

Cancer in

Emmet County

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Who we are



Whitney Zahnd, PhD

- Assistant Professor, University of Iowa College of Public Health
- Past-president of the Iowa Rural Health Association
- Member of the Cancer Epidemiology and Population Sciences Program, Holden Comprehensive Cancer Center
- Research: rural-urban differences in cancer prevention, incidence and outcomes, access to care



Sarah Nash, PhD, MPH, CPH

- Assistant Professor,
 University of Iowa
 Department of Epidemiology
- Director of Research,
 Analytics, and Dissemination,
 Iowa Cancer Registry
- Community Outreach and Engagement Co-Lead, Holden Comprehensive Cancer Center
- Research: Cancer health disparities for rural and underserved minority populations

99 Counties Project Team









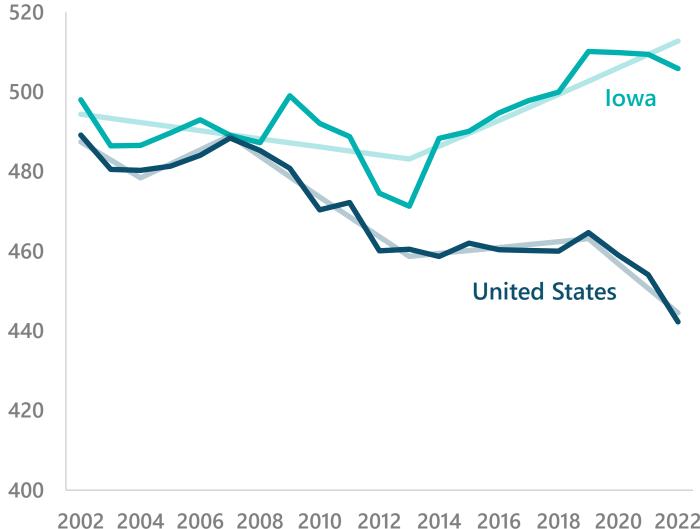
Holden Comprehensive Cancer Center



"Statistics are people with the tears wiped away"

Dr. Irving Selikoff

Iowa has the #2 highest rate of new cancers in the U.S.



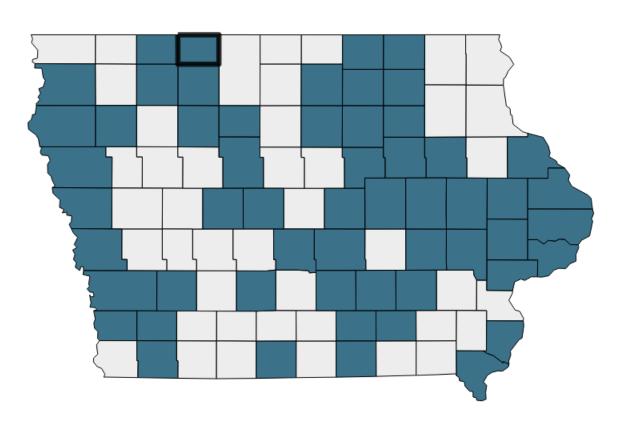




Over half of Iowa's counties have a higher incidence rate than the U.S.

56 Counties with rates **OVER** the national average

0 Counties below the national average

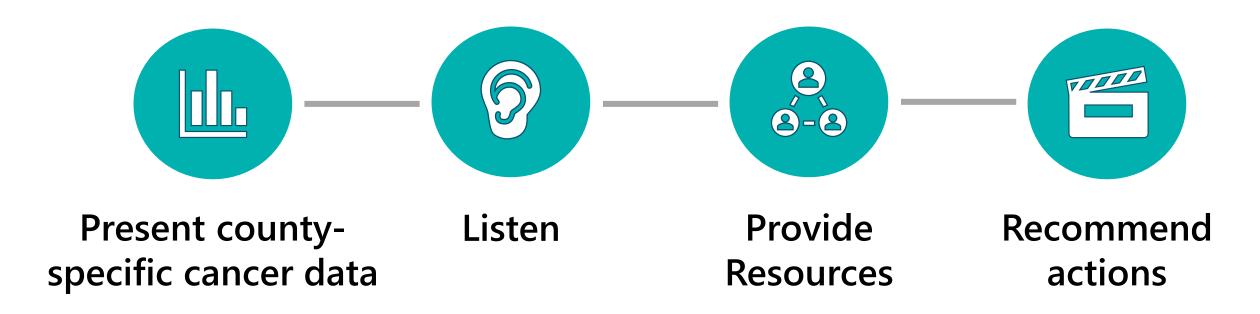


- Above National rates
- Similar to National rates



About the Project

Goal: to enhance community engagement & education around cancer prevention and control across all of lowa's 99 counties.





Cancer Control Partners in Iowa

State Government



Governor

- Implement state laws
- Advance and pursue policies and programs

lowa Legislature

- Propose and vote on legislation
- Appropriate money to state agencies and programs
- Create and modify lowa laws



Health and Human Services

Bureau of Chronic, Congenital and Inherited Conditions

Comprehensive Cancer Control Program

Cancer prevention, screening, survivorship

Care for Yourself (Breast & Cervical Cancer Program)

Colorectal Cancer Screening Program

Bureau of Environmental Health Services

- · Track environmental health-related diseases
- Assist local boards of health

Local (County) Public Health Services/Boards of Health

- · Address health priorities and health disparities
- Promote healthy living
- Protect against environmental hazards
- Assure access to health services

Unity Point, MercyOne, Great River, Avera, Mayo, Methodist, Gundersen, Sanford and numerous independent health systems, hospitals and clinics across lowa

Provide cancer prevention, screening, treatment, and survivorship services



Holden Comprehensive Cancer Center

Iowa's only NCI Designated Cancer Center

Health Care, research, education



Iowa Cancer Consortium

Advocate, collaborate, plan



Data, research, education

American
Cancer
Society

Iowa Cancer Action Network

Advocate for better policies

ACS Iowa

Help with cancer treatment and recovery

UI Research Centers





Center for Health Effects of Environmental Contamination



Federal Funding for Cancer Control

- The <u>Iowa Cancer Registry</u> is funded in part with Federal funds from the **National Cancer** Institute (National Institutes of Health), Department of Health and Human Services, under Contract No. HHSN261201800012I
- The <u>Cancer in Iowa: 99 Counties Project</u> is specifically funded by Federal funds from the **National Cancer Institute** through grant award: 5R01CA254628-04S2, and through National Cancer Institute funds provided to the University of Iowa Holden Comprehensive Cancer Center (P30CA086862)
- The <u>lowa Cancer Consortium</u> acknowledges the **Centers for Disease Control and Prevention** (CDC) for its funding support under cooperative agreement NU58DP007103 awarded to the lowa Department of Health and Human Services (lowa HHS).

The contents of this presentation are solely the responsibility of the authors and do not necessarily represent the official views of CDC or the National Institutes of Health/National Cancer Institute.



