



VDH Budget Highlights FY '18

- □ Introduction
- Performance Management at Health
- Strategic Prevention Activities across Health
 - Chronic Disease
 - Alcohol and Drug Programs
 - Maternal and Child Health
 - Infectious Disease
 - Environmental Health
 - Preparedness and EMS
- □ Budget ups and downs

What is Public Health?

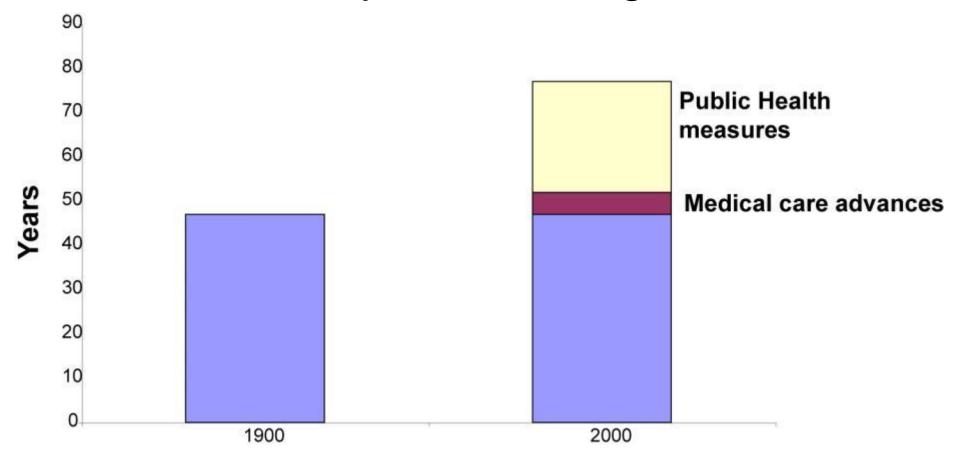
What we, as a society do to collectively assure the conditions in which people can be healthy

- Institute of Medicine, 1988

Public Health = Healthy Populations

Improvements in Longevity

100 years of Progress



Century

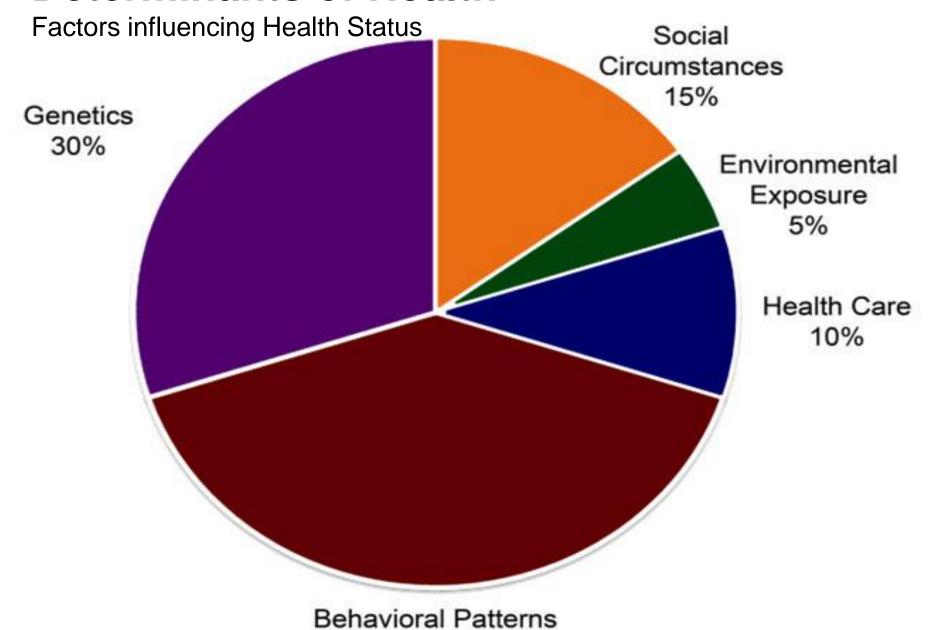
Public health keeps kids healthy and communities strong

Public health and prevention programs in your community:



We all benefit

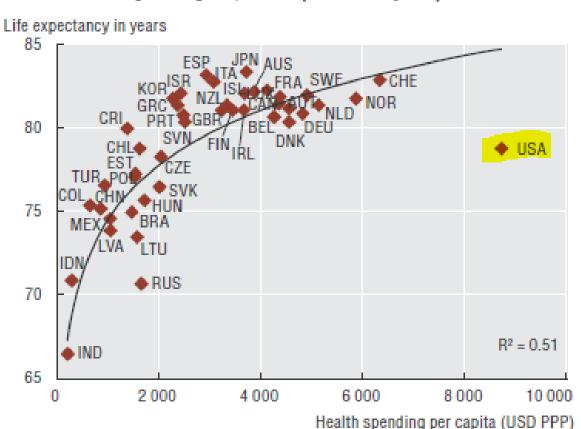
Determinants of Health



40%

U.S. High Health Spending ≠ Excellent Health Outcomes

Life expectancy at birth and health spending per capita, 2013 (or latest year)



Source: OECD Health Statistics 2015, http://dx.doi.org/10.1787/health-data-en.

StatLink http://dx.doi.org/10.1787/888933280727

Public Health Practice

□ Data Driven - What we know about the distribution of disease and disability

□ **Evidence Based** – What we know works to improve health and well-being

 Strategic Prevention — Where we focus our action to address preventable disease and disability

Data to Drive Decisions

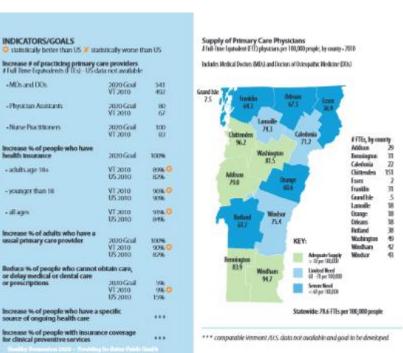
Data to Drive Decisions

Measure characteristics of:

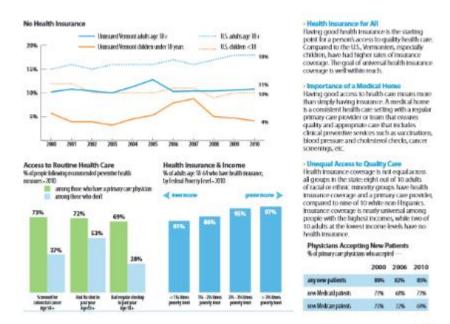
- People
- Places

CO

Over time



- Data to understand causal and noncausal relationships
- Data to plan and evaluate interventions for improvement
 - Prevention improvements
 - Access and systems improvements

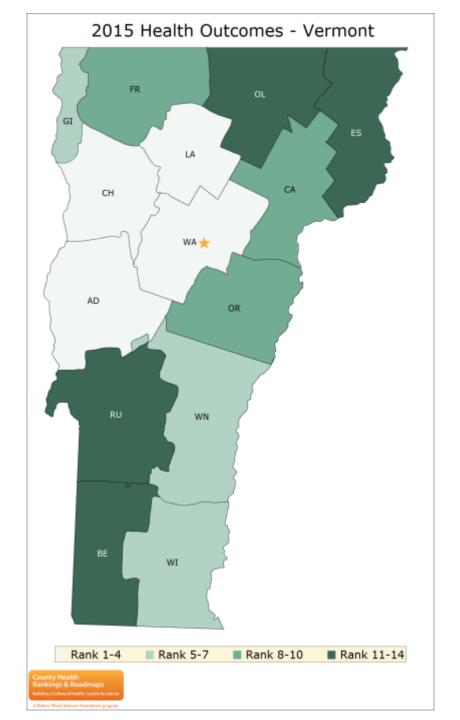


Vermonters are not equally healthy

The overall rankings in health outcomes represent how healthy counties are within the state. The healthiest county in the state is ranked #1.

The ranks are based on 2 types of measures:

- how long people live
- how healthy people feel while alive



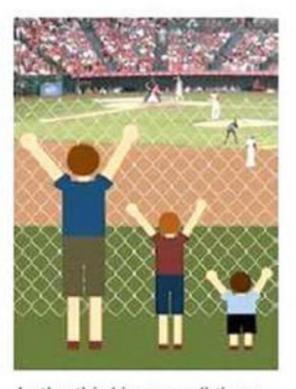
EQUALITY VERSUS EQUITY



In the first image, it is assumed that everyone will benefit from the same supports. They are being treated equally.



In the second image, individuals are given different supports to make it possible for them to have equal access to the game. They are being treated equitably.



In the third image, all three can see the game without any supports or accommodations because the cause of the inequity was addressed. The systemic barrier has been removed.

