

Table 6B: Quality of Care Indicators

Purpose: Table 6B reports data on selected quality of care indicators that are seen as indicators of overall community health.

Changes to 2011 Report: Five new clinical measures: Weight Assessment and Counseling for Children and Adolescents; Adult Weight Screening and Follow-up; Tobacco Use Assessment, Tobacco Cessation Intervention; Asthma Pharmacological Therapy. Additionally, vaccines for children are updated to current standards.

How Data are Used:

- Compliance rates for clinical measures
- % of target population receiving routine and preventive service.

Table Tips

For information on Prenatal Care Indicators, see additional Prenatal guide.

SECTION C: CHILDHOOD IMMUNIZATIONS

- Column a includes all children who turned 2 in 2010; who had at least one medical visit in 2010; and were first ever seen prior to their 2nd birthday (could be an earlier year).
- Column c is the number of children in column b who, by their 2nd birthday are fully compliant, i.e., for each disease the patient (1) received vaccines, or (2) had evidence of the disease or (3) has a contraindication for the vaccine.
- A note that “patient is up-to-date” with immunizations that does not list the date and the name of each immunization provided does not constitute sufficient evidence of compliance for this measure.

SECTION D: PAP TESTS

- Col a includes all women aged 24 – 64; with at least one medical visit in a health center clinic in the reporting year; who was first seen before age 65.
- Col c includes the number of women in col b who received one or more documented Pap tests (regardless of where performed) during the measurement year or during the two years prior to the measurement year. Confirmation of date and test result are required in record to meet compliance.
- Exclusions: Women who have had hysterectomies.

SECTION E: WEIGHT ASSESSMENT AND COUNSELING FOR CHILDREN AND ADOLESCENTS

- Col a includes all children who were between 3 and 17 years of age during the measurement year; who had at least one medical visit during the measurement year in a setting which had equipment present to measure height and weight; and who were first seen ever prior to their 17th birthday.
- Col c includes the number of patients in column b who have a recorded BMI percentile *and* recorded counseling on nutrition *and* recorded counseling on physical activity.
- To be compliant: BMI Percentile must be noted in chart or EHR (not just BMI or height and weight) AND counseling on nutrition AND activity must be in charts or EHR (may be in narrative form or check box; must be specific; anticipatory guidance to parent is counted when documented in child’s record).

SECTION F: ADULT WEIGHT SCREENING AND FOLLOW-UP

- Column a includes all adults who were age 18 or older during the measurement year, who had at least one medical visit in a setting which had equipment present to measure weight and height, and were ever seen after their 18th birthday.

- Column c includes the number of patients in column b who have a recorded BMI *and* recorded follow-up plan if patient is overweight or underweight (during past 6 months or at current visit).
- To be compliant: BMI must be noted in chart or EHR AND (if patient is overweight or underweight) follow-up weight management plan is documented (successful completion is not required).

Exclusions: Pregnant women and terminally ill.

SECTION G1: TOBACCO USE ASSESSMENT

- Column a includes all adults who were age 18 or older during the measurement year, who had at least one medical visit during the measurement year, at least 2 medical visits ever, and who were ever seen after their 18th birthday.
- Column c includes the number of patients in column b for whom documentation demonstrated that patient was queried about tobacco use (any tobacco use, not just smoking).
- To be compliant: Tobacco use (not “smoking” is noted in chart or EHR). Documentation that provider or support staff asked patient if they used tobacco and the patient’s response. Can use CPT category II codes to record query and response.

SECTION G2: TOBACCO CESSATION INTERVENTION

- Column a includes all adults who were age 18 or older during the measurement year who were known tobacco (**not** limited to smoking) users , who had at least one medical visit during the measurement year, **at least 2 medical visits ever**, and who were ever seen after their 18th birthday.
- Column c includes the number of patients in column b for whom documentation demonstrates that tobacco cessation counseling *and/or* pharmacologic intervention occurred.
- To be compliant: Cessation counseling *and/or* pharmacologic intervention is noted in chart or EHR. Pharmacologic intervention means that a prescription was written or drug was dispensed.

SECTION H: ASTHMA PHARMACOLOGICAL THERAPY

- Col a includes all patients who were between 5 and 40 years of age during the measurement year, who were currently diagnosed with *persistent* asthma, who had at least one medical visit during the measurement year and at least 2 medical visits ever.
- Col c includes the number of patients in col b for whom documentation demonstrates that appropriate pharmacologic therapy was provided.
- To be compliant: Copy of prescription or note that the prescription for inhaled corticosteroids or acceptable alternation was given during the current year is included in the chart of EHR. Acceptable alternation pharmacologic therapy: Leukotrene modifiers, Cromolyn sodium, Nedocromil sodium, Sustained release methylxanthines.