Iowa Cancer Registry Goals



Assemble & report data on new cancers, cancer deaths, & survival

Respond to **data requests** from organizations & individuals

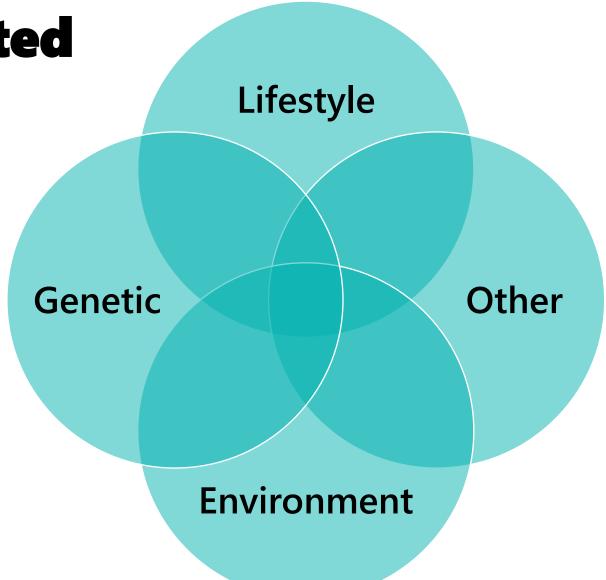
Support studies for cancer prevention, research & education



Background on Cancer

Cancer is Complicated

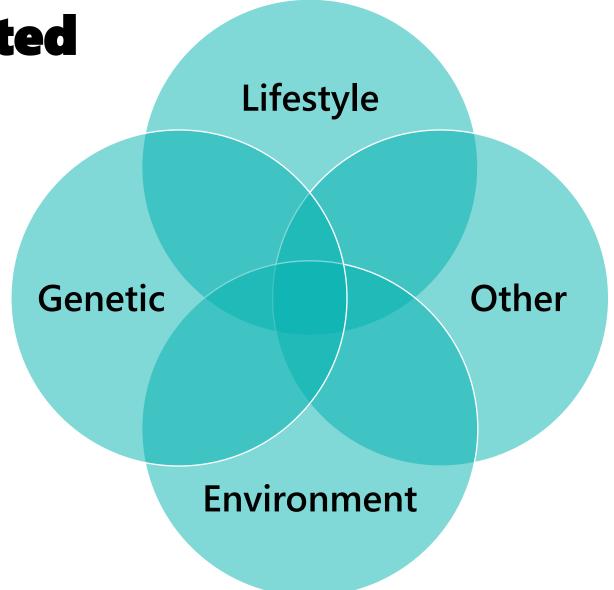
There is no one cause of cancer; it is a combination of different genetic, lifestyle, and environmental risk factors that change the function of cells



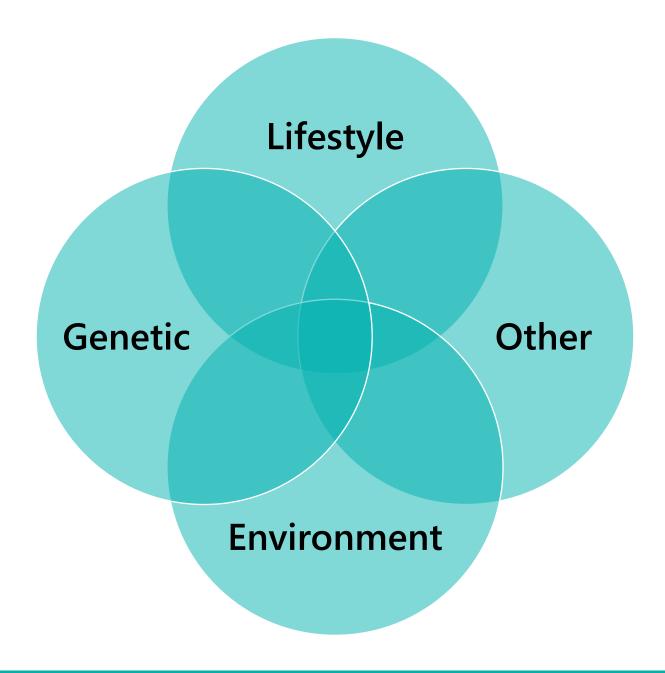


Cancer is Complicated

Risk factors are things that increase your chances of getting cancer

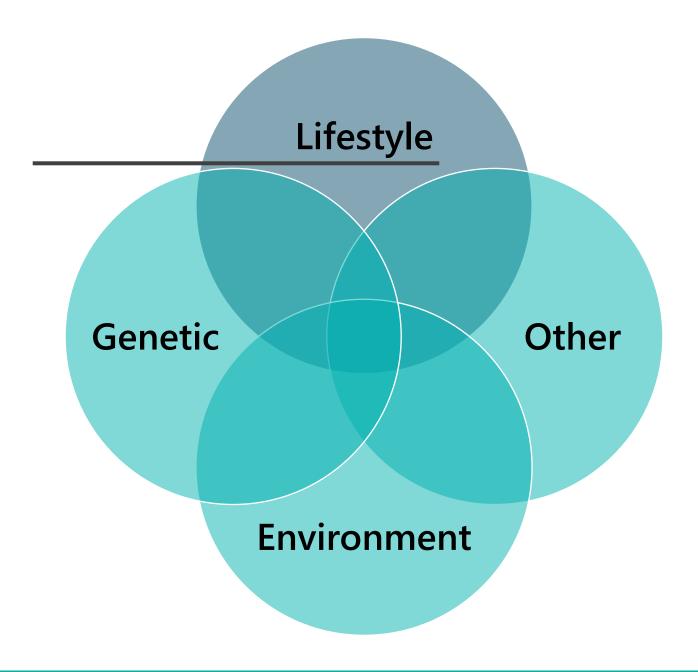




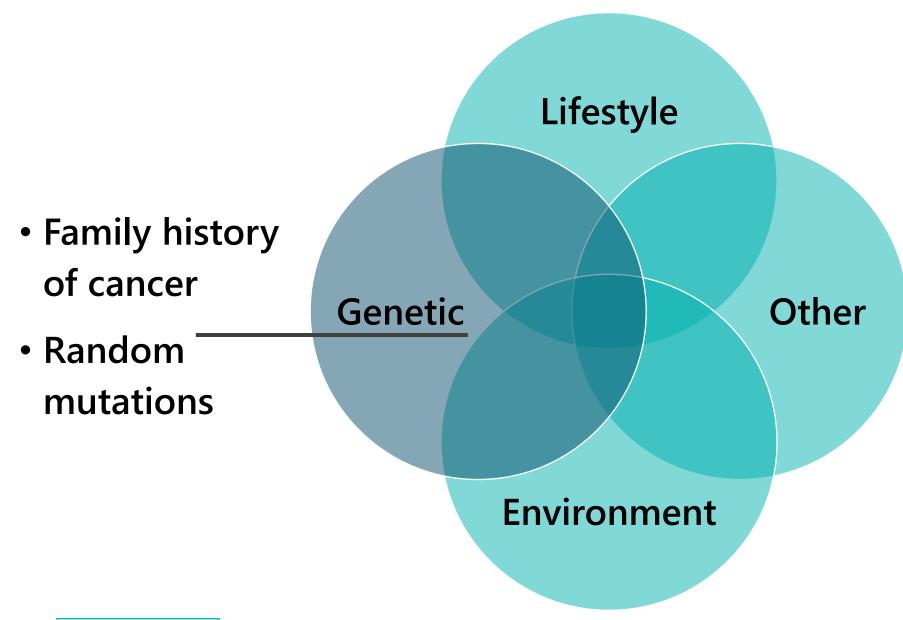




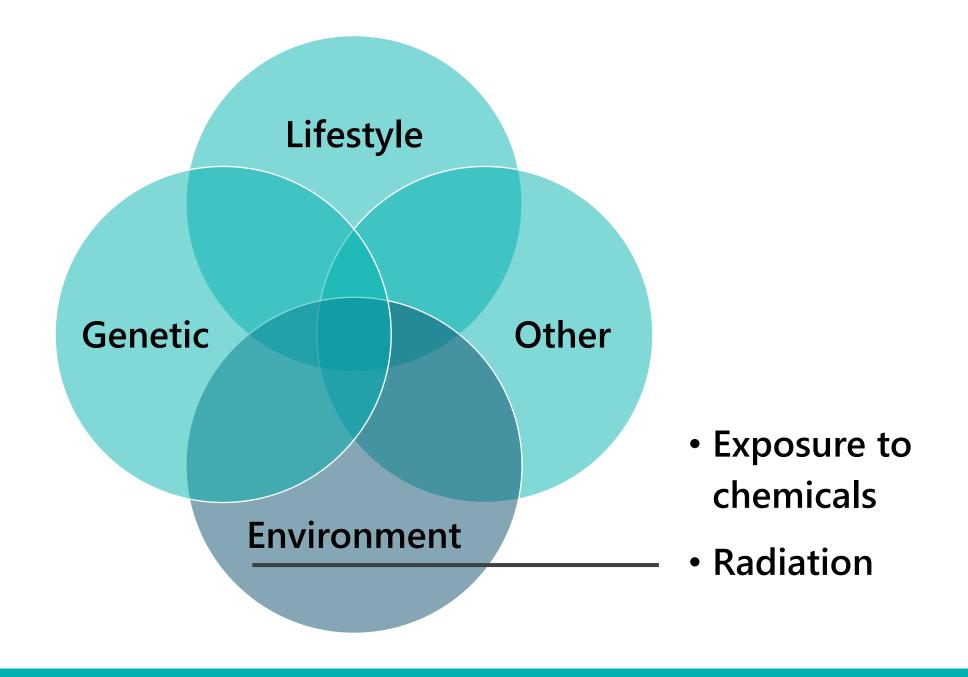
- Tobacco
- Alcohol
- Unhealthy diet
- Not being physically active
- Sunburns