Evidence Base to Inform Action

State Health Improvement Plan • 2013-2017



















State Health Improvement Plan (SHIP)

The Health Department's priorities:

GOAL 1: Reduce prevalence of smoking & obesity

GOAL 2: Reduce the prevalence of substance abuse and mental illness

GOAL 3: Improve childhood immunization rates

Factors that Affect Health

Smallest Impact

Counseling & Education

Clinical Interventions

Long-lasting Protective Interventions

Changing the Context to make individuals' default decisions healthy

Socioeconomic Factors

Examples

Condoms, eat healthy be physically active

Rx for high blood pressure, high cholesterol

Immunizations, brief intervention, cessation treatment, colonoscopy

Fluoridation, 0g trans fat, iodization, smokefree laws, tobacco tax

Poverty, education, housing, inequality

Largest Impact

Determinants of Health and Equity



Affordable, Healthy, Local Food



Equitable Law and Justice System



Healthcare + Physical Health, Mental Health and Substance Use Prevention Services



Family Wage Jobs and Economic Prosperity



Recreation, Parks and Natural Resources



Clean and Sustainable Natural Environments



Safe and Efficient Transportation



Quality Education



Affordable, Safe, Quality Housing



Strong, Safe and Vibrant Communities



Early Childhood Development

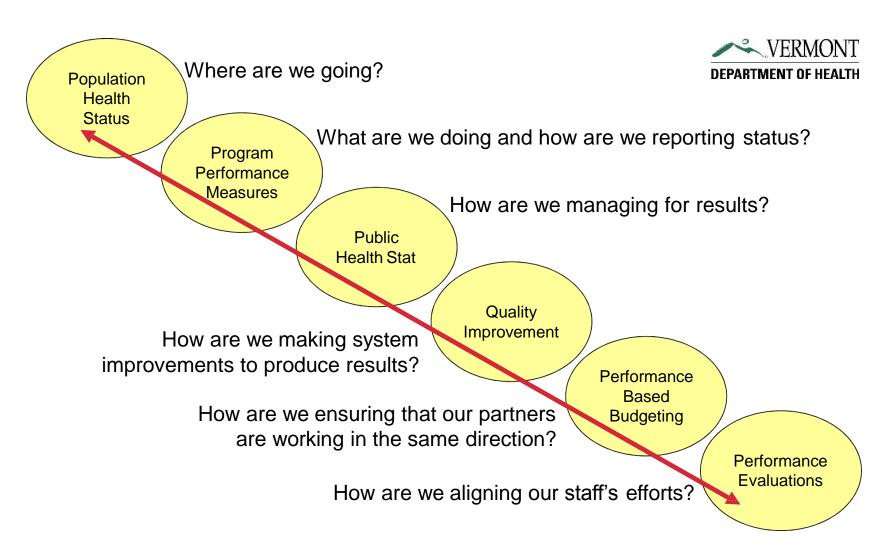


Civic Engagement and Community Connections

Core Values: Equity • Affordability • Access

Performance Management

Performance Management Framework



Framework Language

DEFINITIONS

(Language Discipline)

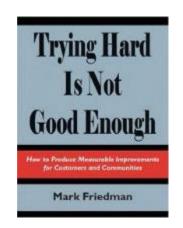
POPULATION ACCOUNTABILITY

RESULT/OUTCOME

A condition of well-being for children, adults, families or communities. Healthy children; Youth graduate on time; Families are economically stable.

INDICATOR

A measure which helps quantify the achievement of a result. Obesity rates; Graduation rates; Median family income.



STRATEGY

A coherent collection of actions often implemented as, programs, initiatives, systems, and services that have a reasonable chance of improving results.

Let's Move, Promise Neighborhoods, CHOICE Neighborhoods, Voluntary Income Tax Assistance

PERFORMANCE **ACCOUNTABILITY**

PERFORMANCE MEASURE

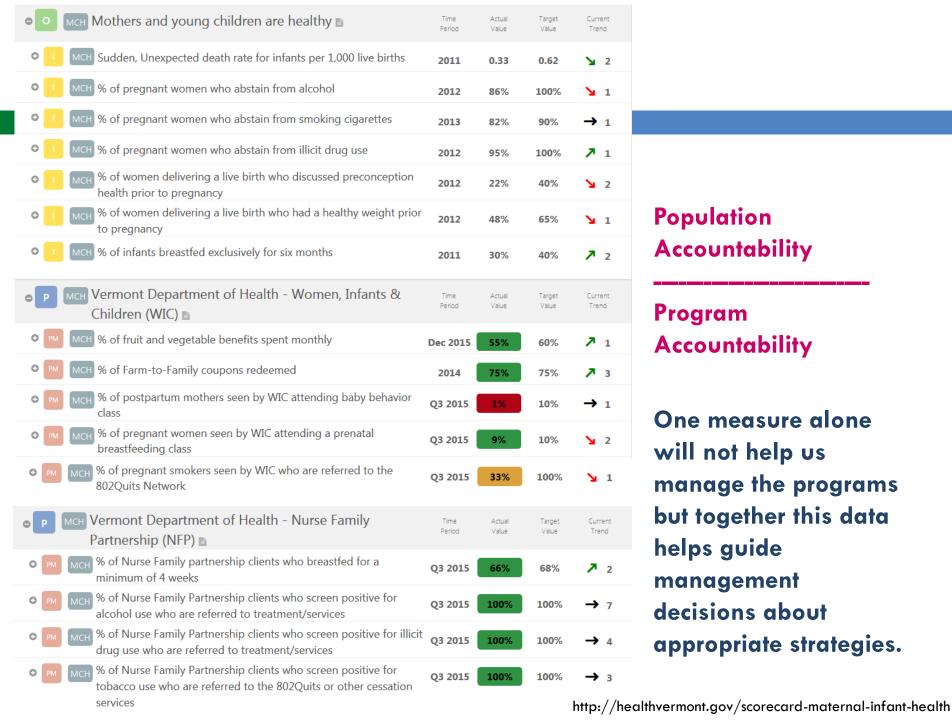
A measure of how well a program, agency, service system or strategy is working.

Three types:

- 1. How much did we do?
- 2. How well did we do it?
- = Customer Results

3. Is anyone better off?





Publicly Accessible Data

New VDH website as of 1/2017

http://healthvermont.gov/





Town health officers and local officials are tuned in to health issues in their

communities. Find information, resources and guidance for town and

municipal health officers, managers, clerks, and planners.

Read More (1)



CAREGIVE

View All Interest Groups (2)

USEFUL RESOURCES

STAND WITH US

OUIT SMOKING AND TOBACCO

DATA ON BEHAVIOR AND CHRONIC DISEASE

Population indicators by region: Data Explorer



HOW HEALTHY ARE WE? PUBLIC HEALTH DATA EXPLORER



Vermont continues to be one of the healthiest states in the nation do but there are challenges ahead. To meet these, we track, measure, report on, and apply data in order to achieve our shared goals for improving public health. Our data explorer allows you to access this information, view

trends over time, and visualize the indicators on Vermont maps. The data explorer highlights data that is part of Healthy Vermonters 2020 and Environmental Public Health Tracking by bringing together environmental and health data in one place. This data should be used to assess and understand

health and well-being in Vermont. It can be used to guide decision making, apply for funding, engage community partners, and demonstrate achievements.

ENTER PUBLIC HEALTH DATA EXPLORER

The public health data explorer starts with selecting from two different starting points:

HEALTHY VERMONTERS 2020

Healthy Vermonters 2020 is the State Health Assessment Plan that captures our priority outcomes and indicators for the decade. The HV2020 Quick Reference gives a quick look at the indicators and Vermont's progress toward our goals.

- The data explorer visualizes 134 population indicators with trend lines showing progress to our 2020 goals, and maps comparing the data at the county, health district, and hospital service area levels. Explore the interactive maps and trends that help us quantify the achievement of priority outcomes.
- Scorecards are interactive "report cards" that show how well Vermont is doing relative to our desired outcomes in 2020. They display statewide population data and program performance measures that support a transparent and accountable health department. They also include additional information on why the indicators are important and the actions we are taking to achieve those goals.

EXPLORE HEALTHY VERMONTERS 2020

ENVIRONMENTAL PUBLIC HEALTH TRACKING

Environmental Health Public Health Tracking is an ongoing national effort to better understand how environmental hazards can contribute to certain illnesses. Vermont is one of 25 states and one city funded by the Centers for Disease Control and Prevention to develop a state and national tracking network of



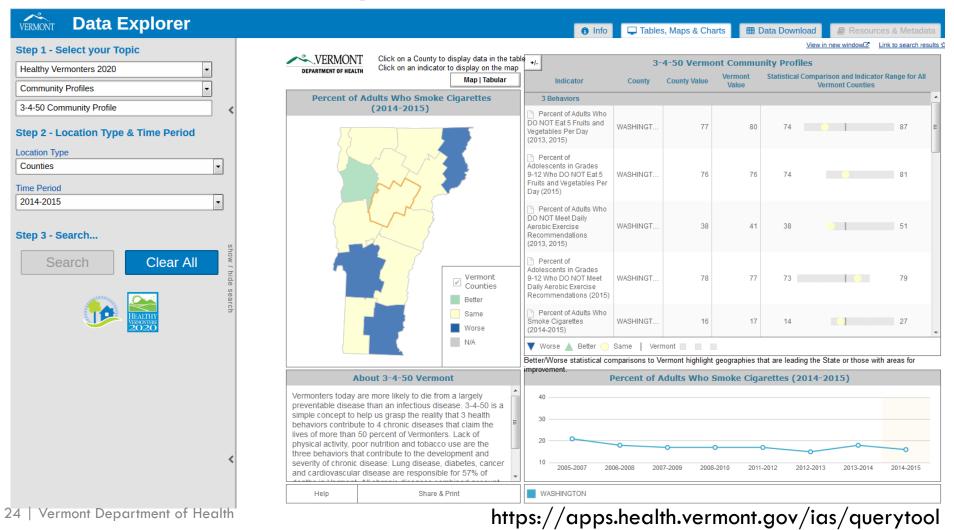
RELATED CONTENT: VT Agency of Human Services Population VT Topic Specific Data National Healthy People 2020 🛃 National Environmental Public Health

> Click here to explore by County, Health District, or **Hospital Area**

Data by region: Public Health Data Explorer

Searchable

Maps, Trends, links to more information



Performance data by topic: Scorecards



HOME / ABOUT US /

HOW HEALTHY ARE WE?

oin us on March 23 for the 2017 Worksite Wellness Conference in Burlington! Learn more: https://t.co

HOW ARE WE DOING? PERFORMANCE SCORECARDS



PERFORMANCE MANAGEMENT & SCORECARDS

The Health Department actively uses performance data to improve the health of Vermonters. We want to know how well we and our partners are performing, so we can adjust public health strategies accordingly.

