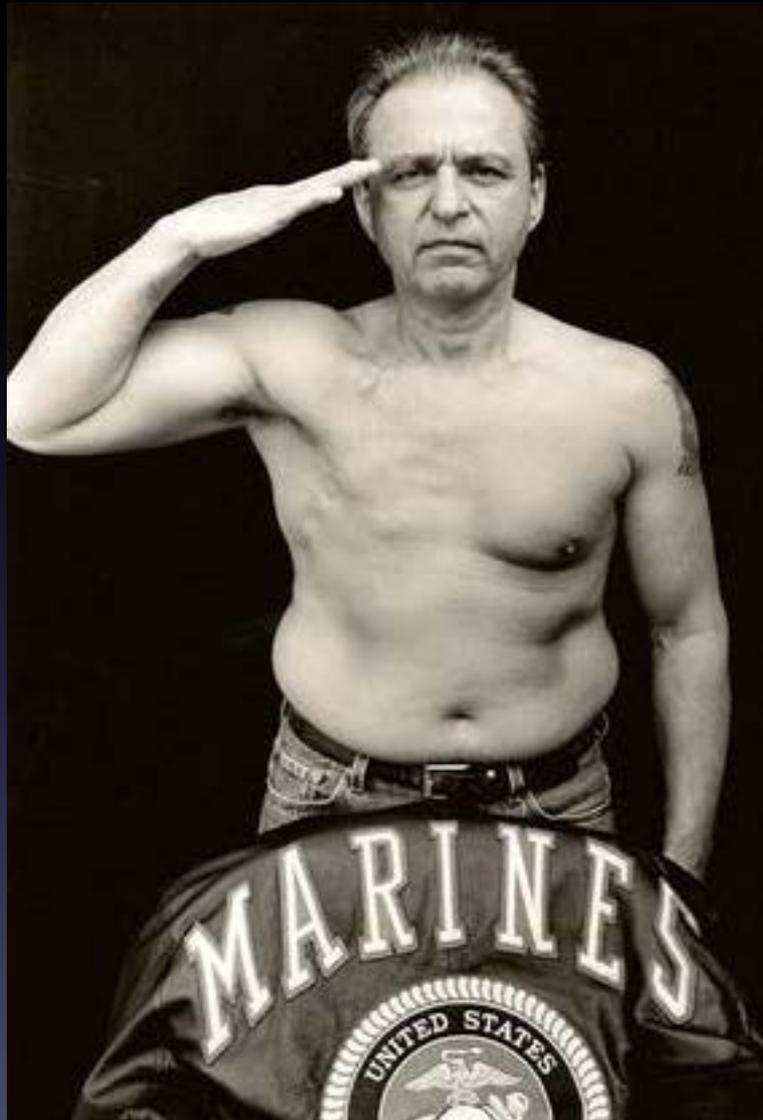
National Cancer Institute, Surveillance Epidemiology End Results Program, SEER 9