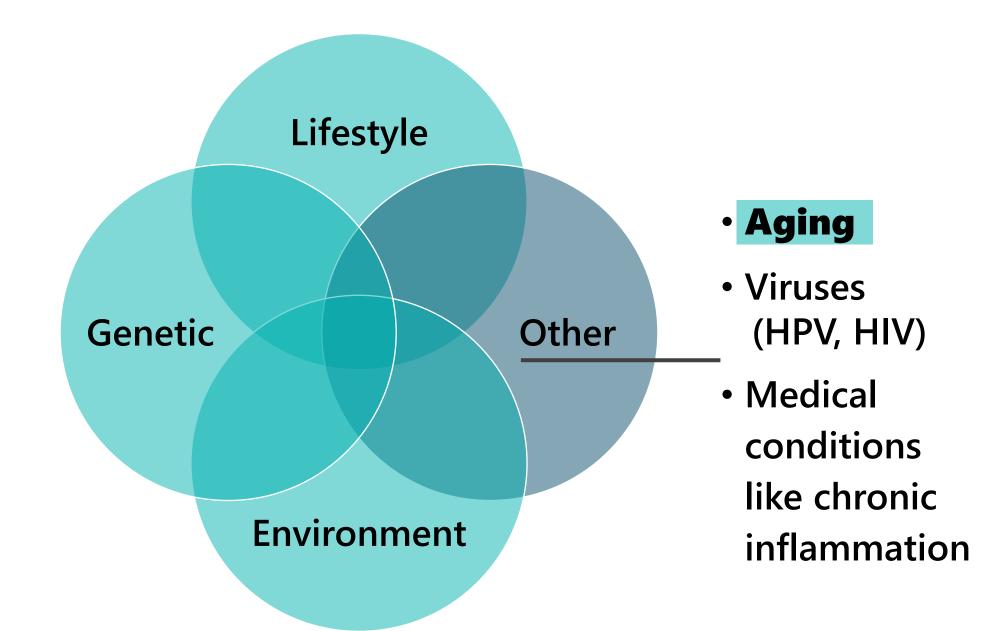














Cancer & the Environment

- Many Iowans understandably have questions about potential links between environmental exposures and cancer
- This is an important area of continued research, and lowans are right to ask questions and be cautious
- ICR, along with other population-based cancer registries, do not collect data on environmental risk factors, but we do share our data with researchers to support studies of cancer & environmental risk factors



Risk Factors

- There can be many years between exposure to risk factors & cancer development, which makes it difficult to prove connections.
 - For example, lung cancer may not occur until 30 years after a person starts smoking
- To reduce your risk, avoid risk factors whenever possible
- Today we will focus on things you can do to reduce your cancer risk. These things can be addressed at the state, community, and individual levels.



Key Terms

Incidence & Mortality

- Incidence
 - Number of new cases of a disease occurring during a specified time period in a population
- Mortality
 - Number of deaths from a disease that occur during a specified time period in a population



Rates & Counts

- Counts
 - -The number of new cases diagnosed or deaths from cancer
- Rates
 - -Adjusts the counts to give a # per 100,000 people
- Age-Adjusted Rates
 - -Addresses the question: If the size and age of the populations were the same, would there be a difference in outcomes?



Stage definition used today

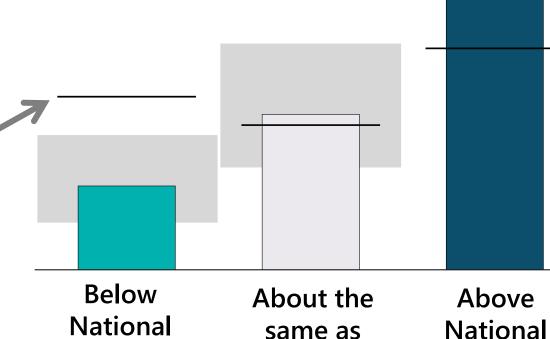
- Early Stage includes
 - Localized: cancer is limited to the place where it started, with no sign that it has spread
- Late Stage includes
 - Regional: cancer has spread to nearby lymph nodes, tissues, or organs.
 - Distant: cancer has spread to distant parts of the body



How to read the graphs

Unless otherwise stated, bars are your county data

Black lines on bar graphs are United States data



National Rates

Rates

Rates

Grey boxes on bar graphs are 95% Confidence Intervals.

These are used to determine if rates are statistically different from each other



Cancer in Emmet County

New Cancers in Emmet County

All cancer types, average counts and rates, 2017-2021

Each year, there are about

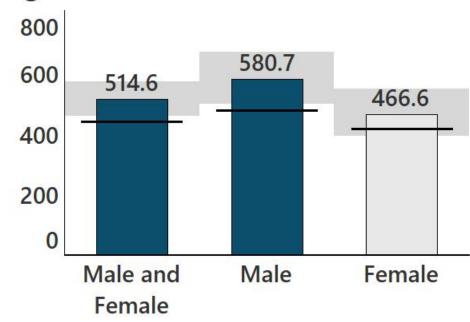
74

new cancers diagnosed in Emmet County

Cancer incidence rates in Emmet County are higher than the U.S. average

Ranks #23 of 99 counties

Cancer incidence rates are typically higher in men than women





Cancer deaths in Emmet County

All cancer types, average counts and rates, 2018-2022

Each year, there are about

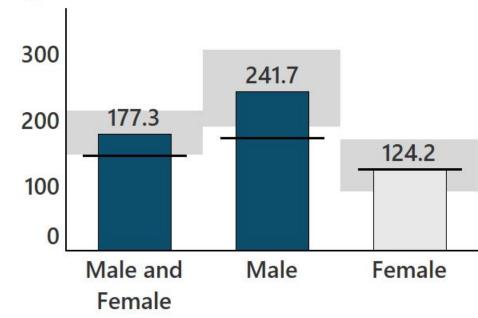
27

cancer deaths in Emmet County

Cancer mortality rates in Emmet County are higher than the U.S. average

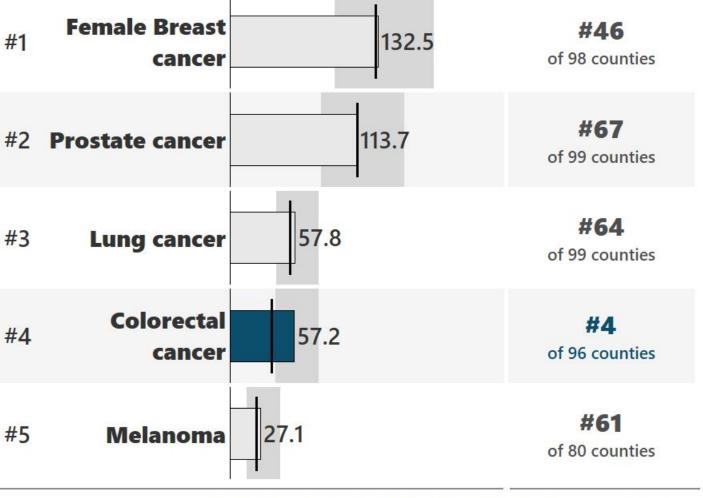
Ranks #9 of 99 counties

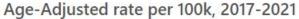
Cancer mortality rates are typically higher in men than women