RELATED CONTENT: How Healthy Are We? Public Health Data Health Department Strategic Plan 2013-2017 Healthy Vermonters 2020 Plans & Reports

This involves the strategic use of performance standards, measures, progress reports, and ongoing quality improvement efforts to ensure we are achieving desired results. The performance management framework guides our efforts.

Performance Management Framework

The performance scorecards measure our efforts. These interactive report cards show how well Vermont is doing compared to our desired outcomes. Scorecards display statewide population data and program performance measures that support transparent and accountable government. They are built according to Results Based Accountability and together provide decision-makers with a consistent way to use data to manage performance.

In contrast, the Public Health Data Explorer is the primary tool for accessing regional population data with maps, trends, and community profiles. At this time, the Data Explorer does not focus on performance but may be beneficial in your data-driven discussions.

- › Healthy Vermonters 2020 Performance Scorecards
- **Opioids Performance Scorecard**
- > 3-4-50 Performance Scorecard



http://healthvermont.gov/about/performance

Programmatic Performance Measures for Budgeting

Population Accountability

This Scorecard demonstrates the programs and performance measures from the Health Department that have been included in the Agency of Administration's Performance Budgeting Exercise. (Established FY2017)

remainded budgeting exercise (Established 112017)				
O AOA Vermonters are healthy (PPMB)	Time Period	Actual Value	Target Value	Current Trend
Substance Abuse Percent of persons age 12 and older who need and do not receive alcohol treatment	2014	7%	5%	→ 1
Substance Abuse Percent of persons age 12 and older who need and do not receive illicit drug use treatment	2014	3%	2%	→ 8
Tobacco % of adults who smoke cigarettes	2014	18%	12%	→ 1
Vermont's children are ready for school (PPMB)	Time Period	Actual Value	Target Value	Current Trend
Immunization % of children age 19-35 months receiving recommended vaccines (4:3:1:4:3:1:4)	2015	76%	80%	7 ₃
Act 186 % of kindergarteners fully immunized with all five vaccines required for school	2015	90%	-	7 2
O AOA Vermont's youth choose healthy behaviors (PPMB) □	Time Period	Actual Value	Target Value	Current Trend
Substance Abuse Percent of adolescents in grades 9-12 who used marijuana in the past 30 days	2015	22%	20%	> 2
Substance Abuse % of adolescents in grades 9-12 binge drinking in the past 30 days	2015	16%	15%	¥ 4
Tobacco % of adolescents in grades 9-12 who smoke cigarettes	2015	11%	10%	3 3

Programmatic Performance Measures for Budgeting

Program Accountability

P AOA Alcohol & Drug Abuse Programs (PPMB)	Time Period	Actual Value	Target Value	Current Trend
Substance Abuse School Screenings: Are we referring students who may have a substance abuse problem to community resources? Measured as percent of students at funded schools who screen positive for possible substance abuse disorders who are referred for a substance abuse assessment.	Q1 2016	90%	90%	7 1
Substance Abuse Social Supports: Are youth and adults leaving treatment with more support than when they started? Measured as percent of treatment clients (excluding residential detoxification and detoxification treatment) who have more social supports on discharge than on admission.	Q2 2016	18%	25%	7 1
Substance Abuse Access to MAT: Are adults seeking help for opioid addiction receiving treatment? Measured as the number of people receiving Medication Assisted Treatment per 10,000 Vermonters age 18-64.	Q3 2016	134	135	7 14
P AOA Immunization Programs (PPMB) ■	Time Period	Actual Value	Target Value	Current Trend
[Immunization] % of public & private providers enrolled in VFC who have received a VFC and/or AFIX visit that includes feedback on practice level IMR completeness and coverage rates	2015	93%	60%	7 1
Immunization % of Kindergarteners provisionally admitted to school	2015	4.6%	5.0%	> 2
Immunization # of provider offices that receive IMR training	2015	59	15	7 1
P AOA Tobacco Control Program (PPMB)	Time Period	Actual Value	Target Value	Current Trend
Tobacco % of 802Quits registrants who complete 4 or more sessions	Q3 2016	32%	35%	7 1
Tobacco Anti-tobacco media campaign intensity for low-income adults, in Gross Rating Points (GRP) per quarter	Q3 2016	0	1,200	1
Tobacco % of youth groups that educate local or state decisionmakers on smoke free policy and retailer tobacco advertising restrictions	2016	81%	100%	> 2

Act 186 – Population Level Outcomes/Priorities Governor's Strategic Plan

% Age 12+ who need and do not receive alcohol treatment

% Age 12+ who need and do not receive drug treatment

% Age 65+ drinking at level of risk

% Age 12+ misusing Rx Drug in the past year

% kids grades 9-12 usina marijuana in the past 30 days

% grades 9-12 binge drinking in past 30 days

Affordable Health Care -

All Vermonters have access to affordable quality healthcare

Strong Families, Safe Communities:

Vermont's children live in stable and supported families and safe communities

High Quality and Affordable Education:

Learners of all ages have the opportunity for success in education

Increase access to substance use disorder services

AHS staff are trained to provide screening for substance use disorders

AHS will increase access to medication assisted treatment

AHS will increase % of people leaving treatment with more supports than at admit

AHS 2016-2019 Strategic Plan

Healthy Vermonters 2020

Support healthy people in very stage of life - reduce the percentage of people who engage in binge drinking of alcohol beverages

Decrease % of youth who binge drink - 2020

Decrease % of youth who used marijuana in the past 30 days -2020

% of persons age 12+ who need and do not receive alcohol treatment

ADAP Dashboard

Objective: Prevent and eliminate the problems caused by alcohol and drug misuse.

Indicators:

- % adolescents in grades 9-12 binge drinking in the past 30 days
- % of adolescents in grades 9-12 who used marijuana in the past 30 days
- % of persons age 12 and older who need and do not receive alcohol treatment
- % of persons age 12 and older who need and do not receive illicit drug use treatment
- % of adults age 18-24 binge drinking in the past 30 days
- % of adults age 65+ who drink at a level of risk

Performance Measures:

- 1) Are we appropriately referring students who may have a substance abuse problem?
- 2) Are youth and adults who need help starting treatment?*
- Are youth and adults who start treatment sticking with it?*
- Are youth and adults leaving treatment with more support than when they started?
- Are adults seeking help for opioid addiction receiving treatment? (under development)
- *Also used by the Dept. of Vermont Health Access

VDH Programs

PROGRAM DEFINITION:

A program is defined as a group of interdependent or interrelated activities directed toward the achievement of a common goal or objective. Programs usually have at least one staff person assigned and represent a discrete area of department focus. Program structure must be maintained to provide consistency in program identification across years.

