

**PCAG Agenda**  
January 16, 2019

1. HRAP Review (5 minutes)
  - a. Handout: HRAP Legislative Mandate
2. Review list of Conditions (10 minutes)
  - a. Handout: Health Indicators List
3. Identifying Health Resources (1 hour)
  - a. Handout: Identifying Health Resources
4. Discuss potential future topics (10 minutes)

## **HRAP Legislative Mandate:**

Publish on the website the Health Resource Allocation Plan identifying Vermont's critical health needs, goods, services, and resources, which shall be used to inform the Board's regulatory processes, cost containment and statewide quality of care efforts, health care payment and delivery reform initiatives, and any allocation of health resources in the State.

The Plan shall identify **VT residents' needs for health care services, programs and facilities; the resources available and the additional resources that would be required to realistically meet those needs and to make access to those services, programs and facilities affordable for consumers;** and the priorities for addressing those needs on a statewide basis. The Board may expand the Plan to include the resources, needs and priorities related to the social determinants of health. The Plan shall be revised periodically, but not less frequently than once every four years.

The Plan must:

### **Identify Priorities** using:

- State Health Improvement Plan
- Community health needs assessments
- Workforce info
- Board materials acquired through regulatory process
- Public input via open meeting and advisory committee

Use **existing data sources to identify and analyze gaps between supply of health resources and the health needs of residents** and to identify utilization trends to **determine areas of underutilization and overutilization**

Consider the **cost impacts of fulfilling any gaps between supply and needs**

**Health Resources defined as investments in personnel, equipment, and infrastructure to deliver hospital, nursing home and other inpatient services; ambulatory care including primary care, mental health, health screening/early intervention, and services related to substance use; home health, and emergency care (including ambulance).**

**HRAP 2020  
Health Indicators List**

DRAFT- For discussion and development  
*Indicators in blue text represent All Payer Model quality measures*

Condition	Measure Description	Type
<b>Chronic Disease: Screening, Morbidity, Mortality and Associated Indicators</b>		
Asthma	% of adults with asthma	1. Prevalence
Asthma	% of children with asthma	1. Prevalence
Asthma	% receiving appropriate asthma medication management	4. Treatment
Asthma	ED visits (under 4, 5-65, 65+)	6. Hospitalization/ED Visit
Cancer (all)	prevelence all cancers/pop	1. Prevalence
Cancer (all)	mortality-all cancers/pop	2. Mortality
Cancer (breast)	breast cancer per 100,000 females	1. Prevalence
Cancer (breast)	Late stage breast cancer rate	1. Prevalence
Cancer (breast)	% female adults age 50-74 receiving breast cancer screening	3. Screening
Cancer (cervical)	% female adults age 21-65 receiving cervical cancer screening	3. Screening
Cancer (colorectal)	colorectal cancer per 100,000	1. Prevalence
Cancer (colorectal)	Late stage colorectal cancer rate	1. Prevalence
Cancer (colorectal)	% adults age 50-75 receiving colorectal cancer screening	3. Screening
Cancer (lung)	lung cancer per 100,000	1. Prevalence
Cancer (lung)	Tobacco-related neoplasms, mortality rate	2. Mortality
Cardiovascular (all)	% adults with cardiovascular disease	1. Prevalence
Cardiovascular (all)	Coronary heart disease death rate per 100,000	2. Mortality
Cardiovascular (cholesterol)	% adults with high cholesterol	1. Prevalence
Cardiovascular (cholesterol)	% adults with a cholesterol check in past 5 years	3. Screening
Cardiovascular (hypertension)	% adults with hypertension	1. Prevalence
Cardiovascular (hypertension)	% screened blood pressure	3. Screening
Cardiovascular (hypertension)	ACO chronic disease composite: controlling high blood pressure	3. Screening
Cardiovascular (hypertension)	hospitalization rate	6. Hospitalization/ED Visit
Cardiovascular (stroke)	Stroke death rate per 100,000	2. Mortality
Cardiovascular (stroke)	Stroke hospitalization rate	5. Hospitalization
COPD	COPD: % adults with chronic obstructive pulmonary disease (COPD)	1. Prevalence
COPD	COPD: % pop over 65 with diagnosed with COPD	1. Prevalence
COPD	COPD: hospitalizations/pop	5. Hospitalization
Diabetes	% adults with diabetes (prevalence)	1. Prevalence
Diabetes	mortality rate	2. Mortality
Diabetes	% adults tested for high blood sugar in last three years	3. Screening
Diabetes	ACO chronic disease composite: HbA1c poor control	3. Screening
Diabetes	Adults with diabetes who had A1c test twice last year	3. Screening
Diabetes	Adults with diabetes who had eye exam last year	3. Screening
Diabetes	Adults with diabetes who had foot exam last year	3. Screening
Diabetes	ED rate	6. Hospitalization/ED Visit
Diabetes	hospitalization rate	6. Hospitalization/ED Visit
Pneumonia	hospitalizations/pop	6. Hospitalization/ED Visit
<b>Immunization</b>		
Flu	% adults age 65 and older who receive annual flu shot	3. Prevention
Pneumococcal	% adults age 65 and older who ever had pneumococcal vaccine	3. Prevention
Schedule	% of children age 19-35 months receiving recommended vaccines	3. Prevention
<b>Infectious Disease</b>		
Hepatitis A	Hep A acute incidence	1. Prevalence
Hepatitis B	Hep B acute incidence	1. Prevalence
Hepatitis C	Hep C acute incidence	1. Prevalence
Hepatitis C	Hep C virus past or present incidence	1. Prevalence
Hepatitis B	Chronic Hep B virus incidence (newly reported)	1. Prevalence
Lyme	Lyme incidence	1. Prevalence
Pertussis	Pertussis incidence	1. Prevalence
Tuberculosis	Tuberculosis incidence	1. Prevalence
HIV/AIDS	AIDS incidence	1. Prevalence
Chlamydia	Chlamydia incidence	1. Prevalence
Gonorrhea	Gonorrhea incidence	1. Prevalence
HIV/AIDS	HIV incidence	1. Prevalence
HIV/AIDS	HIV/AIDS hospitalization rate	6. Hospitalization/ED Visit
Syphilis	Syphilis incidence	1. Prevalence

