

## Relationship of Virginia 2000 Objectives and HEDIS 3.0 Measures

HEDIS (Health Plan Employer Data and Information Set) 3.0 is a set of standardized performance measures designed to assure that purchasers and consumers of health care insurance have the information they need to reliably compare the performance of managed health care plans. It is sponsored, supported and maintained by the National Committee for Quality Assurance (NCQA).

The HEDIS 3.0 standards are grouped into Reporting Set Measures on which health plans are currently expected to provide information, and Testing Set Measures on which they may be expected to provide information in the future. Both sets of measures include performance domains which categorize the type of assessment as being related to one of the following areas (#4 and #8 are not included in the Testing Set Measures):

- (1) Effectiveness of care
- (2) Accessibility and availability of care
- (3) Satisfaction with the experience of care
- (4) Stability of the health plan
- (5) Use of services
- (6) Cost of care
- (7) Informed health care choices
- (8) Plan descriptive information

In the interest of enabling those in the managed care industry to quickly discern the extent to which the objectives in *Healthy Virginia Communities* are related to the NCQA standards, we have constructed a table which, while not exhaustive, does present a comprehensive overview of the relationship between the Virginia 2000 Objectives and the HEDIS 3.0 Reporting Set Measures. For the sake of brevity, the table does not include applicable Testing Set Measures, as these have not yet been implemented. Following the table, however, a list of these measures is provided so that the reader can see for himself what the future linkages may be.

In addition to the measures listed in the table, there are several crosscutting measures that are applicable to virtually all of the Virginia 2000 Objectives. In order to conserve space, these measures are listed here only, rather than being repeated under each of the cited objectives:

### Crosscutting HEDIS 3.0 Measures

- Availability of primary care providers (Reporting Set 2)
- Adults' access to preventive/ambulatory services (applies to all adult-related measures; Reporting Set 2)
- Availability of language interpretation services (Reporting Set 2)
- Language translation services (Reporting Set 7)
- Arrangements with public health, educational and social service organizations (Reporting Set 8)
- Preventive care and health promotion (Reporting Set 8)
- Case management (Reporting Set 8)

It is our hope that the table will be a useful tool for initiating discussions between local health departments and HMOs as they seek to identify issues on which they can work together.

The table indicates where there is correlation between the objectives in the report and the HEDIS 3.0 Reporting Set Measures (the number in parentheses refers to the performance domain referenced on the preceding page).

Virginia 2000 Objective	HEDIS 3.0 Measures	Reporting Set (Domain)
Reduce the infant mortality rate to no more than 7 per 1,000 live births	<ul style="list-style-type: none"> <li>• Childhood immunization status</li> <li>• Prenatal care in the first trimester</li> <li>• Low birthweight babies</li> <li>• Advising smokers to quit</li> <li>• Availability of obstetrical and prenatal care providers</li> <li>• Initiation of prenatal care</li> <li>• Low birthweight deliveries at facilities for high-risk deliveries and neonates</li> <li>• Frequency of ongoing prenatal care</li> <li>• Weeks of pregnancy at time of enrollment</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li>   <li>• Reporting Set (8)</li> </ul>
Reduce low birthweight to an incidence of no more than 5% of live births	<ul style="list-style-type: none"> <li>• Prenatal care in the first trimester</li> <li>• Low birthweight babies</li> <li>• Advising smokers to quit</li> <li>• Availability of obstetrical and prenatal care providers</li> <li>• Initiation of prenatal care</li> <li>• Low birthweight deliveries at facilities for high-risk deliveries and neonates</li> <li>• Frequency of ongoing prenatal care</li> <li>• Weeks of pregnancy at time of enrollment</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li>   <li>• Reporting Set (8)</li> </ul>
Increase to at least 90% the proportion of all pregnant women who receive prenatal care in the first trimester	<ul style="list-style-type: none"> <li>• Prenatal care in the first trimester</li> <li>• Availability of obstetrical/ prenatal care providers</li> <li>• Initiation of prenatal care</li> <li>• Frequency of ongoing prenatal care</li> <li>• Weeks of pregnancy at time of enrollment</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li>   <li>• Reporting Set (8)</li> </ul>
Reduce pregnancies among females aged 15-17 to no more than 50 per 1,000 adolescents	<ul style="list-style-type: none"> <li>• Check-ups after delivery</li> <li>• Children's access to primary care providers</li> <li>• Availability of mental health/chemical dependency providers</li> <li>• Adolescent well-care visit</li> <li>• Pediatric mental health network</li> <li>• Chemical dependency services</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (2)</li>   <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> </ul>