VDH has approximately 100 programs

Strategic Prevention

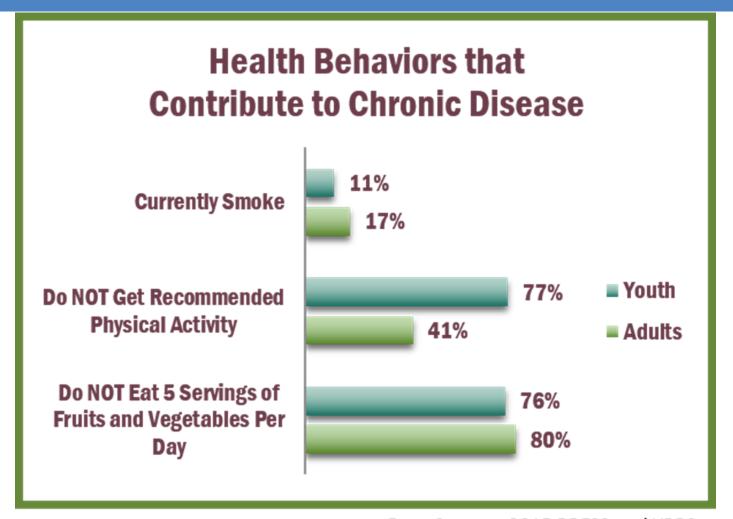
Chronic Disease Highlights

- □ 3-4-50
- □ Oral Health
- □ Tobacco

Health Promotion and Disease Prevention

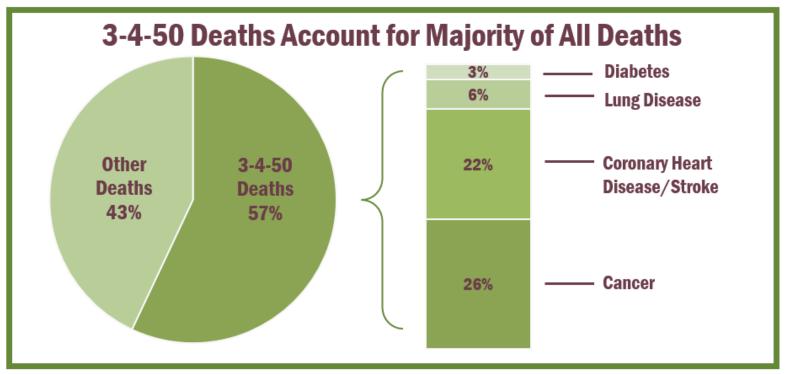


Chronic Disease Prevention: 3-4-50



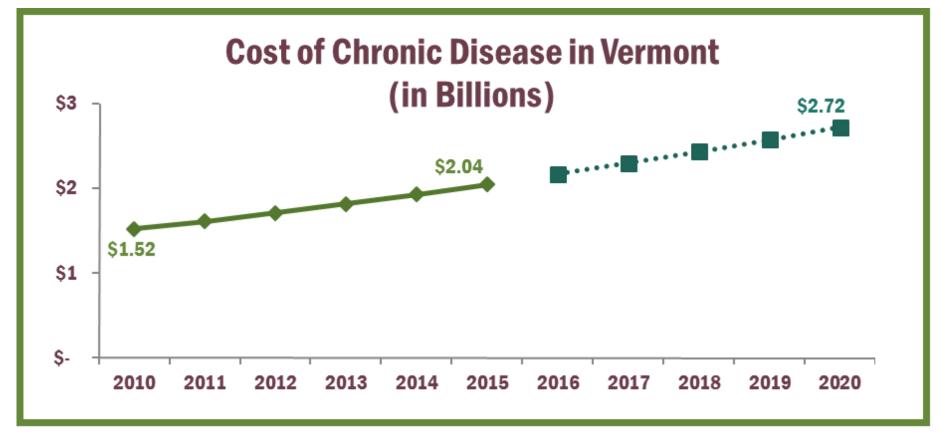
Data Source: 2015 BRFSS and YRBS

Chronic Disease Prevention: 3-4-50



Data Source: 2014 Vermont Vital Statistics

Chronic Disease Prevention: 3-4-50

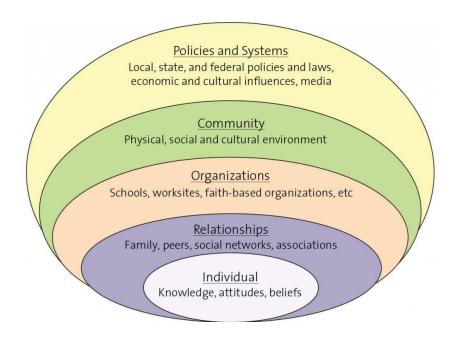


Data Source: Center for Disease Control and Prevention Chronic Disease Cost Calculator

3-4-50 Helps Vermont Meet Our Goals

Multi-sector promotion of healthy behaviors benefits entire communities:

- Students who participate in the USDA School Breakfast Program have better grades and test scores and less absenteeism.
- Physical activity has been linked to better grades, cognitive performance and classroom behavior.
- On average, employers with worksite health promotion programs see 27% reduction in sick leave absenteeism, 26% reduction in health costs and 32% decrease in workers' compensation and disability claims.
- Studies show a 35% increase in physical activity among people who live in communities that have inviting, safe environments for walking, exercise and play.



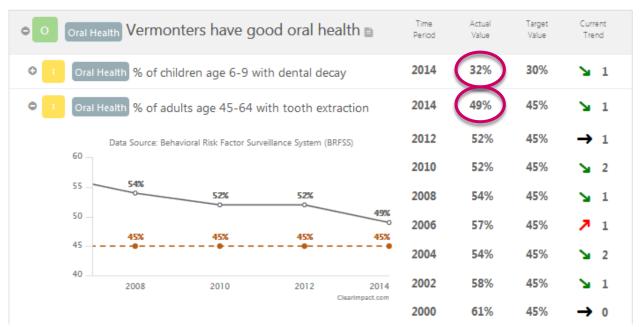
3-4-50 Scorecard

P 3-4-50 Community ■	Time Period	Actual Value	Target Value	Current Trend
Tobacco # of local secondhand smoke ordinances introduced	Q4 2016	4	-	7 1
Obesity # of municipal strategies completed to increase access to physical activity.	HY1 2016	79	100	7 2
Obesity # of municipal strategies completed to increase access to healthy food.	HY1 2016	48	60	7 2
Diabetes % of Health Service Areas that offer Diabetes Prevention Program workshops	Q3 2016	29	93) 1
P 3-4-50 Organizations □	Time Period	Actual Value	Target Value	Current Trend
Obesity # of small businesses with written strategies incorporating one or more of the seven VDH priority strategies for worksite wellness.	HY1 2016	94	140	→ 1
Obesity % of schools implementing Farm to School	2015	83%	90%) 1
Respiratory # of health care organizations (HCOs) influenced by the State Asthma Program to implement an asthma quality improvement process	2015	2	-	→ 1
School Age % of VT Public Schools indicating they use their EHR to identify, track, and maintain current	2016	33%		7 1

Program Accountability

Good oral health is essential to overall health

- Poor oral health has been linked to other chronic conditions, including diabetes and heart disease -- and wellbeing including access to employment
- Tooth decay is the most common chronic condition in children
- Vermont Medicaid Spends:
 - ▶ \$2.5 million a year to treat tooth decay in Vermont children under age 6
 - ▶ \$1 million in FY15 for general assistance vouchers for emergency dental care (mostly extracting rotten teeth)





A Vermont child being treated for Tooth Decay

Population Accountability

http://healthvermont.gov/scorecard-oral-health

Office of Oral Health – Prevention Works

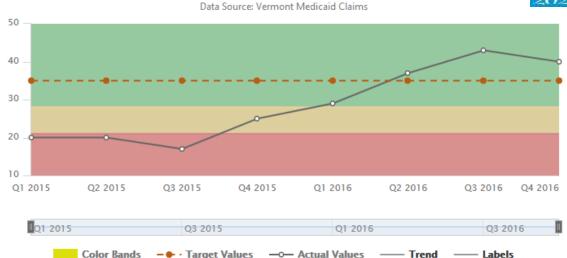
 Medical providers beginning to integrate dental health as part of prenatal/pediatric health care



Vermonters lined up to receive free dental care Photo Credit: Bennington Banner

of medical providers applying fluoride varnish to children under age 6





- Community Water Fluoridation (CWF) is safe, effective and saves money
- Silver Diamine Fluoride (SDF) a potential game changer
 - Simple topical treatment that stops tooth decay (different than fluoride varnish)
 - Can also be used by non-traditional health care providers (nursing home staff, drug treatment centers, cancer treatment centers)

 Program
 - Would reduce number of children in hospital for tooth decay

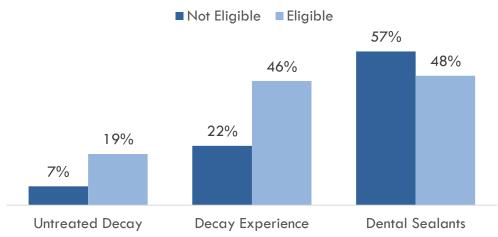
Accountability

Office of Oral Health — Early Intervention

Dental Sealants

- 100% effective at protecting molars from tooth decay
- Less than half (48%) of VT 3rd grade children eligible for school lunch program have dental sealants

3rd Graders eligible for Free/Reduced Lunch more likely to have decay and less likely to have sealants

