

Exploring Practice-Level Analytic Solutions for Population Health Management

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CDC CHIIC Forum

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Million Hearts®

**Goal: Prevent one million heart attacks
and strokes by 2017**

- US Department of Health and Human Services initiative, co-led by:
 - Centers for Disease Control and Prevention (CDC)
 - Centers for Medicare & Medicaid Services (CMS)
- Partners across federal and state agencies and private organizations



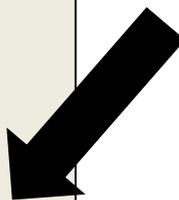
Key Components of Million Hearts®

Keeping Us Healthy
Changing the environment

**Health
Disparities**

Excelling in the ABCS
Optimizing care

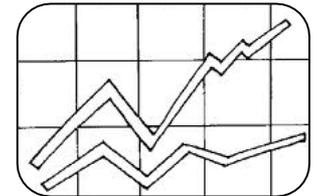
- A**spirin when appropriate
- B**lood pressure control
- C**holesterol management
- S**moking cessation



Focus on
the **ABCS**

Health
information
technology

Innovations in
care delivery

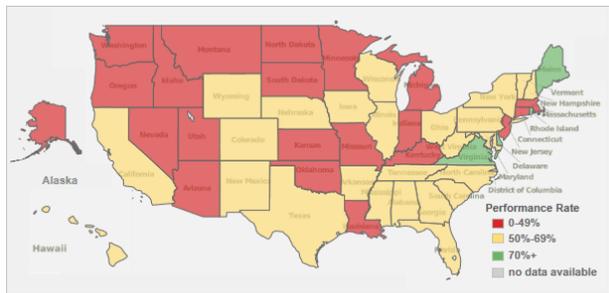


Million Hearts® Measure Alignment

Quality Measures Reporting Initiative	Aspirin When Appropriate	Blood Pressure Screening & Follow Up	Blood Pressure Control	Cholesterol Management	Cholesterol Management – Diabetes	Cholesterol Management – IVD	Smoking Assessment & Treatment
CMS Physician Quality Reporting System (PQRS)	Yes	+	Yes	+	Yes	+	Yes
CMS EHR Incentive Programs for Eligible Professionals	Yes	+	Yes	+	+	Yes	Yes
National Quality Forum (NQF)	Yes	n/a	Yes	n/a	Yes	Yes	Yes
AHA/ADA/ACS The Guideline Advantage	+	+	+	+	+	+	+
CMS PQRS Cardiovascular Prevention Measures Group	+	+	+	n/a	+	+	+
CMS PQRS Group Practice Reporting Option (GPRO)	+	+	+	n/a	+*	+	+
CMS Accountable Care Organizations	+	+	+	n/a	+*	+	+
NCQA Healthcare Effectiveness Data and Information Set (HEDIS)	n/a	n/a	Yes	n/a	Yes	Yes	Yes
CMMI Comprehensive Primary Care	n/a	n/a	+	n/a	+	+	+
HRSA Uniform Data System**	+	n/a	Yes	n/a	n/a	n/a	+
CMS Medicaid Adult Core Set	n/a	n/a	Yes	n/a	n/a	n/a	n/a
ACC PINNACLE registry	n/a	n/a	n/a	n/a	n/a	n/a	Yes
IHS Resource and Patient Management System	n/a	n/a	+	n/a	n/a	n/a	n/a

Data System: HRSA UDS | Year: 2011 | State: Alabama

Million Hearts® Clinical Quality Measure Rates to Clinical Target by State, as Reported by HRSA Health Care Sites



The map indicates the progress of clinical quality r performance rate to Million Hearts® clinical target (state in each of the data systems. Choose a clinic; measure in the dropdown to view performance.