Virginia 2000 Objective	HEDIS 3.0 Measures	Reporting Set (Domain)
Increase the percentage of women who abstain from smoking while pregnant to at least 90%	<ul style="list-style-type: none"> <li>• Advising smokers to quit</li> <li>• Availability of obstetrical/ prenatal care providers</li> <li>• Initiation of prenatal care</li> <li>• Frequency of ongoing prenatal care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> </ul>
Reduce the percentage of nonmarital births to 21.8% of total live births	<ul style="list-style-type: none"> <li>• Check-ups after delivery</li> <li>• Children's access to primary care providers</li> <li>• Availability of mental health/chemical dependency providers</li> <li>• Adolescent well-care visit</li> <li>• Pediatric mental health network</li> <li>• Chemical dependency services</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> </ul>
Reduce coronary heart disease deaths to no more than 100 per 100,000 people (age-adjusted)	<ul style="list-style-type: none"> <li>• Advising smokers to quit</li> <li>• Beta blocker treatment after a heart attack</li> <li>• Flu shots for older adults</li> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (5)</li> </ul>
Reduce stroke deaths to no more than 20 per 100,000 people (age-adjusted)	<ul style="list-style-type: none"> <li>• Advising smokers to quit</li> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (5)</li> </ul>
Achieve a cancer death rate (age-adjusted) of no more than 130 per 100,000 people	<ul style="list-style-type: none"> <li>• Advising smokers to quit</li> <li>• Cervical cancer screening</li> <li>• Breast cancer screening</li> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (5)</li> </ul>
Reduce diabetes-related deaths to no more than 11 per 100,000 people (age-adjusted)	<ul style="list-style-type: none"> <li>• Advising smokers to quit</li> <li>• Cervical cancer screening</li> <li>• Breast cancer screening</li> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (5)</li> </ul>
Increase to at least 80% the proportion of women aged 40 and over who have ever received a clinical breast examination and a mammogram, and to at least 60% those aged 50 and older who have received them within the preceding one to two years	<ul style="list-style-type: none"> <li>• Breast cancer screening</li> <li>• Availability of obstetrical/prenatal care providers</li> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> </ul>

Virginia 2000 Objective	HEDIS 3.0 Measures	Reporting Set (Domain)
Increase the percent of all cancer that is diagnosed in the early stages to at least 57.1%	<ul style="list-style-type: none"> <li>• Cervical cancer screening</li> <li>• Breast cancer screening</li> <li>• Availability of obstetrical/prenatal care providers</li> <li>• Ambulatory care</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> </ul>
Increase the percent of breast cancer that is diagnosed in the early stages to at least 72.9%	<ul style="list-style-type: none"> <li>• Breast cancer screening</li> <li>• Availability of obstetrical/prenatal care providers</li> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (5)</li> </ul>
Increase the percent of cervical cancer that is diagnosed in the in situ stage to at least 84.5%	<ul style="list-style-type: none"> <li>• Cervical cancer screening</li> <li>• Availability of obstetrical/prenatal care providers</li> <li>• Ambulatory care</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> </ul>
Increase the percent of colorectal cancer that is diagnosed in the early stage to at least 40.6%	<ul style="list-style-type: none"> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (5)</li> </ul>
Increase to at least 75% the proportion of adults who have had their blood cholesterol checked within the preceding five years	<ul style="list-style-type: none"> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (5)</li> </ul>
Reduce cigarette smoking to a prevalence of no more than 15% among people aged 18 and older	<ul style="list-style-type: none"> <li>• Advising smokers to quit</li> <li>• Initiation of prenatal care</li> <li>• Availability of obstetrical/prenatal care providers</li> <li>• Adolescent well-care visit</li> <li>• Frequency of ongoing prenatal care</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li>   <li>• Reporting Set (5)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> </ul>

Virginia 2000 Objective	HEDIS 3.0 Measures	Reporting Set (Domain)
Increase to at least 40% the proportion of people aged 18 and older who engage regularly, preferably daily, in light to moderate physical activity for at least 30 minutes per session	<ul style="list-style-type: none"> <li>• The health of seniors</li> <li>• Adolescent well-care visit</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (5)</li> </ul>
Reduce overweight to a prevalence of no more than 20% among people aged 18 and older	<ul style="list-style-type: none"> <li>• The health of seniors</li> <li>• Adolescent well-care visit</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (5)</li> </ul>
Increase the basic immunization series among children aged two years to at least 90%	<ul style="list-style-type: none"> <li>• Childhood immunization status</li> <li>• Children's access to primary care providers</li> <li>• Well-child visits in the first 15 months of life</li> <li>• Ambulatory care</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (5)</li> </ul>
Confine the incidence of HIV infection to no more than 11.9 per 100,000 people	<ul style="list-style-type: none"> <li>• Children's access to primary care providers</li> <li>• Availability of obstetrical/prenatal care providers</li> <li>• Adolescent well-care visit</li> <li>• Pediatric mental health network</li> <li>• Chemical dependency services</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> </ul>
Reduce primary and secondary syphilis to an incidence of no more than 4 cases per 100,000 people	<ul style="list-style-type: none"> <li>• Children's access to primary care providers</li> <li>• Availability of obstetrical/prenatal care providers</li> <li>• Adolescent well-care visit</li> <li>• Pediatric mental health network</li> <li>• Chemical dependency services</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> </ul>