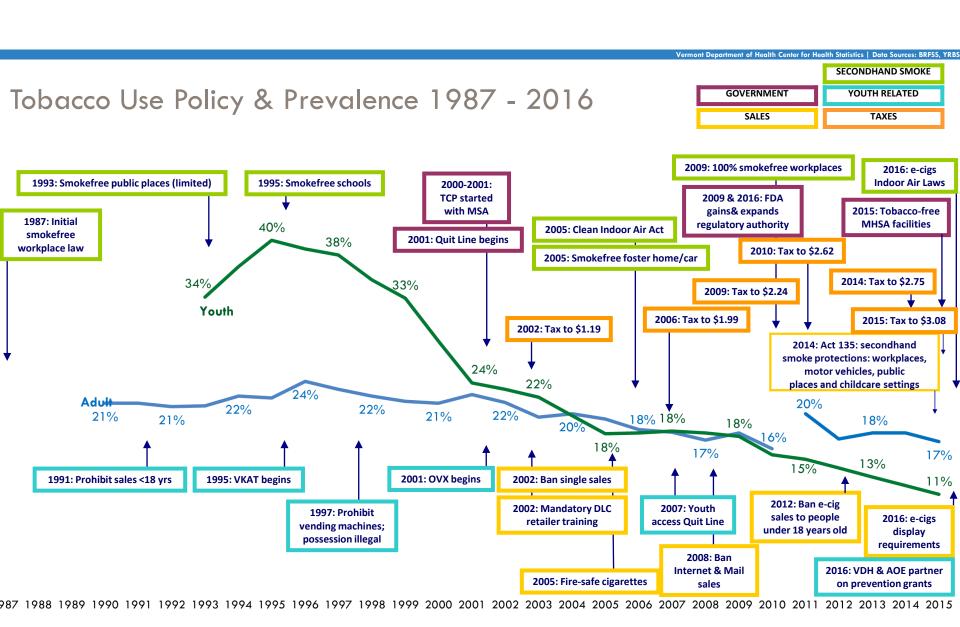


Source: 2013-2014 Keep Smiling Vermont Oral Health Survey of VT Children



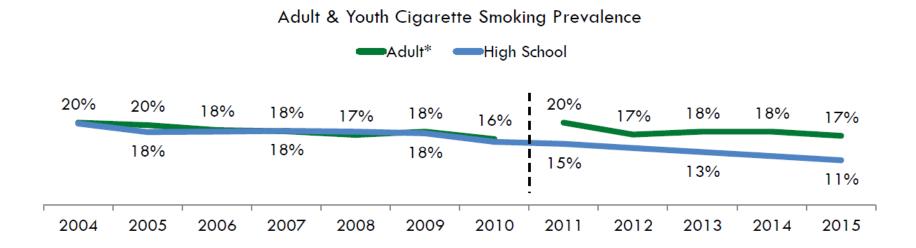
Public Health Dental Hygienists (PHDH)

- Work with families enrolled in WIC
- Support early preventive dental health care and VDH oral health programs
- Five out of 12 Offices of Local Health have a PHDH



Population Accountability

Tobacco Control Program



- Youth and adult smoking rates have decreased significantly
- **Areas of Concern:**
 - 25% of youth report using some form of tobacco in past 30 days (YRBS 2015)
 - Smoking rate is higher among adults with lower income, less education, poor mental health, and substance use

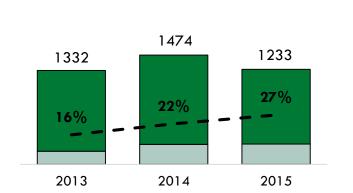
Population Accountability http://healthvermont.gov/scorecard-tobacco

Medicaid-Insured: VT Quitline & Quit Online

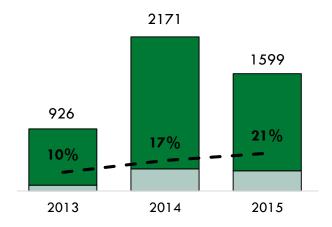
- Although the total number of registrants to Quitline and Quit Online decreased since 2014,
 the number of Medicaid-insured remained stable
- This is why the proportion of Medicaid-insured registrants significantly increased

Quitline Registrants Number of non-Medicaid registrants Number of Medicaid registrants

Percentage of registrants who are Medicaid insured*







Source: National Jewish Health, Vermont Quitline and Quit Online Intake Data, 2013-2015

* The number of Medicaid insured excludes registrants that are insured by both Medicaid and Medicare

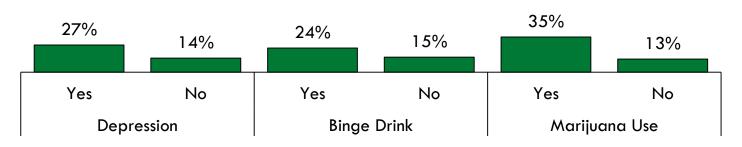
Program Accountability

Wendell at the Superbowl



Smoking, Mental Health & Substance Use

Smoking Prevalence Among Adult Mental Health and Substance **Abuse Populations**



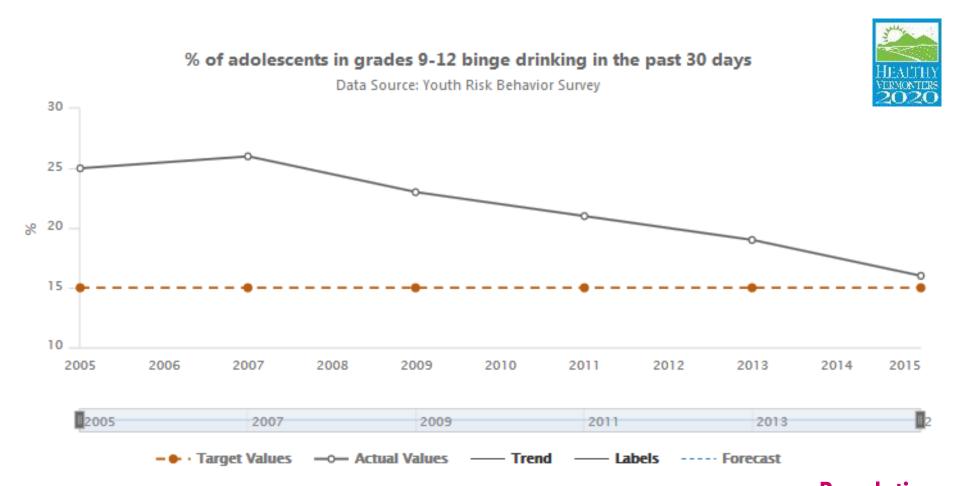
Source: VT BRFSS 2015

- Smoking rate significantly higher in adults with mental health and substance abuse conditions
- Tobacco Control Program provides trainings, technical assistance and quit resources to mental health and substance abuse treatment facilities
- Partnership with Department of Mental Health Culture of Wellness Initiative

Alcohol and Drug Highlights

- □ Binge Drinking
- □ Access to Medication Assisted Treatment

8-year downward trend in binge drinking students



Population Accountability

Partnership for Success Strategy - Evaluation

Partnership for Success (PFS) regions saw less alcohol and prescription drug misuse after the PFS interventions than non-PFS regions.

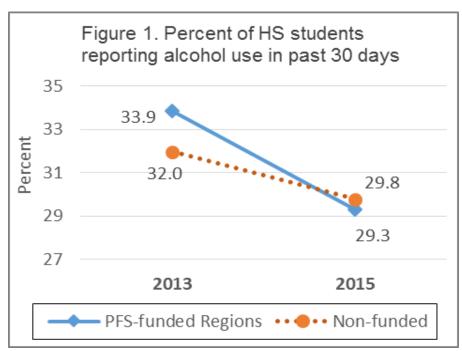


Figure 2. Percent of HS students reporting misuse of R_x pain relievers in past 30 days 6 5 Percent 3.7 3 3.3 2013 2015 PFS-funded Regions ··· • · · Non-funded

PFS effect was significant at p<.05

PFS effect was significant at p<.10



Binge Drinking Prevention

- Regional Prevention Partnerships
 - Educate communities on policies that reduce youth access to alcohol
 - Family education and support
 - Coordinate partners schools, community agencies, law enforcement
- School-based grants in selected SU's support educational programs and screening
- ParentUpVT.org social media and website
 - Prevention tools and resources
 - "Tips from Parents Like You: How to Ask"
 - more than 104,550 views since May 2016



Working together to eliminate substance abuse in Vermont

ParentUpVT

Parent hears social media message on Pandora and links to ParentUp tips on how to talk with their kids about substance abuse.

School-based Substance Abuse Services

High school student does presentation to school board on Youth Risk Behavior Survey.





Vermont's Most Dangerous Leftovers

Patient sees "Most Dangerous Leftovers" poster in doctor's office; decides to bring unwanted medication to a local drug take-back program.

Recovery Centers

Family member gets recovery coaching at local Turning Point Center.



Community Coalitions

Local partners find most residents support reduced alcohol and tobacco ads in their community.

SBIRT

A relative falls and goes to the emergency department; receives a screening and has access to brief intervention and referral to treatment.



Care Alliance for Opioid Addiction



AHS Districts

Parent applies for Supplemental Nutrition Assistance Program, gets free substance abuse screening.

Care Alliance for Opioid Addiction (Hub & Spoke)

Concern about a family member's opiate use leads to referral to treatment programs.