Top cancers in Emmet County





Rank compared to other counties, where #1 is highest in the state



#1 | Female Breast cancer

Each year in Emmet County, there are about... 132.5 **Emmet County** #2 Statewide 136.9 #3 New Cases per year **United States** 129.8 *Too few cases to show rates **Emmet County** #4 17.8 Statewide **Deaths** per year #5 **United States** 19.2



Age-Adjusted Rate per 100,000 Incidence (2017-2021); Mortality (2018-2022)

What can you do to prevent breast cancer?



consumption





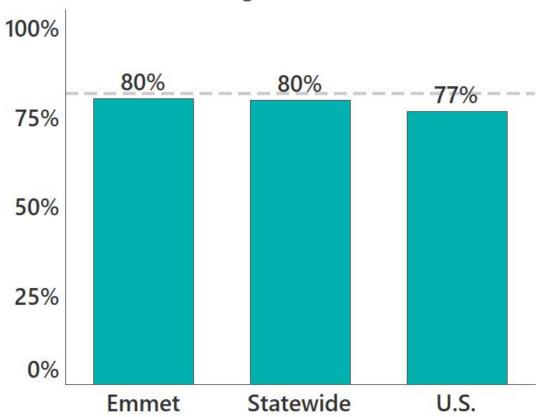


Get Screened!



Breast Cancer Screening

Women age 50+ who are up to date with their breast cancer screening



Screening Guidelines

People with breasts ages 40-74 should screen with a mammogram every 2 years

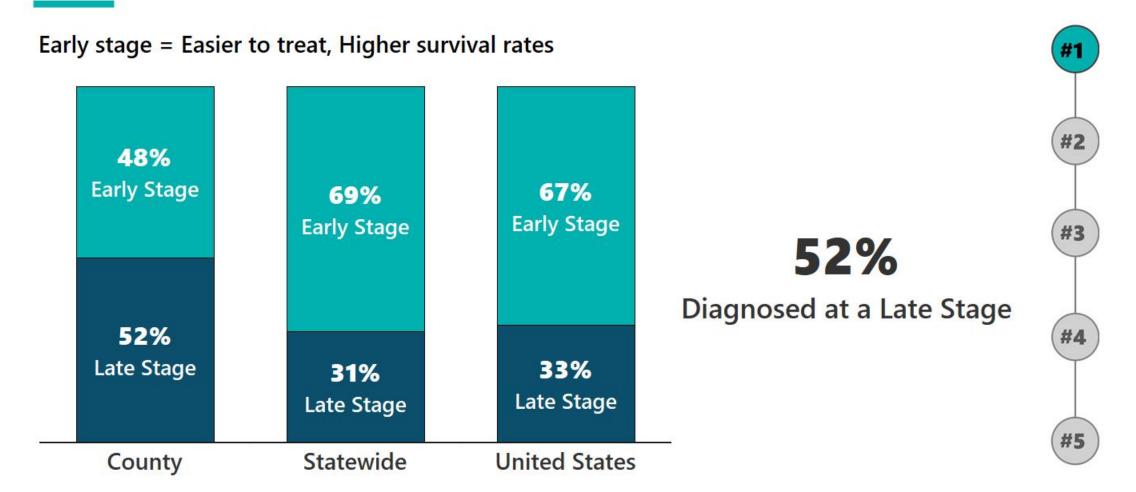
Talk to your doctor if you have a family history of breast cancer

(U.S. Preventative Services Task Force)



Data from 2022 BRFSS Goal: 81.4% by 2027

#1 | Female Breast cancer Stage at Diagnosis





The Care for Yourself – Breast and Cervical Cancer Program (CFY-BCC)

We provide free breast and cervical cancer screenings across lowa.

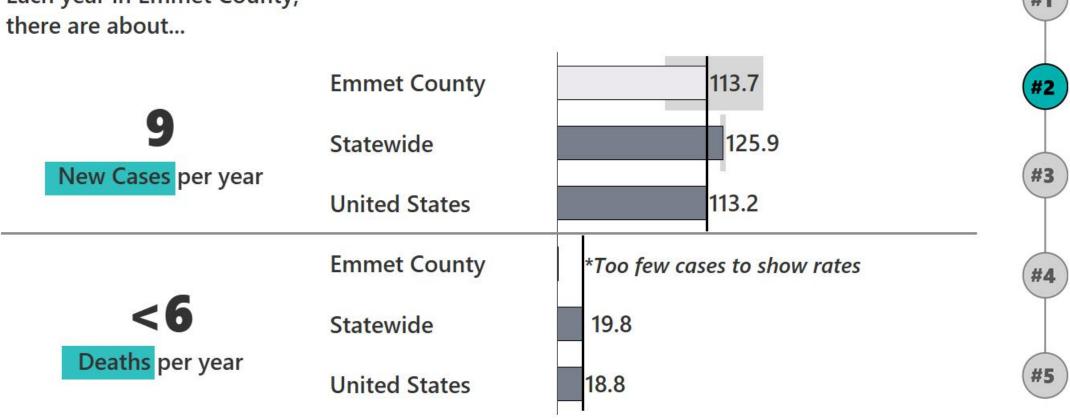
- ► CFY-BCC is also called the Iowa Breast and Cervical Cancer Early Detection Program.
- ► CFY-BCC serves Iowans between 21 and 64 years of age.
- ► Are at or earn less than 250% of the Federal Poverty Level.
- ► Call (866) 339-7909 to speak to a confidential coordinator immediately.
- ► CFY-BCC coordinators are available to help you Monday-Friday, 8:00 a.m. to 4:00 p.m.



https://hhs.iowa.gov/public-health/cancer/cfy

#2 Prostate cancer

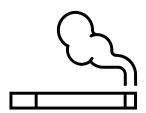
Each year in Emmet County,





Age-Adjusted Rate per 100,000 Incidence (2017-2021); Mortality (2018-2022)

What can you do to prevent prostate cancer?



Quit smoking



Decrease alcohol consumption



Limit chemical exposures



Incorporate healthy foods in diet

Get Screened!



Prostate Cancer Screening

Screening Guidelines

Screening test: Prostate-specific antigen (PSA) blood test

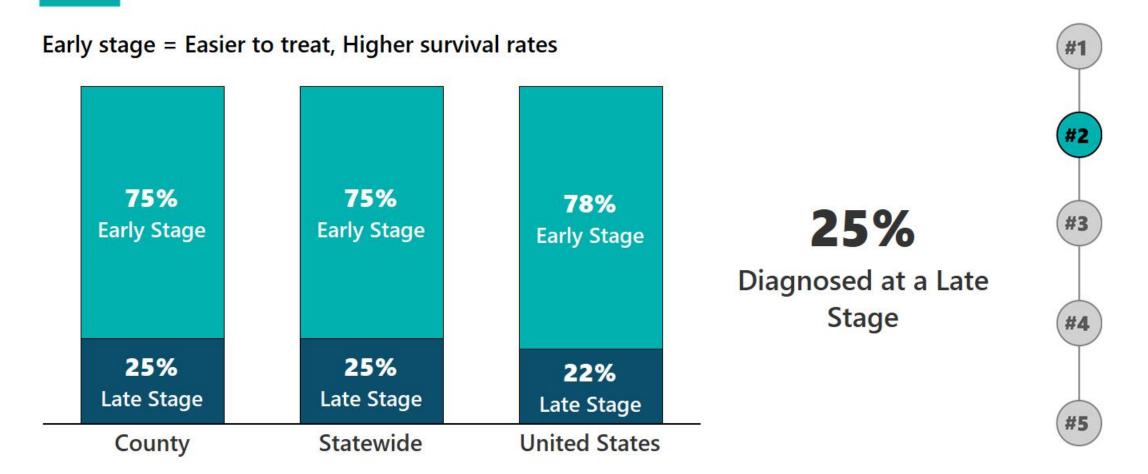
Men who are 55-69 years old, discuss with your doctor if

a PSA test is right for you

(U.S. Preventative Services Task Force)