Maternal and Child Health		
Maternal and Child Health	% children with special health care needs	1. Prevalence
Maternal and Child Health	live births 15-19 mother/pop	1. Prevalence
Maternal and Child Health	infant mortality rate	2. Mortality
Maternal and Child Health	% live births for which mother received prenatal care	3. Prevention
Maternal and Child Health	Developmental screening in first 3 years of life	3. Prevention
Maternal and Child Health	Pediatric weight assessment and counseling	4. Screening
Mental Health		
Anxiety	% youth with diagnosed anxiety	1. Prevalence
Anxiety	% adults with diagnosed anxiety	1. Prevalence
Depression	% adults with a depressive disorder	1. Prevalence
Depression	% adults screened for depression	4. Screening
Depression	% adults with current signs of depression	4. Screening
Depression	% youth with current signs of depression	4. Screening
Depression	<a href="#">Multi-payer ACO screening and follow-up for clinical depression</a>	4. Screening
Mental Health (all)	% adults currently receiving MH treatment	4. Screening
Mental Health (all)	<a href="#">30-day follow-up after discharge from ED for mental health</a>	4. Screening
Mental Health (all)	% youth currently receiving MH treatment	5. Treatment
Mental Health (all)	<a href="#">Rate of growth in number of mental health ED visits</a>	6. Hospitalization/ED Visit
Suicide	<a href="#">Rate of suicide deaths per 100,000 Vermonters</a>	2. Mortality
Suicide	% adolescents in grades 9-12 who made a suicide plan	4. Screening
Physical Activity, Nutrition and Obesity		
Nutrition	% adults who do NOT eat 5 fruits & vegetables per day	3. Prevention
Nutrition	% adolescents in grades 9-12 who do NOT eat 5 fruits & vegetables per day	3. Prevention
Physical Activity	% of adults meeting aerobic physical activity guidelines	3. Prevention
Physical Activity	% adolescents in grades 9-12 meeting physical activity guidelines	3. Prevention
Obesity	% adults age 20 and older who are obese	1. Prevalence
Obesity	% adults age 20 and older who are overweight	1. Prevalence
Obesity	% adolescents in grades 9-12 who are obese	1. Prevalence
Obesity	% children age 2-5 (in WIC) who are obese	1. Prevalence
Substance, Tobacco and Alcohol Abuse		
Alcohol and Drugs	% adults who binge drank in the last month	1. Prevalence
Alcohol and Drugs	% adolescents in grades 9-12 binge drinking in the past 30 days	1. Prevalence
Alcohol and Drugs	Drug affected live births	1. Prevalence
Alcohol and Drugs	EMS overdose response rate	1. Prevalence
Alcohol and Drugs	Rate of Opioid-related fatalities per 100,000 Vermonters (by county of residence at de	2. Mortality
Alcohol and Drugs	<a href="#">Deaths related to drug overdose, Vermont residents</a>	2. Mortality
Alcohol and Drugs	Alcohol-induced mortality rate	2. Mortality
Alcohol and Drugs	Substance-induced mortality rate	2. Mortality
Alcohol and Drugs	<a href="#">ACO 30-day follow-up after discharge from ED for alcohol or other drug</a>	4. Screening
Alcohol and Drugs	<a href="#">#f VPMS queries by prescribers who have written at least one opioid Rx/unique people with opioid Rx</a>	4. Screening
Alcohol and Drugs	<a href="#">ACO initiation of alcohol or other drug treatment</a>	5. Treatment
Alcohol and Drugs	<a href="#">ACO engagement of alcohol or other drug treatment</a>	5. Treatment
Alcohol and Drugs	<a href="#"># per 10,000 ages 18-64 receiving MAT</a>	5. Treatment
Alcohol and Drugs	<a href="#">Rate of growth in number of substance abuse related ED visits</a>	6. Hospitalization/ED Visit
Alcohol and Drugs	Alcohol and Substance use related ED visits	6. Hospitalization/ED Visit
Alcohol and Drugs	Alcohol and Substance-induced hospital admissions	6. Hospitalization/ED Visit
Tobacco/Marijuana	% adults who smoke cigarettes	1. Prevalence
Tobacco/Marijuana	% adolescents in grades 9-12 who smoke cigarettes	1. Prevalence
Tobacco/Marijuana	% adult smokers who attempted to quit smoking in the past year	1. Prevalence
Tobacco/Marijuana	% adolescents in grades 9-12 who used marijuana in the past 30 days	1. Prevalence
Tobacco/Marijuana	<a href="#">Multi-payer ACO tobacco use assessment and cessation intervention</a>	5. Treatment
Vision and Oral Health		
Oral Health	% of third graders with dental decay	1. Prevalence
Oral Health	% of Adults using dental system yearly	4. Screening
Oral Health	% children grades K-6 using dental system yearly	4. Screening
Oral Health	% of children grades 7-12 using dental system yearly	4. Screening
Vision	% of children receiving vision screenings at school	4. Screening