Division of

Alcohol & Drug Abuse Programs

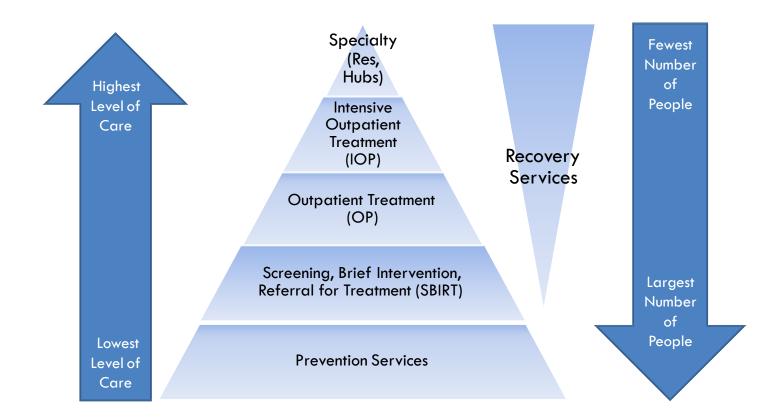
108 Cherry Street • Burlington, VT 05401 800-464-4343 • 802-651-1550



Impaired Driver Rehabilitation Program (Project CRASH)

Family member gets DUI, receives education & assessment.

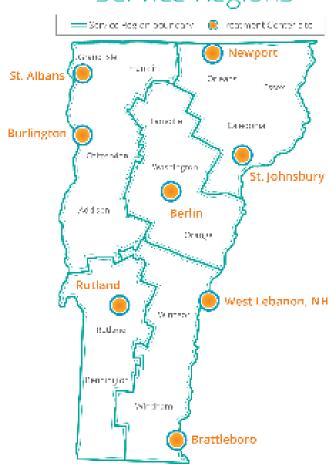
Substance Abuse Continuum of Care





Access to Medicaid Assisted Treatment for opioid use disorder increased — goals adjusted upward

Service Regions



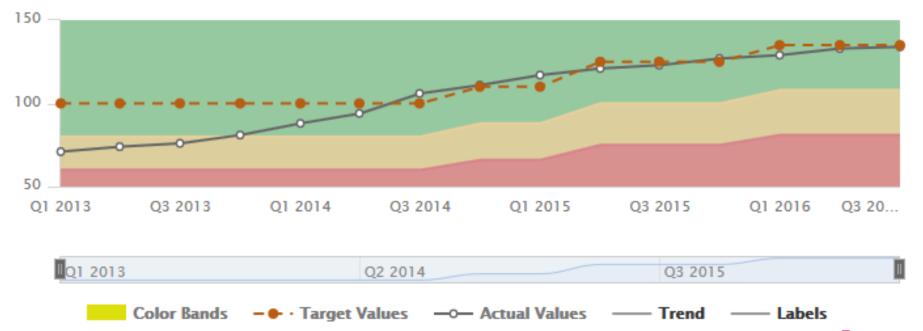
- Collaborative effort with DVHA/Blueprint
- Reflects increases in availability of treatment in both hub and spokes
- A new hub will be opening in Franklin County in March 2017
- □ Wait lists have decreased 70%
 - □ from 514 in Jan 2014 to 156 in Dec 2016

Are adults seeking help for opioid addiction receiving treatment?

Access to MAT: Are adults seeking help for opioid addiction receiving treatment? Measured as the number of people receiving Medication Assisted Treatment per 10,000 Vermonters age 18-64.



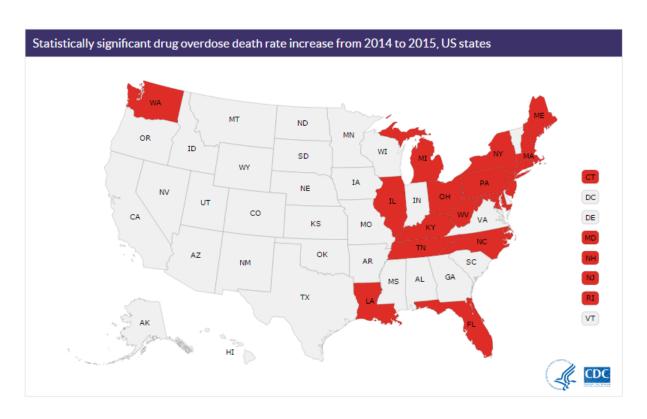
Data Source: Vermont Substance Treatment Information System (SATIS) and State of Vermont Medicaid Claims



Program Accountability

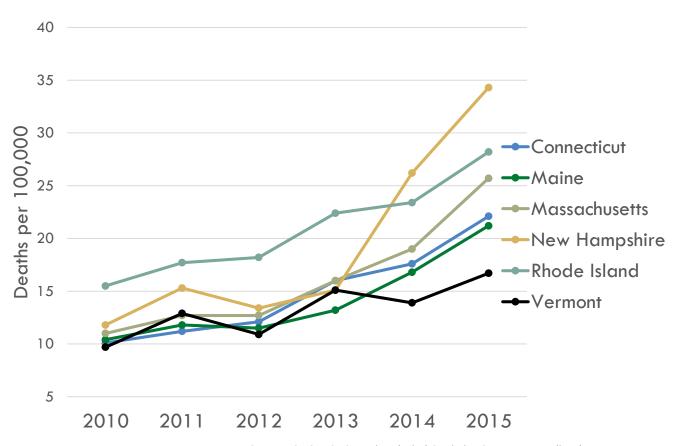
http://healthvermont.gov/scorecard-alcohol-drugs

Vermont is the Only Northeastern State without a Statistically Significant Increase in Drug Overdose 2014 to 2015



Source: CDC/NCHS, National Vital Statistics System, mortality data. Includes opioids and other drugs.

New England Drug Overdose Deaths



Source: CDC/NCHS, National Vital Statistics System, mortality data. Includes opioids and other drugs

Infectious Disease Highlights

□ Immunization



Immunization — in the right direction!

● O IZID Vermonters are protected against vaccine-preventable diseases. ■	Time Period	Actual Value	Target Value	Current Trend
o Immunization % of children age 19-35 months receiving recommended vaccines (4:3:1:4:3:1:4)	2015	76%	80%	7 3
of kindergarteners with 2 or more MMR doses	2015	94%	95%	≯ 2
of adolescents age 13-15 who have completed the HPV vaccination series	2015	33%	80%	≯ 2
o Immunization % of adolescents age 13-17 with at least 1 Tdap booster	2015	96%	90%	≯ 2
Rate of varicella (chicken pox) per 100,000 Vermonters age 17 or younger	2015	19.1	46.4	> 1
of adults age 65 and older who ever had pneumococcal vaccine	2015	76%	90%	7 1
o Immunization % of adults age 65 and older who receive annual flu shot	2015	61%	90% P	2 opulatio
			_	

Infectious Disease Highlights

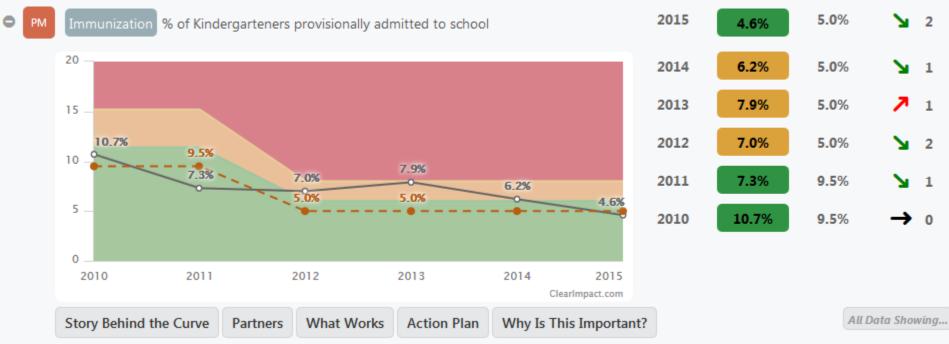
- Improved school vaccination rates (% of students who received all required vaccines):
 - entering K=90%
 - \square K-12=93%
- Vaccines for Children providers:
 - 90% received training and compliance visits
 - 56% received quality improvement visits
- □ CDC Awards:
 - Outstanding progress toward HV 2020 pediatric vaccine goals



Outstanding progress toward HV 2020 teen vaccine targets

Immunization & Schools





Maternal and Child Health Highlights

- □ Nurse Family Partnership
- ☐ Help Me Grow

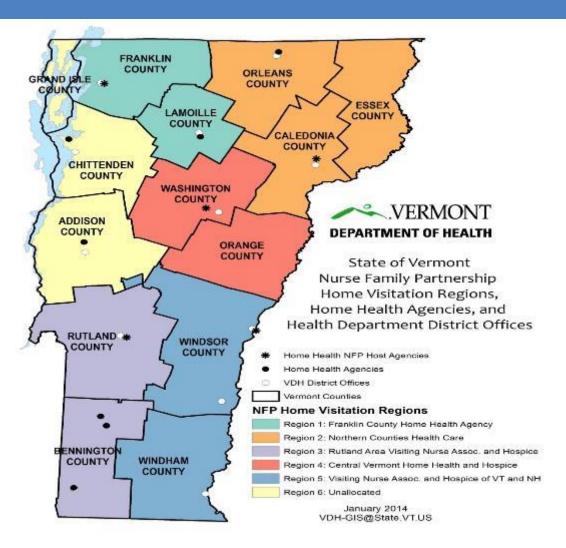
Nurse Family Partnership in Vermont

- Evidence-based, nurse led, home visiting program for low income 1st time pregnant moms through the child's 2nd birthday
- Program goals are to improve: pregnancy outcomes, child health and development, and economic self-sufficiency
- Screening, referrals, and follow up for: smoking, alcohol and drug use, intimate partner violence, maternal depression and childhood developmental delay
- Positive screens for enrolled Vermont families:

Depression	56%
Intimate partner violence	35%
Tobacco use	46%

Drug use	8%
Alcohol use	3%
Developmental delay	11%

Nurse Family Partnership in Vermont



Nurse Family Partnership in Vermont

Evidence of improved outcomes: Smoking cessation

- 100% of NFP clients are screened for tobacco, alcohol and drug use
- 42% reported smoking cigarettes at intake
- 100% of clients who use tobacco are referred to 802Quits
- 41% of NFP moms who smoked at intake quit during pregnancy
- 29% still refrained from smoking at 12 months postpartum

By comparison: % of clients quit smoking during pregnancy

30%	Nurse Family Partnership clients
24%	All Vermont women
20%	Vermont women with births paid by Medicaid

Statewide system for improving access to existing resources and services for young children and their families.