# U.S. Breast Cancer Incidence Rates, 1975-2010

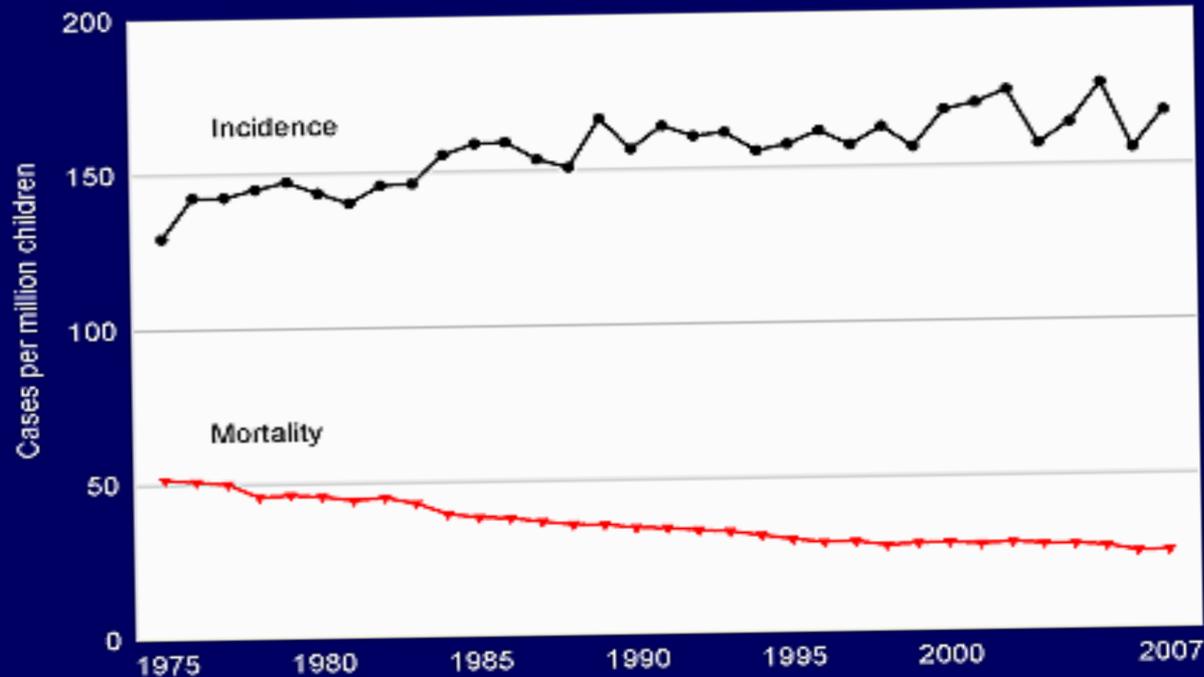


National Cancer Institute, Surveillance Epidemiology End Results Program, SEER 9, delayed adjusted incidence rate