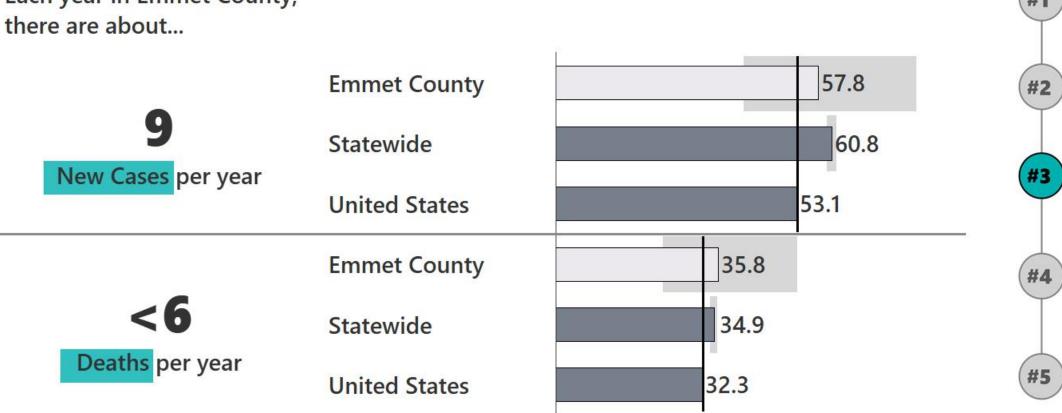
#2 | Prostate cancer | Stage at Diagnosis





#3 Lung cancer

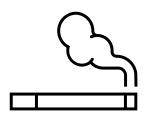
Each year in Emmet County,





Age-Adjusted Rate per 100,000 Incidence (2017-2021); Mortality (2018-2022)

What can you do to prevent lung cancer?



Quit smoking

Quitline Iowa

Free tobacco cessation program
Call 1-800-QUIT-NOW
Or visit https://quitlineiowa.org/en-US



Test your home for radon and mitigate if necessary

Learn more about Radon testing and mitigation:

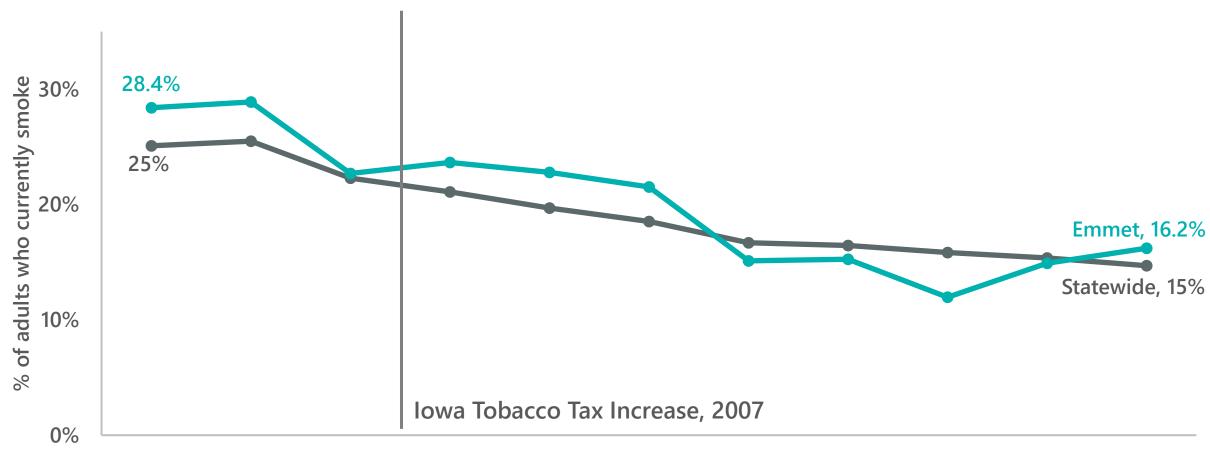
Iowa Health & Human Services hhs.iowa.gov/radiological-health/radon

Iowa Cancer Consortium canceriowa.org/radon/

Get Screened!



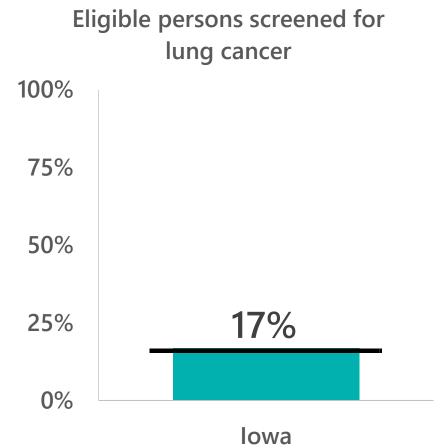
Smoking Rates in Emmet County



1997-1999 2000-2003 2004-2007 2008-2010 2011-2013 2012-2015 2016-2019 2017-2020 2018-2021 2019-2022 2020-2023



Lung Cancer Screening



Screening Guidelines

Low-dose CT scan

If you have smoked in the last 15 years and are between the ages 50-80 years talk to your doctor about being screened for lung cancer

(U.S. Preventative Services Task Force)



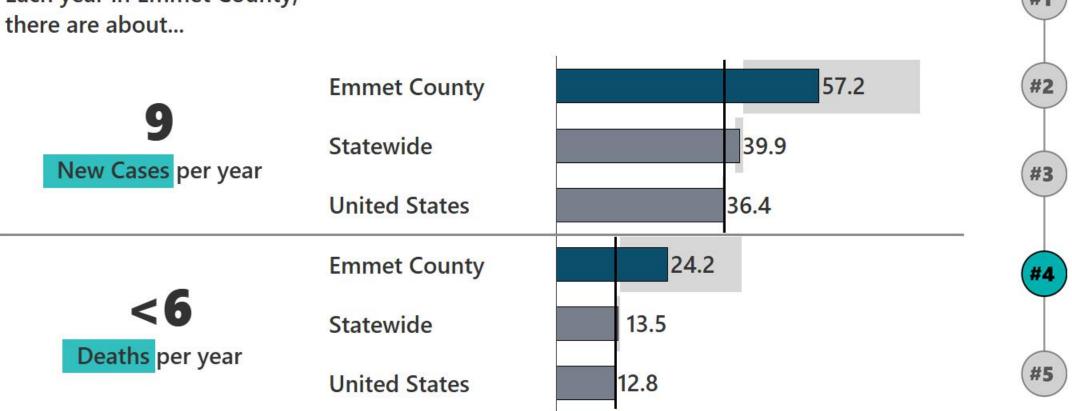
#3 | Lung cancer | Stage at Diagnosis

Early stage = Easier to treat, Higher survival rates #1 19% 24% 26% **Early Stage** #2 **Early Stage Early Stage** 81% (#3 81% Diagnosed at a Late 76% 74% Late Stage Late Stage Stage Late Stage #4 #5 County Statewide **United States**



#4 | Colorectal cancer

Each year in Emmet County,





Age-Adjusted Rate per 100,000 Incidence (2017-2021); Mortality (2018-2022)

What can you do to prevent colorectal cancer?

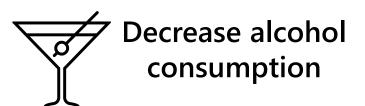




Decrease excess body weight



Incorporate healthy foods in diet





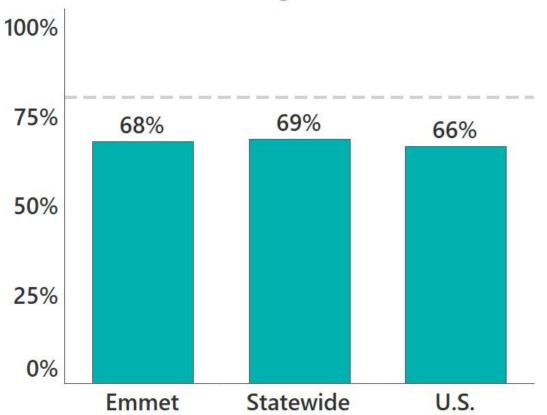
Be physically active

Get Screened!



