

Methods for Reporting Clinical Measures

Process for Reporting Clinical Measures:

STEP 1: Identify the patient population to be sampled or reported on (the universe).

- Include all active medical patients, sites in the scope of the project, and contracted medical services.
- Identify the number of patients who fit, or who initially appear to fit, the criteria for that measure. Create a list and number each member of the patient population in the universe.

STEP 2: Determine the sample size for manual chart review.

- This will either be 70 charts (for health centers who have a universe size of more than 70 patients) or all patients in the universe (for health centers who either have fewer than 70 patients and therefore must report on all patients, or health centers with greater than 70 patients and who choose to report on the universe of patients).

STEP 3: Select the Random Sample (if applicable).

See below for information on random sampling.

STEP 4: Review the sample of records to determine compliance with the clinical measure.

- For each measure, review available data sources to identify any automated sources to simplify data collection.
- Examples of data sources include: EHR, PEC's database, State immunization registries for vaccine histories, Logs, Practice management systems, etc.
- For each patient in the sample, determine whether sufficient information is available in available data source(s) to assess compliance. If information is not available, pull the paper record to retrieve required information.

STEP 5: Replace patients that should be excluded from the sample.

- If a patient is selected that should be excluded from the sample, the patient will be replaced with a substitute.
- Exclusions are as follows:
 - Childhood Immunizations – No exclusions
 - Pap Tests – Women who have had a hysterectomy
 - Weight Assessment and Counseling for Children and Adolescents – No exclusions
 - Adult Weight Screening and Follow-up – Pregnant women and frail individuals within 6 months of demise
 - Tobacco Use Assessment – No Exclusions
 - Tobacco Cessation Intervention – No Exclusions
 - Asthma Pharmacological Therapy – No Exclusions
 - Controlled Hypertension – No exclusions
 - Controlled Diabetes – Patients with a diagnosis of polycystic ovaries that do not have two face-to-face visits with the diagnosis of diabetes, in any setting, during the measurement year or year prior to the measurement year; gestational diabetes (ICD-9-CM Code 648.8); or steroid-induced diabetes (ICD-9-CM Code 962.0, 251.8) during the measurement year.

Reviewing the Charts:

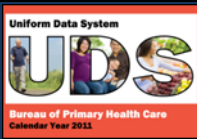
- Eventually, some or all charts in the universe will need to be reviewed.
 - With multiple locations:
 - All charts may be brought to a central point
 - Single reviewer may travel to each site
 - Multiple reviewers may review at each site
- Tools for assistance are available from the Helpline.

How do I replace a chart?

Create a second "set" of random numbers using same method with 5 records in the set

- Do NOT sort the sample!
- If a record in the sample of 70 patients needs to be excluded, replace that record with a record from the second set (sample of 5).





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Where do I have the option to report on the universe or a sample?

- Table 6B Childhood Immunization – Number of patients 2 years of age with up-to-date immunizations.
- Table 6B Pap Tests – Number of female patients aged 24 – 64 who have had a Pap test during the measurement year or during the previous two calendar years.
- Table 6B Child and Adolescent Weight Assessment and Counseling – Number of children between 2 and 17 with recorded BMI percentile and recorded counseling on nutrition and physical activity.
- Table 6B Adult Weight Assessment and Follow-up – Number of adults age 18 or older who have a recorded BMI and recorded follow-up plan if patient is overweight or underweight.
- Table 6B Tobacco Use – Number of adults age 18 or older who smoke.
- Table 6B Tobacco Cessation Intervention – Number of adults who smoke and received tobacco cessation counseling and/or pharmacologic intervention.
- Table 6B Asthma – percent of patients between 5 and 40 years of age who received appropriate pharmacologic therapy to treat their asthma.
- Table 7 Controlled Diabetes – Number of 18-75 years of age diabetic patients with HbA1c levels ≤ 9%.
- Table 7 Controlled Hypertension – Number of patients 18-85 years of age with hypertension whose latest blood pressure was less than 140/90.

Tables 6b and 7 prenatal indicators cannot be reported using a sample.

How is random sampling used in the UDS?

For each measure, health centers have the option to report on either their entire patient population (the universe) or on a sample of 70 patients. If the health center has less than 70 patients who meet the criteria, then they must report on the total number of patients included in the universe. For example, if the health center only has 25 patients with Diabetes, then the sample size will be 25. If a health center has more than 70 patients who meet the criteria, then they may choose whether to report the universe (all patients) or to report on a sample of **exactly 70** patients. For example, if the health center has 100 patients with Diabetes, they may either report on all 100 patients, or a random sample of 70 patients.

To report on the universe, the data source such as an EHR must include *all* medical patients in the defined universe. In addition, the data source must cover the period of time to be reviewed and include information to assess compliance with the clinical measure as well as to evaluate exclusions. There is no requirement that health centers report the universe. BPHC has no preference for reporting the universe or a sample.

How do I select a random sample?

- Prepare numbered list of all patients in universe. Use [Randomizer](#) web site to generate random numbers.
- Random Numbers correspond with the charts identified in the numbered list of patients.

Input	Initial Sample	Replacements
Set of Numbers	1	1
Number per set	70	5
Number range = 1-“n”	Last sequence number in list	Last sequence number in list
Unique numbers	Yes	Yes
Sort numbers	Yes, least to greatest	No