and breast cancer is increasing in men too



## Cancer incidence and mortality for children under 20

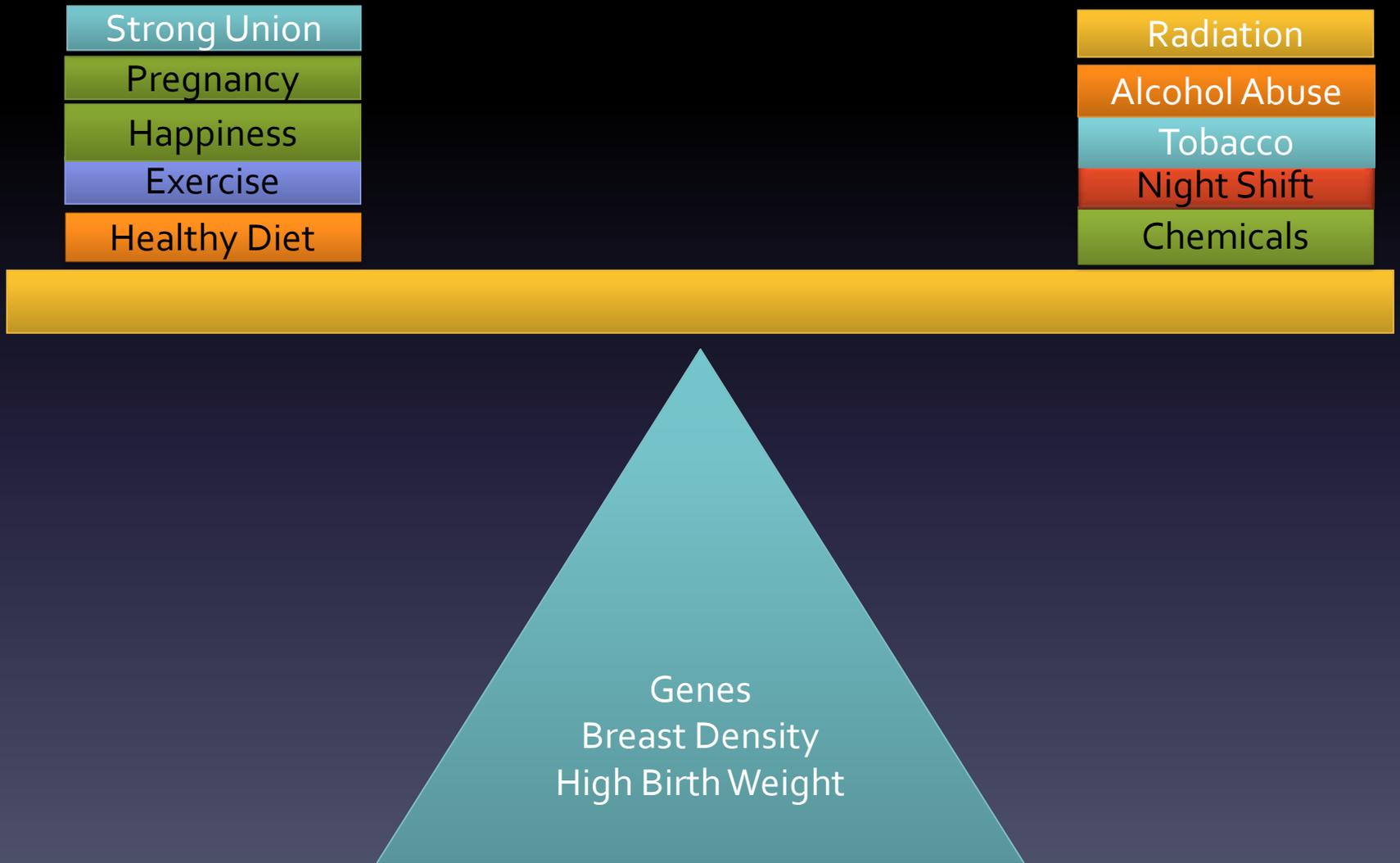


SOURCE: U.S. EPA. America's Children and the Environment.  
[www.epa.gov/envirohealth/children](http://www.epa.gov/envirohealth/children)

DATA: National Cancer Institute, Surveillance, Epidemiology and  
End Results Program

# Lifting the Burden: Cancer Incidence and Mortality in Children

# Lifting the Burden: Increasing Resilience



Mother's Lips

Father's Color Hair



Chemical Industry's lead, mercury, PFCs, PBDE, PCBs, dioxin, BPA and perchlorates

# Tools You Can Use

The image shows a screenshot of a web browser displaying the OECD Substitution and Alternatives Assessment Toolbox website. The browser's address bar shows the URL [www.oecd-satoolbox.org](http://www.oecd-satoolbox.org). The website header features the OECD logo with the tagline "BETTER POLICIES FOR BETTER LIVES" and a navigation menu with links for HOME, ABOUT, RESOURCES, and GLOSSARY. The main heading is "OECD Substitution and Alternatives Assessment Toolbox". Below this, a welcome message states: "Welcome to the OECD Substitution and Alternatives Assessment Toolbox (SAAT) – a compilation of resources relevant to chemical substitution and alternatives assessments. Visit the four resource areas below to learn more about chemical substitution and alternatives assessments and get practical guidance on conducting them." To the right, a callout box titled "Learn about..." contains the text: "the current landscape of substitution and alternatives assessment practices in the:" followed by a link "OECD Meta-Review of Current Practices". Below the main heading, there are two featured resource cards. The first is titled "Alternatives Assessment Tool Selector" and describes a filterable inventory of chemical hazard assessment tools and data sources, with a "Learn more" link. The second is titled "Alternatives Assessment Frameworks" and describes a summary of current frameworks for assessing alternatives, also with a "Learn more" link. The bottom of the screenshot shows a Windows taskbar with various application icons.

www.oecd-satoolbox.org

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 **OECD**  
BETTER POLICIES FOR BETTER LIVES

HOME ABOUT RESOURCES GLOSSARY

## OECD Substitution and Alternatives Assessment Toolbox

Welcome to the OECD Substitution and Alternatives Assessment Toolbox (SAAT) – a compilation of resources relevant to chemical substitution and alternatives assessments. Visit the four resource areas below to learn more about chemical substitution and alternatives assessments and get practical guidance on conducting them.