Colorectal Cancer Screening

Adults ages 45-75 who are up to date with their colorectal cancer screening



Screening Guidelines

Adults ages 45-75 can screen with either (1) an at-home, stool-based test, or (2) a colonoscopy.

Talk to your doctor about which is best for you.

(U.S. Preventative Services Task Force)



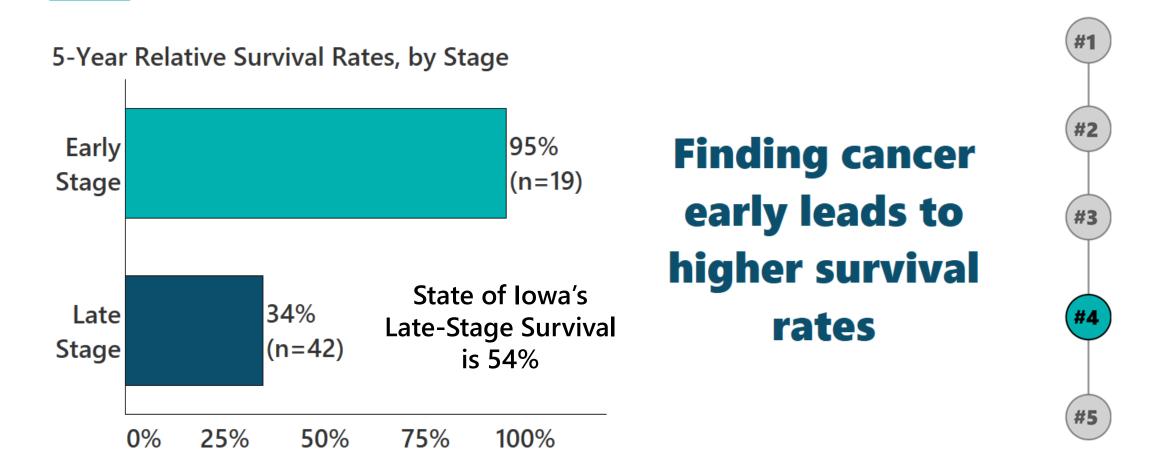
Data from 2022 BRFSS Goal: 80% by 2027

#4 | Colorectal cancer | Stage at Diagnosis

Early stage = Easier to treat, Higher survival rates #1 34% 37% 40% #2 **Early Stage Early Stage Early Stage** 66% #3 Diagnosed at a Late 66% 63% 60% Stage #4 Late Stage Late Stage **Late Stage** #5 County Statewide **United States**



#4 | Colorectal cancer | 5-Year Survival





Iowa Get Screened (IGS): Colorectal Cancer Program

We partner with Iowa's Federally Qualified Health Centers (FQHCs) and local public health agencies to increase colorectal cancer screening.

Through a collaboration with the Iowa Primary Care Association (Iowa PCA) and FQHCs, the program serves low-income Iowans, ages 45-75, to:

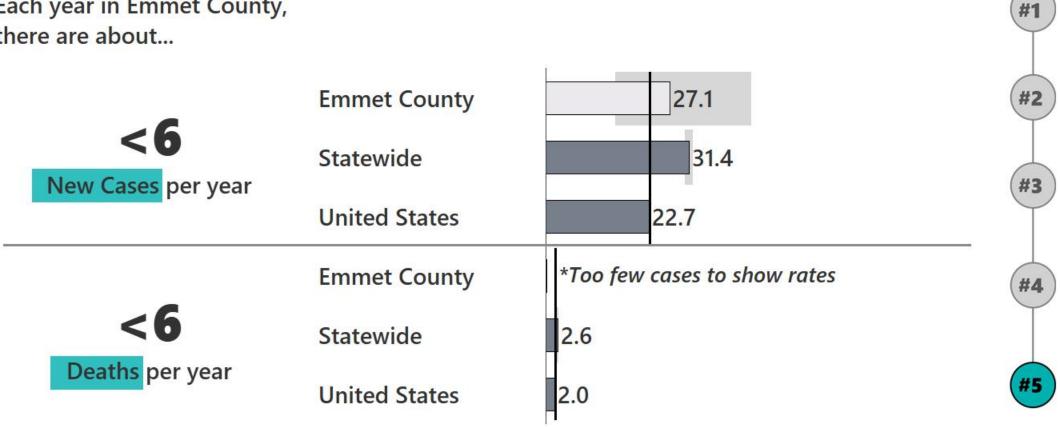
- ► Increase the number of cancers prevented
- ► Increase the diagnosis of early-stage colorectal cancer
- ► Reduce colorectal cancer incidence and mortality in the state



https://hhs.iowa.gov/public-health/cancer/colorectal-cancer-screening-program

#5 | Melanoma

Each year in Emmet County, there are about...





Age-Adjusted Rate per 100,000 Incidence (2017-2021); Mortality (2018-2022)

What can you do to prevent melanoma?



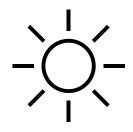
Wear broad spectrum sunscreen with at least SPF 30







Wear long sleeves and hats and sit in the shade when outdoors



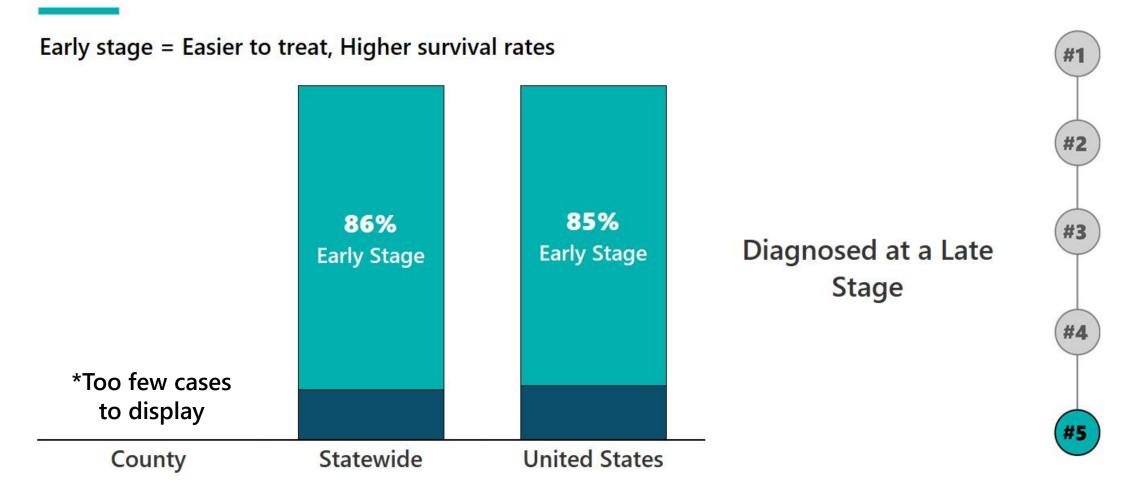
Avoid being in the sun between 10am – 2pm

Do not use indoor tanning beds





#5 | Melanoma | Stage at Diagnosis

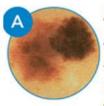




Melanoma Self-Exams

Perform regular self-examinations using a mirror. If you find new spots or changes in existing spots talk to your doctor.

Most moles and brown spots are harmless, but following the **ABCDE's** can help you detect melanoma early.