Proactively addresses family's concerns about their child's behavior and development by making connections to existing community-based services and high quality parent education resources.

Facilitates collaboration between health professionals, early care and education professionals, human services providers, and families in order to better identify and address of the needs of children in Vermont.

Family & Community Outreach

to promote Help Me Grow Vermont and bolster healthy child development through families

Child Health and Education Provider Outreach

to support developmental promotion, early detection, and intervention

Data Collection & Analysis

to understand all aspects of the Help Me Grow Vermont system, including gaps and barriers

Centralized Phone Access Point

to connect children and their families to services and care coordination



Leveraging funding for the "4 Core"

Early Learning Challenge Grant MCHB SIG Program **ECCS**

The *Help Me Grow* System

2

Community Outreach

Building Bright Futures

Data Collection and Analysis

VCHIP, BBF, VDH

Early Learning Challenge Grant

Governor's Early

Childhood State and

Regional Councils

Governor's Early Childhood Council (Data and Evaluation Committee)

VT Department of Health

Project LAUNCH

Permanent Fund for Vermont's Children

> Early Learning Challenge grant

Access Point

Vermont 2-1-1

Centralized

Telephone

3

Provider Outreach

VCHIP, VB3, RN Child **Care Wellness Consultants**

Centralized Access Point at Vermont 2-1-1 launched in September 2015.

Since launching the call center has processed:	
Calls (incoming)	788
Calls (outgoing/follow ups)	570
Referrals	931
Total # of children (unduplicated count) served by HMG care coordination	271
by HMG care coordination	Dre

Provider Outreach

Training and coaching to child health providers and early educators on developmental monitoring, screening and linkage.

- 461 early care and education providers trained
- 49 primary care practices participated in quality improvement training
- Working with pediatricians at the University of Vermont Medical Center and Pediatric New American Clinic on mitigating the impact of toxic stress

Community Outreach

Building Bright Futures Regional Coordinators play a crucial role in HMG VT Family and Community Outreach networking efforts

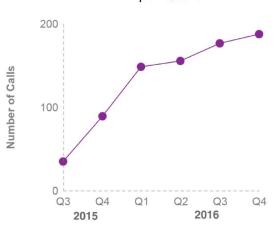
BBF also assists the centralized access point to create a living, real-time statewide resource directory

How much did we do?

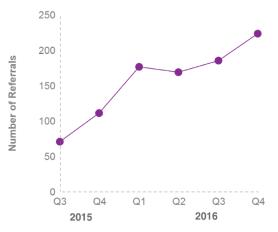
How well did we do it?

Is anyone better off?

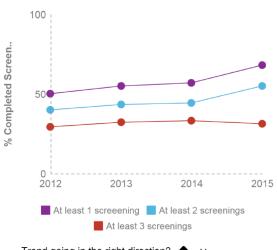
Number of Calls to HMG Call Center per Quarter



Number of Referrals Made by HMG Call Center Staff to Programs on Behalf of Families per Quarter



Proportion of Children with Completed Validated Developmental Screening(s) by 30 Months*



Trend going in the right direction? A Yes



Environmental Health Highlights

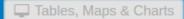
- □ Food and Lodging
- □ Climate and Health
- □ Healthy Homes and Lead
- □ PFOA

Environmental Health



Data Explorer







Resources & Metadata

Step 1 - Select your Topic

Environmental Public Health Tri

Choose one...

Vermont's population is small—about 627,000. Often the number of cases at the geographic level and time period of interest are very small due to the size of our population.

When this occurs, the number of cases or rate is displayed as "*" or "N/A". With only a few cases, it is almost impossible to distinguish

random changes from true changes in the data. Small numbers are also avoided to maintain the confidentiality of individuals.







What is Environmental Public Health Tracking?

Tracking is an ongoing national effort to better understand how environmental hazards can contribute to certain illnesses. Tracking has identified situations where known environmental hazards have resulted in the occurrence of chronic diseases. One example is the onset of asthma attacks in children who live close to highways.

The Vermont Tracking program is being implemented jointly by the state's Departments of Health and Environmental Conservation. The goal is to build a nationwide network that allows the public, policy makers, and public health officials to use environmental and health data more effectively. To learn more about tracking nationally, visit the CDC National tracking portal.

How do I get started?

The Vermont Tracking portal includes two main components:

- Data about environmental and health topics
- · Basic information about the same environmental and health topics

Starting at the Tracking homepage, you can choose a topic area to learn about, or you can go directly to the data. If you choose to learn about a tonic first, just click on the name of the tonic. Once in a narticular tonic

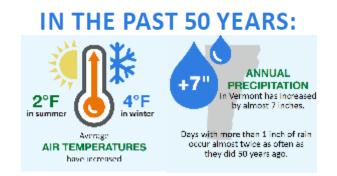
VDH Food & Lodging Program

- Approximately 6,000 licenses issued annually
- □ Estimated 5,000 inspections conducted annually
- □ 2017: 9.5 FTE Public Health Inspectors
- □ Licensing and inspection of establishments
- □ Regulatory compliance & enforcement
- Complaint investigation
- Environmental investigations
- Technical assistance and education



Climate & Health Program

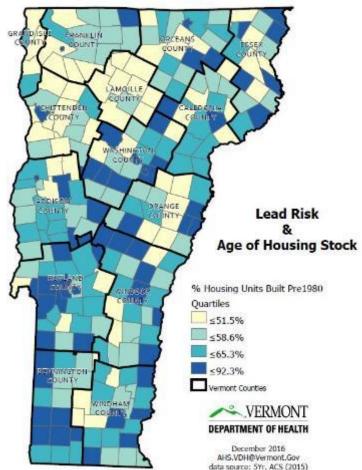
- Climate change is increasing health risks for Vermonters:
 - Heat illnesses
 - Extreme weather events
 - Tick & mosquito diseases
- Water quality
- Cyanobacteria
- Allergens & air pollution



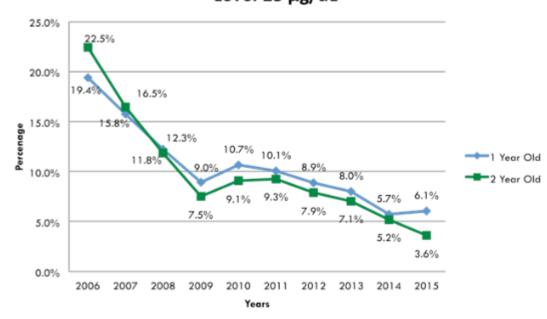
- The Climate & Health Program is responding by:
 - Developing a Hot Weather Emergency Response Plan
 - Supporting an Energy-Saving Trees pilot project
 - Integrating health into the Comprehensive Energy Plan
 - Supporting Energy Efficiency & Healthy Homes partners
 - Raising awareness about risks and response actions

Healthy Homes & Lead Poisoning Prevention Program

In 2015 there were 505 children (5% of children tested) under age 6 that had elevated blood lead levels (≥5 µg/dL).