Type of Measure
1. Prevalence
2. Mortality
3. Prevention
4. Screening
5. Treatment
6. Hospitalization/ED Visit

## **HRAP 2020 Identifying Health Resources**

### **I. Description of Project**

The Health Resource Allocation Plan (HRAP) is a tool to inform health regulatory processes, cost containment and statewide quality of care efforts, health care payment and delivery reform initiatives, and any allocation of health resources in the State. In order to effectively address the needs of a geographic population, HRAP requires a list of medical resources (services and equipment) available in each community.

**Scope:** Develop a list of resources necessary to effectively address each condition on the list of health indicators. Resources should address all levels of a condition: from prevention, to screening, treatment and rehabilitation.

For example, what resources would be necessary to effectively prevent diabetes. Additionally, what resources would be necessary to effectively screen, treat and rehabilitate a patient with diabetes.

### **II. January 16<sup>th</sup> PCAG Meeting**

The HRAP team would like to use PCAG's clinical expertise to begin developing the list of health resources. To do this, we would like to engage PCAG with a group exercise aimed at identifying health resources:

1. Review list of conditions
2. Identify resources to effectively address the condition, in the following categories:
  - a. Prevention
  - b. Screening
  - c. Treatment
  - d. Rehabilitation
3. Review results, including challenges and areas for further discussion