Virginia 2000 Objective	HEDIS 3.0 Measures	Reporting Set (Domain)
Reduce gonorrhea to an incidence of no more than 100 cases per 100,000 people	<ul style="list-style-type: none"> <li>• Children's access to primary care providers</li> <li>• Availability of obstetrical/prenatal care providers</li> <li>• Adolescent well-care visit</li> <li>• Pediatric mental health network</li> <li>• Chemical dependency services</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> </ul>
Reduce tuberculosis to an incidence of no more than 3.5 cases per 100,000 people	(see crosscutting measures)	(see crosscutting measures)
Increase levels of pneumococcal pneumonia and influenza immunization among noninstitutionalized high risk populations to at least 60%	<ul style="list-style-type: none"> <li>• The health of seniors</li> <li>• Flu shots for older adults</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> </ul>
Reduce the incidence of children ages nine years and younger with blood lead levels exceeding 15 $\mu$ g/dl to 13 per 100,000	<ul style="list-style-type: none"> <li>• Children's access to primary care providers</li> <li>• Well-child visits in the first 15 months of life</li> <li>• Well-child visits in the third, fourth, fifth and sixth year of life</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (5)</li> </ul>
Reduce deaths caused by unintentional injuries to no more than 29.3 per 100,000 people (age-adjusted)	<ul style="list-style-type: none"> <li>• Check-ups after delivery</li> <li>• Follow-up after hospitalization for mental illness</li> <li>• Children's access to primary care providers</li> <li>• Availability of mental health/chemical dependency providers</li> <li>• Well-child visits in the first 15 months of life</li> <li>• Well-child visits in the third, fourth, fifth and sixth year of life</li> <li>• Adolescent well-care visit</li> <li>• Chemical dependency utilization - inpatient discharges and average length of stay</li> <li>• Chemical dependency utilization - percentage of members receiving inpatient, day/night care and ambulatory services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> </ul>

Virginia 2000 Objective	HEDIS 3.0 Measures	Reporting Set (Domain)
	<ul style="list-style-type: none"> <li>• Readmission for chemical dependency</li> <li>• Pediatric mental health network</li> <li>• Chemical dependency services</li> <li>• Family planning services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> </ul>
<p>Reduce deaths caused by suicide to no more than 10.5 per 100,000 people (age-adjusted)</p>	<ul style="list-style-type: none"> <li>• Check-ups after delivery</li> <li>• Follow-up after hospitalization for mental illness</li> <li>• Children’s access to primary care providers</li> <li>• Availability of mental health/chemical dependency providers</li> <li>• Adolescent well-care visit</li> <li>• Mental health utilization - percentage of members receiving inpatient day/night and ambulatory services</li> <li>• Readmission for specified mental health disorders</li> <li>• Chemical dependency utilization - inpatient discharges and average length of stay</li> <li>• Chemical dependency utilization - percentage of members receiving inpatient, day/night care and ambulatory services</li> <li>• Mental health utilization - inpatient discharges and average length of stay</li> <li>• Readmission for chemical dependency</li> <li>• Pediatric mental health network</li> <li>• Chemical dependency services</li> </ul>	<ul style="list-style-type: none"> <li>• Reporting Set (1)</li> <li>• Reporting Set (1)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (2)</li> <li>• Reporting Set (5)</li> <li>• Reporting Set (8)</li> <li>• Reporting Set (8)</li> </ul>

## Testing Set Measures

### (1) Effectiveness of care

- Number of people in the plan who smoke
- Smokers who quit
- Flu shots for high-risk adults
- Cholesterol management of patients hospitalized after coronary heart disease
- Aspirin treatment after a heart attack
- Outpatient care of patients hospitalized for heart failure
- Controlling high blood pressure
- Prevention of stroke in people with atrial fibrillation
- Colorectal cancer screening
- Follow-up after an abnormal Pap smear
- Follow-up after an abnormal mammogram
- Stage at which breast cancer was detected
- Assessment of how breast cancer therapy affects the patient's ability to function
- Continuity of care for substance abuse patients
- Substance counseling for adolescents
- Availability of medication management and psychotherapy for patients with schizophrenia
- Patient satisfaction with mental health care
- Family visits for children 12 years of age or younger
- Failure of substance abuse treatment
- Screening for chemical dependency
- Appropriate use of psychotherapeutic medications
- Continuation of depression treatment
- Monitoring diabetes patients
- Chlamydia screening
- Prescription of antibiotics for the prevention of HIV-related pneumonia
- Use of appropriate medications for people with asthma

### (2) Accessibility and availability of care

- Problems with obtaining care

### (3) Satisfaction with the experience of care

- The Member Satisfaction Survey (numerous measures)
- Survey descriptive information

### (4) Use of services

- Use of behavioral services

### (5) Cost of care

- Health plan costs per member per month

### (6) Informed health care choices

- Counseling women about hormone replacement therapy