*Learn about...*  
the current landscape of substitution and alternatives assessment practices in the:  
[OECD Meta-Review of Current Practices](#)

### Alternatives Assessment Tool Selector

A filterable inventory of chemical hazard assessment tools and data sources to help you identify tools most relevant to your substitution and alternatives assessment goals. A listing of non-hazard assessment tools is also available.

[Learn more](#)

### Alternatives Assessment Frameworks

A summary of the current frameworks that can be used to assess alternatives. Guides and other resources for conducting a chemical substitution or alternatives assessment are included.

[Learn more](#)



**ChemSpider** ( [Summary](#) | [Tool Website](#) )

ChemSpider is a free chemical structure database providing information on over 32 million structures from 490 data sources. Data source contains small internal database, but provides links to comprehensive information.



**CleanGredients®** ( [Summary](#) | [Tool Website](#) )

CleanGredients® was developed by GreenBlue® to help cleaning product formulators identify environmentally friendly ingredients and allow manufacturers to showcase their ingredients. CleanGredients® is a subscription-based online database with 12 cleaning product ingredient categories: chelating agents, colorants, defoamers, enzymes, fragrances, oxidants, polymers, preservatives and antioxidants, processing aids, solvents, starter formulations, and surfactants. Non-subscribers have partial access to website information. Ingredient formulation and attribute claims are verified by an approved third-party.



**Column Model** ( [Summary](#) | [Tool Website](#) )

The Column Model was developed by the Institute for Occupational Safety and Health (IFA) of the German Social Accident Insurance as a tool for industry for identifying alternative substances. The tool allows for the comparison on chemicals/substances or materials/mixtures based on six hazard endpoints. Endpoints are compared individually and collectively, and the user makes the final evaluation.



**Compendium of Common Pesticide Names** ( [Summary](#) | [Tool Website](#) )

For purposes of trade, registration and legislation, and for use in popular and scientific publications, pesticides need names that are short, distinctive, non-proprietary and



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# Design for the Environment An EPA Partnership Program

You are here: EPA Home > DFE > Safer Chemical Ingredients for Use in DFE-Labeled Products

## Safer Chemical Ingredients for Use in DFE-Labeled Products

The Safer Chemical Ingredients List contains chemicals that meet the criteria of the Design for the Environment (DFE) Safer Product Labeling Program. This voluntary program recognizes products that are high-performance and cost-effective using the safest chemical ingredients. At present, more than 2,500 products carry the DFE Safer Product Label. This list of safer chemical ingredients is arranged by functional-use class and will assist product manufacturers in identifying chemicals that the DFE program has already evaluated and identified as safer.

- [DFE's Safer Chemical Ingredients List](#)
- [About the List](#)
- [GreenBlue's CleanGredients®](#)
- [Additional Resources](#)

### DFE's Safer Chemical Ingredients List

#### Safer Chemical Ingredients for Use in DFE-Labeled Products

- The listed chemicals are safer alternatives, grouped by their functional-use class.
- Chemicals are marked as a [green circle](#) ●, [green half-circle](#) ◐, [yellow triangle](#) ▲, or [grey square](#) ◼.
- This list includes many of the chemicals evaluated through the DFE Safer Product Labeling Program. It does not include confidential chemicals. There may be chemicals not included in this list that are also safer.

**Top DFE Questions**

- [Frequently Asked Questions](#)
- [Where can I find a list of products with the DFE label?](#)
- [How do I apply to get the DFE label on my products?](#)

www.epa.gov/dfe/saferingredients.htm