A is for
Asymmetry
the shape of one

the shape of one half does not match the other



B is for Border

the edges are ragged, blurred, or irregular



C is for Color

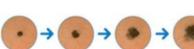
color is uneven and may include shades of black, brown, or tan



D is for Diameter

there is a change in size, usually an increase





E is for Evolving

the mole has changed over the past few weeks or months

American Academy of Dermatologist

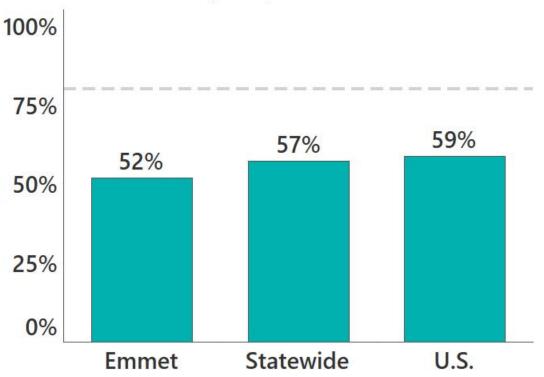
CANCER REGISTRY

STATE HEALTH REGISTRY SE IOWA

Check out the Iowa Cancer Registry Melanoma Spotlight

A vaccine that prevents cancer: HPV

Adolescents ages 13-15 who have completed their HPV vaccine series (2022)

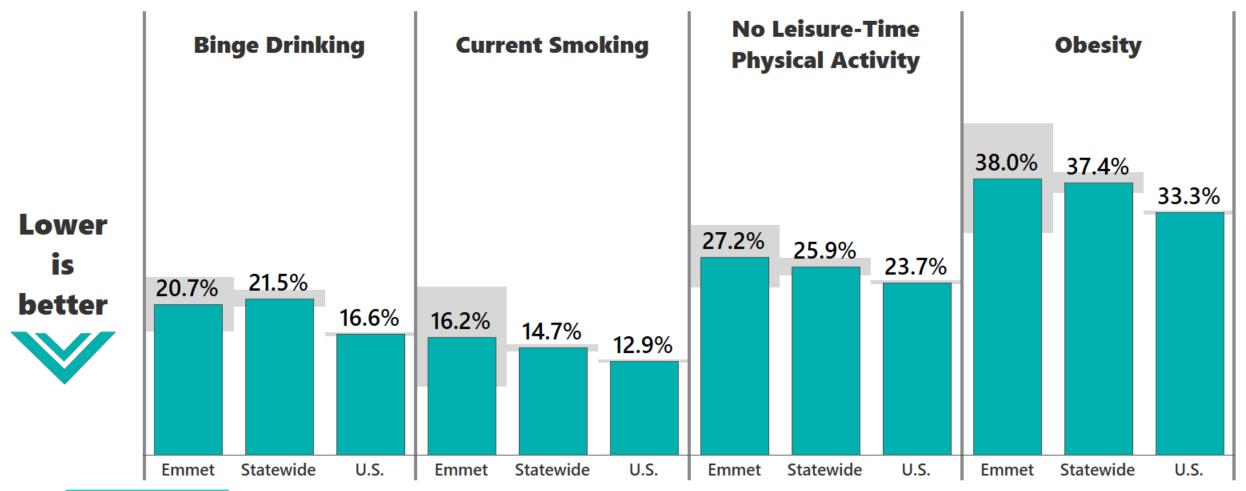


- HPV infection can cause cancers of the cervix, mouth and throat, anus, rectum, penis, vulva, and vagina.
- Iowa has the highest rate of oropharyngeal cancer in the U.S.
- Vaccine provides safe, effective, and lasting protection against HPV, thus reducing cancer risk
- Recommended at age 11 or 12 years, when immune response is best & before HPV exposure



Data from 2022 IHHS & NIS-Teen Goal: 80% by 2027

Other Cancer Risk Factors





Resources to help understand and address cancer in lowa communities

Iowa Comprehensive Cancer Control Program (CCCP)

We work with partners to prevent cancer whenever possible and support cancer survivors across Iowa.

- ► The CCCP partners with many organizations, including the Iowa Cancer Consortium, Iowa's cancer coalition.
- ► CCCP is involved in the revision and implementation of the Iowa Cancer Plan.
- ► Currently CCCP is focused on increasing HPV vaccination, increasing lung cancer screening, and supporting cancer survivors.

https://hhs.iowa.gov/public-health/cancer https://canceriowa.org/iowa-cancer-plan/

Iowa Cancer Consortium

Mission: To advance cancer prevention and control through advocacy, equity, and collaboration.

Vision: An Iowa where cancer is not a burden.

A non-profit cancer coalition that provides

- Connections and partnership
- Latest news and cancer updates via email
- Training and educational opportunities
- Grant opportunities and technical assistance
- Free cancer educational materials for distribution
- Virtually-hosted workgroups
- The Iowa Cancer Plan

www.canceriowa.org



Blueprint for cancer control, the *lowa Cancer Plan*

Chapters with sections that include priorities, strategies, and specific action steps which may be tailored to many settings to guide cancer control activities.

- 1. Health Equity: identify and eliminate cancer health disparities.
- 2. Prevention and Risk Reduction: whenever possible, prevent cancer from occurring.
- 3. Early Detection and Screening: promote the benefits of screening tests to ensure early diagnosis.
- **4. Diagnosis and Cancer-Directed Therapy:** reduce barriers to care, promote evidence-based practices, and encourage participation in clinical trials and other forms of research.
- **5. Survivorship and End-of-Life Care:** ensure resources to optimize quality-of-life for cancer survivors and their families.



Iowa Cancer Plan

2023-2027



https://canceriowa.org/ iowa-cancer-plan/

Ways to get involved



Iowa Cancer Plan

Use to identify strategies aligned with community-specific needs

canceriowa.org/iowa-cancer-plan/



American Cancer Society Cancer Action Network

Engage American Cancer Society Cancer Action Network (ACSCAN) to promote cancer-relevant legislation

www.fightcancer.org



lowa Cancer Consortium

Connect for state-wide collaboration and potential community-level funding

www.canceriowa.org

Contact your legislator

Find your legislator at https://www.legis.iowa.gov/legislators/find



Policy Considerations

Lung Cancer

We know tobacco- and nicotine-free policies, reducing out-of-pocket costs for cessation treatments, and mass communications can help reduce lung cancer.

Breast Cancer

We know engaging community health workers, developing clinic-specific interventions, and supporting care navigation are effective in addressing breast cancer.

Skin Cancer

We know providing sunscreen and UV-safety education in outdoor occupational, recreation/tourism, and childcare settings can help prevent skin cancer.

Prostate Cancer

We know educating about the link between

- tobacco, alcohol, and obesity and prostate cancer;
- chemical exposures and prostate cancer;

as well as promoting shared decision-making between individuals and providers helps reduce the burden of prostate cancer.

Include cancer in needs assessments

Include cancer-relevant strategies in your hospital's community health needs assessments or public health department's needs assessment

hhs.iowa.gov/lphs/cha-chip



Every community is different

Your expertise is key

- Your expertise as community members and leaders and local policy makers is key to answering the question of what to do next. You know best what your community needs and what will work.
- Cancer control partners like the Iowa Cancer Registry, the Iowa Cancer Consortium, Iowa HHS, and your local public health department can provide ideas, advise, and help find data, evidence, and other resources, but ultimately you are the experts.
- A good place to start is by taking stock of the information presented today and where the opportunities for change might be within your county, town, or organization. Use the Iowa Cancer Plan for inspiration and reach out to the Iowa Cancer Consortium for partnership in moving forward.



Emmet County Resources

Quitline

- Free tobacco cessation program is based on proven strategies that have helped more than 1.5 million people quit tobacco. Our professional quit coaches and online community provide the support you need.
- 800-QUITNOW

Immunizations

- We provide various immunizations for children, adolescents and adults through the Vaccines for Children (VFC) program, Vaccines for Adults (VFA) program, and by billing private insurances.
- To set up an appointment for immunization or to request a copy of an immunization record, please call us at 712-362-2490.

Lead Testing

- Lead testing for children 1-6 is available by appointment – please call 712-362-2490 to see if you your child is eligible for testing.
- The Iowa Department of Public Health (IDPH) leads efforts in Iowa to prevent lead poisoning in children below the age of 6 through the Childhood Lead Poisoning Prevention Program (CLPPP). For further information on the CLPPP and lead in general, click here.

Cancer in Iowa: 99 Counties Project Resource Guide

- Organizations and programs we presented today
- IHHS Programs
 - Tobacco Use Prevention and Control
 - Immunization Program
 - The Hepatitis Program
 - Radon
- Iowa Rural Health Association

In the next slides we will highlight...