Vermont Children Ages 1 & 2 with a Blood Lead Level ≥5 µg/dL



Population Accountability

http://healthvermont.gov/scorecard-environment-food-safety

PFOA Blood Testing Goals

- Make sure no additional actions were needed to prevent continued exposure
- Better understand how people in the Bennington community were exposed to PFOA
- Provide community members with their PFOA blood level and how it compares to background levels in the U.S. population

PFOA Laboratory Response



- Processed 478 blood specimens from residents
- Followed strict CDC guidelines for handling
 - Specimens were processed within one hour of collection

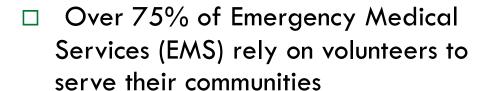
Preparedness and EMS

Preparedness Public Health Emergency Response	Time Period	Actual Value	Target Value	Current Trend
PM Preparedness % of the Burlington/South Burlington Metropolitan Statistical Area population serviced by closed PODs (medicine Points of Distribution)	Q2 2016	17%	20%	7 1
Preparedness Training, Education and Exercising ■	Time Period	Actual Value	Target Value	Current Trend
Preparedness # of total hours of free Continuing Education (CE) completed by Vermont EMS Providers via the web-based LearnEMS platform.	Q2 2016	4,834	1,007) 1
* MRC % of Vermont Medical Reserve Corps (MRC) volunteers meeting minimum training requirements	Q3 2016	15%	45%	> 3
Preparedness % of Health Department staff trained in their emergency response roles	Q2 2016	33%	75%	7 1
Preparedness Coordination & Coalition Development and Support ■	Time Period	Actual Value	Target Value	Current Trend
● PM EMS # of Vermont licensed EMS personnel	Q2 2016	2,539	3,300) 1
MRC # of Medical Reserve Corps (MRC) volunteers	Q3 2016	324	1,000	7 7

Program Accountability

Public Health Volunteer Recruitment and Retention

- Medical Reserve Corps (MRC) target is 1000 members to help support VDH in times of public health emergency
 - Needed over 5x Increase



- Services report recruitment and retention as number one priority for ongoing sustainability
- Created Recruitment and Retention MRC and EMS toolkits
 - All 8 MRC units received
 - 83 EMS agencies received







On Call for Vermont

- Campaign to Recruit Volunteers for MRCs and EMS
 - TV Ads
 - Radio Ads
 - Newspaper Ads
 - Website
- Launched January 2015
 - 166 MRC members
- □ January 2016
 - 254 MRC Members
 - 53% Increase
- □ January 2017
 - 331 MRC Members
 - 99% Increase



In an emergency, your neighbor may need a hand. How about yours?



Vermont's 3,000 certified EMS providers—most of them volunteers—provide critical pre-hospital care to people throughout our state. You can too. Connect with your local squad or sign up for training today.



You can help even if you're not a trained medical professional. Vermonters from all walks of life can join Medical Reserve Corps (MRCs) to lend a hand when a disaster or emergency strikes in your community. Join—or form—a local MRC today.

Please visit



LEARN MORE

Oncallforvt.org
To Learn More

Budget Ups and Downs

Budget

FY18 Department Request - Health

Administration & Support	GF	SF	Tob	IdptT	Ptrust	FF	Medicaid GCF	Invmnt GCF	TOTAL
VDH Admin & Support - As Passed FY17	2,156,700	1,286,732				5,584,598	882,997	3,854,042	13,765,069
Grants:			· Andersonstein der S	CONTRACTOR AND CO	oceaniste en 12 mais de la	ara da la mara de la		esse intimés de	
S.243 - Opicid Abuse - Evidence-Based Education Program established in 18									
V.S.A. Chapter 91 (Evidence-Based Education and Advertising Fund)		250,000							250,000
FY17 after other changes	0	250,000	0	0	0	0	0	0	250,000
Total after FY17 other changes	2,156,700	1,536,732	0	0	0	5,584,598	882,997	3,854,042	14,015,069
FY17 after other changes		100000000000000000000000000000000000000				140000000000	A120000		
Personal Services:									
Salary & Eringa Increase	228,985	31.051				583,316	(108,293):	(400,082)	334,977
Vacancy savings	(69.885)						(9,750):	(33,475)	(113,110
Other personal service adjustments	(42,400)	63,998				56,120	(4,680)	(14,040)	58,998
Operating Expenses:									
Internal service fund (ISF) incresse	29,595	9,000		45,000		38,272			121,867
Grants:									
GC Admin to Medicaid Admin swap	344,000					344,000	(000,888)		
FY18 Changes	490,295	104,049	0	45,000	0	1,021,708	(810,723)	(447,597)	402,732
FY18 Gov Recommended	2,646,995	1,640,781	0	45,000	0	6,606,306	72,274	3,406,445	14,417,801

Budget

FY18 Department Request - Health

Public Health	GF	SF	Тоь	IdptT	Ptrust	FF	Medicald GCF	Invmnt GCF	TOTAL
VDH Public Health - As Passed FY17	5,496,552	17,054,895	2,409,514	1,121,861	25,000	38,055,582	11,542,023	12,584,219	88,289,646
other changes:	ANNOUNCE TO A STREET OF STREET	marine and a sure of the sure	ramonima anno an S			and the second second			
Grants:									
S.243 - Opioid Abuse - Opioid antagonist rescue kits (Evidence-Based Education and Advertising Fund)		150,000							150,000
S.243 - Opicid Abuse - Hospital Antimicrobial Program (Evidence-Based			13			- 15			venezuii.
Education and Advertising Fund)	aran aran Ba	250,000	anara anaran B	zanamana 🖟	GLOSSIAN STATE		anna a canana da c	,	250,000
S 243 - Opioid Abuse - Natoxone to Emergency Medical Services (Evidence- Based Education and Advertising Fund)		32,000							32,000
FY17 after other changes	0	432,000	0	0	0	0	0	0	432,000
Total after FY17 other changes	5,496,552	17,486,895	2,409,514	1,121,861	25,000	38,055,582	11,542,023	12,584,219	88,721,646
FY17 after other changes				- 1		14.5			
Personal Services:	recommendad by		samuraa aa K	ar en lagrande de la	tressum sameros de	nores mandib		valuerossonener Er	2007 1 0754 0755 0754
Salary & Fringe Increase	2 856 358	191,916	i.	(416,880):		5,042,179	(2,260,385)	(2,728,212)	2,684,976
Vacancy savings	(240,482)			0		and the same of th	(113,118)	(142,710)	(496,310
Contract & 3rd Party reductions		(185,167)				(1,245,128)		(379,234)	(1,809,529
Operating Expenses:									······
Operating expense reductions (51320,522217.522350)	(295,000)	(50,074)		289,465		(1,232,023)		(309,483)	(1,617,095
Grante:									
WIC Food						(2,000,000):			(2,000,000
Tobacco fund MSA 30% cut			(722.854)						(722,854
Transfer to AHS as state share for tobacco GC increase			(622,742)				(1 500 000)	1,345,596	722,854
GC Admin to Medicaid Admin swap 50/50	750,000					750,000	I LINEAUSENIA		
GC Admin to Medicaid Admin swap Certifieds						5,487,087	(5,487,087)		
FY18 Changes	3,070,876	(43,325)	(1,345,596)	(147,415)	0	6,802,115	(9,360,590)	(2,214,023)	(3,237,958
FY18 Gov Recommended	8,567,428	17,443,570	1,063,918	974.446	25,000	44,857,697	2,181,433	10,370,196	85,483,688

Budget

FY18 Department Request - Health

Alcohol and Drug Abuse	GF	SF	Tob	ldptT	Ptrust	FF	Medicaid GCF	Invmnt GCF	TOTAL
VDH Alcohol and Drug Abuse - As Passed FY17	2,755,862	459,453	1,357,025			12,012,707	31,070,691	3,661,122	51,316,860
other changes:					A				
Grants:									
5.243 - Oploid Abuse - Unused prescription drug disposal initiatives (Evidence-									
Based Education and Advertising Fund)		625,000							625,000
FY17 after other changes	0	625,000	0	0	0	0	0	0	625,000
Total after FY17 other changes :	2,755,862	1,084,453	1,357,025	0	0	12,012,707	31,070,691	3,661,122	51,941,860
FY17 after other changes									
Personal Services:			×				arramental de la Santa		
Salary & Fringe increase	236,007	308				527,879	(706,452)		57,742
Increased GF & GC vacancy savings	(30.000)					(40.000);			(70.000)
	(303,334)					40,000	(200,000)		(463,334)
Operating Expenses:									
Grants:		[]					4		
SUD Treatment (MSA payment reduction 30%)			(407, 108)			407,108			
SUD Treatment (St Albans MAT hub annualization)							1,980,000		1,980,000
Adjustment to DA 2% increase (AHS net-neutral, funding from DMH)							279,321		279,321
2% DA increase ennualization	9	50		0			125,917		125,917
GC Admin to Medicaid Admin swap 50/50	250,000					250,000	(500,000)		
53rd week base funding rescission							(515,584)		(515,584
FY18 Changes	152,673	308	(407,108)	0	0	1,184,987	463,202	0	1,394,062
FY18 Gov Recommended	2,908,535	1,084,761	949,917	0	0	13,197,694	31,533,893	3,661,122	53,335,922

Department Total	GF	SF	Tob	IdptT	Ptrust	FF	Medicald GCF	Invmnt GCF	TOTAL
TOTAL FY17 VDH Big Bill As Passed	10,409,114	18,801,080	3,766,539	1,121,861	25,000	55,652,887	43,495,711	20,099,383	153,371,575
TOTAL FY17 VDH Reductions & other changes	0	1,307,000	0	0	0	0	0	0	1,307,000
TOTAL FY18 VDH Starting Point	10,409,114	20,108,080	3,766,539	1,121,861	25,000	55,652,887	43,495,711	20,099,383	154,678,575
TOTAL FY18 VDH ups & downs	3,713,844	61,032	(1,752,704)	(102,415)	0	9,008,810	(9,708,111)	(2,661,620)	(1,441,164)
TOTAL FY18 VDH Gov Recommended	14,122,958	20,169,112	2,013,835	1,019,446	25,000	64,661,697	33,787,600	17,437,763	153,237,411

End