

The Vermont Department of Health

Cancer Survivorship and Tobacco Prevention

Smoking after diagnosis:

- Increased cancer recurrence or other types of cancers
- Increased risk of other serious illnesses, such as heart and lung diseases
- Increased odds of shorter survival
- Increased treatment-related side effects

Cessation after diagnosis:

 Studies show cancer survivors who stop smoking have significantly less risk for subsequent primary cancer than those that continue to smoke.

Tabuchi, Y. Ito, A. Ioka, T. Nakayama, I. Miyashiro, and H. Tsukuma, Tobacco smoking and the risk of subsequent primar

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Vermont Tobacco Use & Initiatives

VT Tobacco Use

 Smoking rates similar between adult cancer survivors and adults without a cancer diagnosis (17%, BRFSS 2012)

VT Tobacco Control Program:

- Youth Prevention
- Second Hand Smoke Reduction
- Adult Cessation

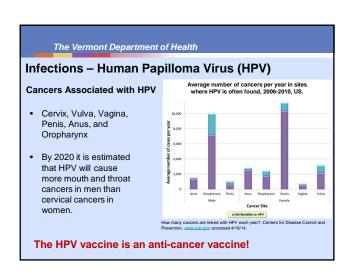
802 Quits offers 3 ways to quit: By Phone-Online-In Person

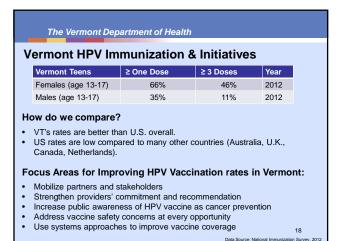


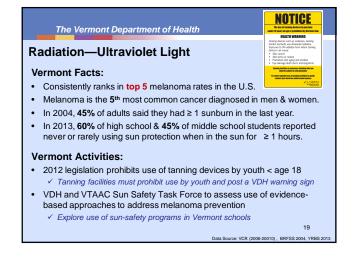
Future Efforts

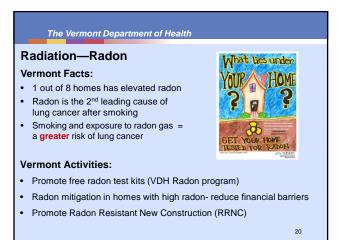
- Cessation initiatives for people diagnosed with cancer
- Focus on lung cancer screening for heavy current/past smokers

Data Source: BRFSS, 2010 and 2012









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Physical Activity, Obesity and Diet

Physical Activity Linked to Lower Risk

- Colorectal cancerPostmenopausal breast cancerEndometrial cancer

Obesity Linked to Higher Risk

- Postmenopausal breast cancer
- Colorectal cancer
- Endometrial cancer
- Esophageal cancer
- Kidney cancer

Diet and Cancer Risk

- Hard to study the effects of diet on cancer
- Fruits & vegetables may protect against mouth, esophagus & stomach cancers
- Conflicting evidence on whether diet high in fat, proteins & red meat increases colorectal cancer risk

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Cancer Survivorship and Obesity Prevention

Physical Activity

- Increased physical activity after diagnosis may result in decrease in total death and cancer recurrence for breast and colorectal cancers
- Prostate, lung & endometrial cancers: possible lower morbidity & mortality with increased physical activity after diagnosis.

Obesity

Link between obesity and risk of recurrence, progression, and death for breast, prostate, endometrial and colon cancers

Diet

- Hard to study effects of diet on survival studies are ongoing
- Some studies showing possible link between diet and breast, prostate, and colorectal cancer recurrence.

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Physical Activity, Obesity & Diet Initiatives

Studies show that a sedentary lifestyle is more prevalent among cancer survivors than the general population

VDH Physical Activity and Nutrition Program

- · Evidence based strategies in schools, communities & worksites
- Make Your Moment Now media campaign

Vermont Survivor Efforts

- Several survivor programs focus on physical activity and nutrition
- · VTAAC Quality of Life Workgroup working on creating a survivor wellness resource

Data Source: BRFSS, 2010 and 2012

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Alcohol Use

Cancers Linked to Alcohol:

- Oral
- Esophageal
- Breast
- Colorectal (in men)
- May increase liver cancer & female colorectal cancer risk

Adult cancer survivors less likely to binge drink than adults without a cancer diagnosis (7% vs. 18%, BRFSS 2010)

Vermont Initiatives

- VDH Alcohol and Drug Abuse Program works with partners to plan, support, and evaluate a comprehensive system of prevention services
- Survivorship-focused alcohol prevention efforts are not currently being carried out statewide.

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Environmental Exposures

Environmental Exposures

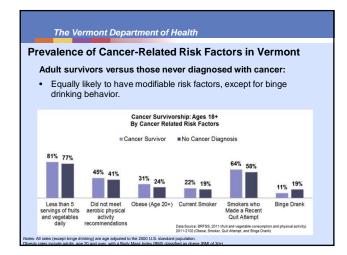
- Links between secondhand tobacco smoke, outdoor air pollution, asbestos and risk for lung cancer.
- High levels of arsenic in drinking water linked to skin, bladder and lung cancers
- Unclear results looking at cancer link between pesticides & other pollutants.
- Difficult to study environmental exposure risk on cancer.

Vermont Initiatives

- Environmental Public Health Tracking program implemented jointly by the Departments of Health and Environmental Conservation.
- VT monitors cancer incidence and mortality. Data are used to study trends and to research causes.

25

The Vermont Department of Health **Vermont Adult Survivor Health** · More than twice as many cancer survivors reported Cancer Survivorship: Ages 18+ By Physical Health poor physical health vs Cancer Survivor ■ No Cancer Diagnosis those never diagnosed with cancer · Similar % of survivors and those never 21% diagnosed with cancer reporting having anxiety, depression, and poor Poor Physical Health (14 or More Days in Past Month)



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Promote Cancer Prevention!

mental health (chart not shown)

As experts, we must inspire populations & individuals to:

Understand the link between modifiable risk factors and cancer and other chronic diseases

- ✓ Stay away from tobacco.
- ✓ Stay at a healthy weight.
- ✓ Get moving with regular physical activity.
- ✓ Eat healthy with plenty of fruits and vegetables.
- ✓ Limit consumption of alcoholic beverages.
- ✓ Protect their skin from the sun.
- \checkmark Know themselves, their family history, and their risks.
- ✓ Have regular check-ups, immunizations & cancer screening tests.
- √ Test their homes for radon gas

28

26

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Survivor-Specific Prevention

Improvements in screening rates & treatment = more survivors! Survivors should:

- Be educated on link between risk factors & cancer recurrence/mortality
- Follow general cancer prevention guidelines
- Begin normal exercise activity as soon as possible after diagnosis.

 Exercise during treatment is proven* to:
 - ✓ Be safe & feasible
 - ✓ Improve quality of life
 - ✓ Reduce fatigue
- Stay connected with friends, family and other survivors
- Know their risk of secondary cancers related to treatment
- Follow Provider (cancer specialists & primary care provider) guidance on screening tests and check-ups

*Schmitz, et al. Med Sci Sports Exerc. 2010