Table 6B: Quality of Care Indicators

Strategies for Data Collection:

Below are CPT-II and ICD-9 codes to assist in reporting the new clinical measures.

- **Tobacco Use:** CPT-II Codes: 1000F = Patient was queried about use; 1034F = smoker; 1035F = smokeless tobacco user; 1036F = non-tobacco user; 4000F = Patient was counseled to quit tobacco use; 4001F = Pharmacologic therapy: Prescription was written or drug dispensed.
- **Weight Assessment and Counseling for Children and Adolescents:** ICD-9 Codes: V85.51 = BMI <5th Percentile; V85.52 = BMI 5th – 85th Per.; V85.53 = BMI 85th – 95th Per.; V85.54 = BMI >95th Per.; V65.3 = Dietary Surveillance/Counseling; V65.40 = Counseling unspecified; V65.41 = Exercise Counseling.
- **Adult Weight Screening and Follow Up:** ICD-9 Codes: V85.0 – V85.4 = BMI for adults; V65.3 = Dietary Surveillance/Counseling; V65.40 = Counseling unspecified; V65.41 = Exercise Counseling.

Table and Cross Table Considerations:

- Table 3A and 5 and 6B: Reporting of the universe of patients for childhood immunizations and pap tests must be reasonable given total patients by age on 3A (*Shown below*) and/or the percentage of patients who are medical patients on Table 5.

Why Are Process Measures Important?

If patients receive timely routine and preventive care, then we can expect improved health status.

- **Childhood immunizations:** Children who receive vaccinations are less likely to contract vaccine preventable diseases.
- **Pap tests:** Women who receive Pap tests are more likely to be treated earlier and less likely to suffer adverse outcomes from HPV and cervical cancer.
- **Child and Adolescent Weight Assessment and Counseling:** Children who receive weight assessment and counseling are more likely to achieve and maintain a healthy weight.
- **Adult Weight Assessment and Follow-up:** Adults who receive weight assessment and follow-ups are more likely to achieve and maintain a healthy weight.
- **Tobacco Use Assessment and Cessation Intervention:** Adults who receive smoking counseling are more likely to end tobacco use, therefore having a reduced risk of cancer, asthma, emphysema, and other tobacco related illnesses.
- **Asthma:** Patients with asthma who are treated with appropriate pharmacological intervention are less likely to have asthma attacks, will require fewer emergency room visits and be less likely to develop complications related to asthma, including death.

Section C - Childhood Immunization			
Childhood Immunization Rate	Total Number Patients with 2nd Birthday During Measurement Year (a)	Number Charts Sampled or EHR Total (b)	Number of Patients Immunized (c)
10. Number of children who have received required vaccines who had their 2nd birthday during measurement year (on or prior to December 31)	1,347	70	63

Pap Test	Total Number of Female Patients 24-64 Years of Age (a)	Charts Sampled or EHR Total (b)	Patients Tested (c)
11. Number of female patients aged 24-64 who had at least one PAP test performed during the measurement year or during one of the two previous years	20,326	70	36

Age Groups	Male Patients (a)	Female Patients (b)
1. Under Age 1	1,409	1,392
2. Age 1	808	818
3. Age 2	786	764

Age Groups	Male Patients (a)	Female Patients (b)
25. Age 24	391	873
26. Age 25-29	1,857	4,362
27. Age 30-34	1,647	3,719
28. Age 35-39	1,534	3,149
29. Age 40-44	1,653	2,845
30. Age 45-49	1,713	2,737
31. Age 50-54	1,705	2,582
32. Age 55-59	1,464	2,110
33. Age 60-64	1,000	1,604

Selected Calculations:

- Compliance Rate is calculated by dividing Table 6B column c by column b
 - Line 10, Childhood immunizations: $63/70 = 90\%$
 - Line 11, PAP test: $36/70 = 51\%$
- Estimated percentage of population receiving service is calculated by dividing Table 6B, column a by total patients on Table 3A in age group
 - Line 10, Childhood immunizations: $1,347/(786+764) = 87\%$ of 2 year olds in universe have been immunized
 - Line 11, PAP tests: $20,326/23,981$ (# of women aged 24-64 from table 3A) = 85% of women age 24-64 received test