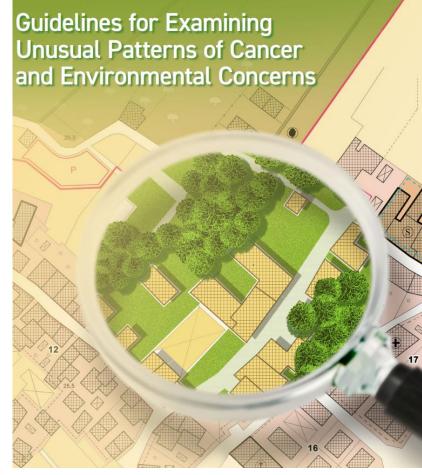
- Cancer Cluster Concerns
- Agricultural Health Study
- Environmental Exposures and Health Risks Fact Sheets
- Center for Health Effects of Environmental Contamination
- Iowa Private Well Grants Program
- Center for Energy & Environmental Education's (CEEE) Environmental Health Program





What to do if you suspect a cancer cluster in your community

- If you are concerned about cancer excess in your area, please email us at ICR-CancerConcerns@uiowa.edu
- We will ask you about:
 - Geographic area of concern
 - Cancer types diagnosed in the area
 - Time frame
 - Exposure(s) of concern
- If possible, ICR will conduct an analysis comparing the expected number of cancers to what's been observed
- A meeting will be held to discuss the results of the analysis and a written copy of the report will be sent to you





Agricultural Health Study



The Agricultural Health Study (AHS) has been working for more than 30 years to understand factors that impact the health of farmers and their families.

- Includes over 31,000 private and 5,000 commercial pesticide applicators from Iowa
 - Study is also following applicator's spouses and children
- Linked with Iowa Cancer Registry data to study risk of developing cancer among pesticide applicators

The aim of this study is to understand how agricultural, lifestyle, and genetic factors affect the health of farming populations.

Environmental Exposures and Health Risks Fact Sheets

These facts sheets include information on

- Cancer and non-cancer health risks for each environmental exposure
- How the exposures are regulated
- What you can do to limit your exposure

Environmental Health Fact Sheets

- Arsenic
- Atrazine
- Glyphosate
- Nitrate
- Radon



NEW Environmental Exposures & Health Risks Fact Sheets



Nitrate & Health Fact sheet



Introduction

Nitrate, a form of nitrogen, is a water-soluble chemical found at high concentration waterways and private wells (1, 2, 3). Nitrate is colorless and has no smell, so it is ur Health drinking water. Nitrate occurs naturally in the environment; however, applying nitro corn and other crop fields, and manure run-off from animal feeding operations can pollution in drinking water (2, 3). Nitrate can be reduced to nitrite and other compo shown to have negative health effects (1,5).

Exposure Sources

People are primarily exposed to nitrate through contaminated drinking water and b nitrate-containing foods, like processed meats (1, 4). Drinking water contaminated public health concern in Iowa due to the amount of nitrogen fertilizer used in agricu shallow wells being most at risk of high nitrate concentrations (3). Nitrate is the monitrogen entering Iowa streams because of its stability and water-solubility, potent downstream contamination of drinking water.

https://ehsrc.publichealth.uiowa.edu/communityengagement/ resources-information/

Health Risks Associated with Nitrate

Cancer

The International Agency for Research on Cancer (IARC) classifies nitrate in food and water as "probably carcinogenic to humans" (1, 5). Studies conducted in Iowa have shown a positive correlation between exposure to nitrate in the drinking water and some cancers (1). Some studies conducted in Iowa have analyzed cancer risk at or above levels one-half the maximimum contaminant level (MCL) over long periods of time. From these studies, consistent associations have been discovered for colorectal cancer. Cancers at other sites have been less studied, however, positive associations have been found at levels below the MCL for cancers of the thyroid, ovary, and kidney (6).

Non-Cancer Health **Risks**

Methemoglobinemia, or Blue Baby Syndrome, is a condition in which not enough oxygen is transported in the blood to the body's tissues (3). Blue Baby Syndrome can occur when infants are exposed to nitrate levels higher than 10 mg/L. Elevated prenatal nitrate exposure in Iowa has also been connected to increased risk of birth defects, including spina bifida, limb deficiencies, and cleft palate (7,8).

How is Nitrate regulated?

- The EPA established the maximum contaminant level for nitrate to be 10 mg/L in drinking water, to protect infants against methemoglobinemia, or Blue Baby Syndrome (7, 9).
- Public water suppliers must test for nitrate and present results to consumers and the state through consumer confidence reports (3).
- Private wells are not required to be tested for nitrate, and those with water sourced from a shallow well, less than 50 feet, face a disproportionate risk of high nitrate exposure (3,10).

What can you do?

- Test well water for nitrate once a year if the well is privately-owned.
- Water purification methods that remove nitrate include reverse osmosis, ion exchange, and distillation. Using Brita filters, refrigerator filters, and boiling water are not effective at removing nitrate (7).
- Maintain a healthy diet rich in antioxidants and limited in processed, cured, and red meats (1). Published September 2024 Questions? Visit our website EHSRC.org

Iowa Private Well Grants Program Iowa Health & Human Services

Iowa's <u>Private Well Grants Program</u> (PWG) provides free water testing to all private well owners and users for the analytes listed. The Iowa DNR recommends that all private well owners have their water tested at least annually.

To get your private well tested, please contact your local county health department.

County Health Department - contact list

- <u>Bacteria/coliform</u> (annually)
- <u>E.coli/fecal coliform</u> (annually)
- <u>Nitrate</u> (annually)
- Arsenic (every 3 years)
- Manganese (every 3 years)
- <u>PFAS</u> (requires pre-approval from the DNR)

Follow this QR code or the links below to learn more!







The University of Iowa Center for Health Effects of Environmental Contamination (CHEEC) supports and conducts research to identify, measure and study adverse health outcomes related to exposure to environmental toxins. CHEEC was established through the 1987 Iowa Groundwater Protection Act and has focused its efforts to date mainly on drinking water contaminants.

For questions about environmental contaminants, please contact Dr. Cwiertny at the email address below.



David Cwiertny
Director of CHEEC



Center for Energy & Environmental Education's (CEEE) Environmental Health Program

Highlighting upstream solutions to protect children, climate, and health.

The Environmental Health Program at the CEEE highlights upstream solutions that protect children, climate, and health, as well as raises awareness about the link between harmful chemicals and their impacts to both people and climate. Our initiatives focus on community practices and state strategies that significantly reduce lowan's exposure to common hazardous pollutants.

Contact Audrey Tran Lam for more information and resources about how to reduce environmental exposures that may contribute to cancer development.





Other initiatives in Iowa

Understanding Cancer and Environmental Risk Factors in Iowa

A New Initiative from the Iowa Environmental Council and The Harkin Institute



The Harkin Institute and the Iowa Environmental Council are announcing the launch of a new initiative that explores the relationship between environmental risk factors and cancer rates in Iowa.



Expert Panel

UI Holden Cancer Center is bringing renowned national and international cancer experts together to investigate lowa's cancer rates



Holden Comprehensive Cancer Center

https://www.iaenvironment.org/our-work/cancer-and-environmental-risk-factors-in-iowa/

Main Takeaways

Cancer is an important health issue facing your county

There are proven ways to prevent cancer & find it early You can avoid risk factors and get screened

Iowa has a strong Cancer Plan, resources, & organizations to help fight cancer

Policy changes at the local and state levels can have a huge impact!

Please communicate your concerns & needs with your state representatives and local policymakers

This is only the first step.



These slides will be posted

These slides will be posted to the Iowa Cancer Registry website: www.iowacancerregistry.org/99



If you have questions, please email us at ICR-99countiesproject@uiowa.edu

Media

If you are a representative of the media and would like more information on this presentation or to speak with someone from the lowa Cancer Registry, contact ICR-Media@uiowa.edu.



If you would like to **share your thoughts** on this meeting, please participate in our brief survey. The QR code will direct you to the survey.

This brief survey should take no more than 5-10 minutes of your time.



