

Table 7: Outcome and Disparity Measures

Purpose: Table 7 reports data on selected health outcome indicators by race and Hispanic/Latino ethnicity that are commonly seen as indicators of community health.

Changes to 2011 Report: In 2010 Patients with HbA1c between 7 and 9 were reported as one number. In 2011, there will be 2 categories:

- Greater or equal to 7% and less than 8%
- Greater or equal to 8% and less than or equal to 9%

Please note that the format for data entry has also changed.

Key Terms:

- **OUTCOME MEASURE:** Assesses whether program was successful in achieving desired results.

Why are Outcome Measures Important?

By improving these “intermediate outcome measures,” later negative health outcomes will be less likely.

- **Controlled Hypertension:** *If* there is less uncontrolled hypertension, *then* there will be less cardiovascular damage, fewer heart attacks and strokes, etc. later in life.
- **Controlled Diabetes:** *If* there is less uncontrolled diabetes *then* there will be fewer amputations, less blindness, etc., later in life.

How Data are Used:

To calculate:

- Disparities in health outcomes by race and ethnicity (national level)
- Prevalence rates for HTN and DM

Table Tips:

DISPARITIES

- Patients who report their race but do not indicate that they are Latino/Hispanic are assumed to be non-Hispanic and reported in the second section.
- Patients for whom *both* Hispanic ethnicity *and* race are not known are reported as unreported/Refused to Report in the third section (col h).
- Data source for reporting patients by race and ethnicity for Table 3B and 7 must be consistent for accurate reporting.

CONTROLLED HYPERTENSION

- On line 6, report the universe: all patients **aged 18 to 85**; with a history (i.e., diagnosis could be in prior years) of hypertension prior to 6/30/10; with at least 2 medical visits (for any reason) during reporting year.
- On line 7, report the universe or sample of 70 patients.
- On line 8, report the number of adult patients in Line 7 whose most recent blood pressure was less than 140/90.
- No documented blood pressure during the reporting year is considered out of compliance and reported on line 8.
- Pregnant patients and patients with ESRD are excluded.
- **NOTE:** For each column, line 6 must be \geq line 7 which must be \geq line 8.

CONTROLLED DIABETES

- On line 9, report the universe: all patients **aged 18 to 75**; with a history (i.e., diagnosis could be in prior years) of diabetes; with at least 2 medical visits (for any reason) during reporting year.
- On line 10, report the universe or sample of 70 patients.
- On lines 11 - 13, report the number of adult patients in Line 10 whose last HBA1c in the reporting year is in the given range: $<7\%$, $7\% \leq \text{HBA1c} \leq 9\%$, $>9\%$ or no test during year
- No documented HBA1c test during the reporting year is reported on line 13 as uncontrolled diabetes.
- Patients with a diagnosis of gestational diabetes or steroid-induced diabetes are excluded.
- **NOTE:** For each column Line 9 must be \geq Line 10 which must be = Line 11+12+ 13.



Table 7: Outcome and Disparity Measures

Cross Table Considerations:

- Tables 3A, 3B, 5, and 7: Reporting of the universe of patients for HTN and DM on Table 7 must be consistent with total patients by age on Table 3A, race and Latino ethnicity on Table 3B, and the percentage of patients who are medical patients on Table 5. (*Shown below*)

Selected Calculations:

- Compliance Rate is calculated by dividing Table 7, line 8 by line 7 (e.g., HTN for White/Non-Hispanic = $24/37 = 65\%$ patients with HTN controlled)
- Percent Medical patients with diagnosis is calculated by dividing total patients by diagnosis by total medical patients: Percent medical patients with HTN = 8,651 (Table 7, line 6, col i) / 67,919 (Table 5, line 15, col c) = 13%

Table 7: Health Outcomes and Disparities

	Asian (a)	Native Hawaiian (b1)	Pacific Islander (b2)	Black/African American (c)	American Indian/Alaska Native (d)	White (e)	More than one race (f)	Race Unreported/Refused to Report (g)	
Section B: Hypertension by Race and Hispanic/Latino Identity									
Patients 17 to 85 diagnosed with hypertension whose last blood pressure was less than 140/90									
Hispanic/Latino									
6. Total hypertensive patients	2	1	-	9	-	15	3	3,397	
7. Charts sampled or EHR total	-	-	-	-	-	1	-	26	
8. Patients with HTN controlled	-	-	-	-	-	1	-	18	
Section B: Hypertension by Race and Hispanic/Latino Identity									
Patients 17 to 85 diagnosed with hypertension whose last blood pressure was less than 140/90									
Non-Hispanic/Latino									
6. Total hypertensive patients	61	9	137	176	16	4,494	11	85	
7. Charts sampled or EHR total	1	-	1	2	-	37	-	2	
8. Patients with HTN controlled	-	-	1	1	-	24	-	1	
Unreported/Refused to Report Race and Identity (h)									
6. Total hypertensive patients							235		8,651
7. Charts sampled or EHR total									70
8. Patients with HTN controlled									46

Table 5: Staffing and Utilization - Universal

PERSONNEL BY MAJOR SERVICE CATEGORY	FTE's (a)	CLINIC VISITS (b)	PATIENTS (c)
15. Total Medical Care Services (Sum lines 8+10a through 14)	172.35	250,064	67,919

% Patients that are medical = Medical patients/total patients:

Total medical patients = Table 5, line 15 col c = 67,919
 Total patients = Table 4, line 6 = 74,285
 $67,919/74,285 \rightarrow 91\%$ of Patients are medical patients

Table 3B: Patients By Hispanic or Latino Identity / Race / Language - Universal

Patients by Race	Patients by Hispanic or Latino Identity		
	Hispanic/Latino (a)	Non Hispanic/Latino (b)	Unreported/Refused to Report (c)
Number of Patients			
1. Asian	10	586	
2a. Native Hawaiian	11	81	
2b. Other Pacific Islander	11	615	
2. Total Hawaiian/Pacific Islander (Sum lines 2a+2b)	22	696	
3. Black/African American	132	1,076	
4. American Indian/Alaska native	12	376	
5. White	337	27,364	

Percent of patients who are White/Non-Hispanic:

Table 3B, line 5, column b = 27,364
 Total patients = Table 4, line 6 = 74,285
 $27,364/74,285 \rightarrow 37\%$ percent of patients are White/Non-Hispanic

Selected Calculations: Comparison of patients in universe on Table 7 with estimated total patients who meet reporting criteria:

- Total White/Non-Hispanic patients with HTN aged 18-85 with two or more medical visits = 4,494 (universe on Table 7 Line 6 col c)
 - Can't exceed total patients 18-84 on Table 3A = 31,900 (Lines 19-37, column a + column b) *Not shown*
 - Can't exceed totals medical patients on Table 5 = 67,919
 - Can't exceed total White/Non-Hispanic patients on Table 3B = 27,364
- Assuming an equal distribution of medical patients by race and ethnicity and age
 - Estimated maximum number of patients in universe for White/Non-Hispanic HTN patients = Total patients ages 18-84 (31,900) x .91 (% of patients that are medical) x .37 (% of patients who are White/Not Hispanic) = 10,741
- CHECK: Estimated maximum number of patients meeting criteria (10,741) does not exceed universe of patients on Table 7 (4,494)