Clinical Quality Measure
Smoking Assessment and Treatment

Available Data Systems

HRSA UDS - Health Resources and Services Adm Uniform Data System

Million Hearts® Clinical Quality Measures for Selected State, Corresponding HHS Region, and National Values, as Reported by HRSA Health Care Sites

ABCs Million Hearts® Clinical Quality Measures	Alabama		HHS Region 4 - Atlanta		National	
	%	target	%	target	%	target
A. Aspirin Use	n/a	●	n/a	●	n/a	●
B. Blood Pressure Control	60%	●	59%	●	63%	●
Blood Pressure Screening	n/a	●	n/a	●	n/a	●
C. Cholesterol Management - Population	n/a	●	n/a	●	n/a	●
Cholesterol Management - Diabetes	n/a	●	n/a	●	n/a	●
Cholesterol Management - IVD	n/a	●	n/a	●	n/a	●

Compare Million Hearts®clinical quality measures i state, HHS regions, and national

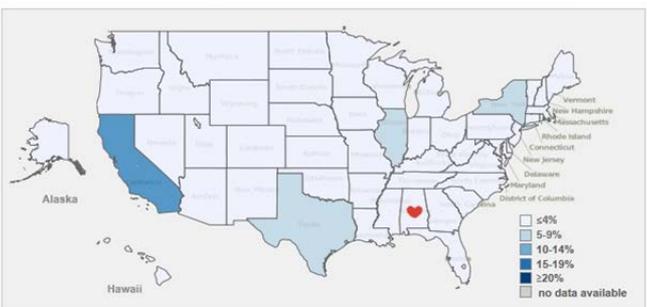
ABCs Aspirin when appropriate, Blood pressure control, Cholesterol management, and Smoking Assesme Treatment

Clinical Quality Measure Performance (%) Progress toward Million Hearts® Clinical Target (ta No available data (n/a))

Performance Targets Million Hearts® Clinical Target = 70% Red = 0%-49% Yellow = 50%-69% Green = 70%+ Grey = no data available

Data System: HRSA UDS | Year: 2013 | Selected State: Alabama

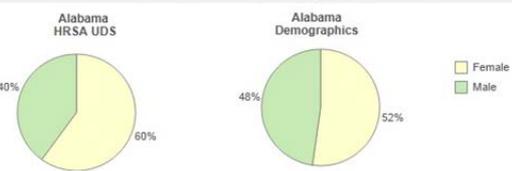
State Proportion of Patients Among All Adults that Received Care in HRSA Health Care Sites



Alabama HRSA UDS Patient Population Characteristics by Demographic Indicators Compared to State Data from U.S. Census

	HRSA UDS	Total Adult
Adult Population	245,026 (6.7%)	3,726,638

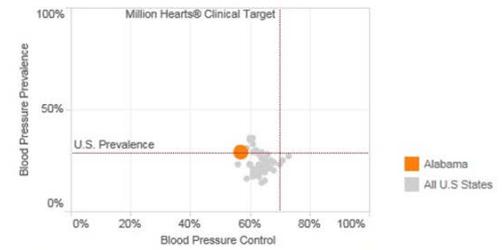
Percent of Adult Population by Gender in Alabama



Data System: HRSA UDS | Year: 2013 | State: Alabama

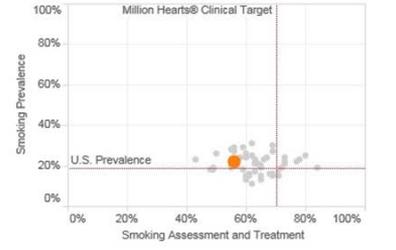
Blood Pressure Control Performance vs. Blood Pressure Prevalence by Selected State

These data show the HRSA UDS blood pressure control rate (x-axis) and blood pressure prevalence (y-axis) by state. States will cluster around 29% blood pressure prevalence (national U.S. prevalence as reported by the National Health and Nutrition Examination Survey (NHANES)) and be at or above the 70% Million Hearts® clinical target.



Smoking Assessment and Treatment Performance vs. Smoking Prevalence by Selected State

These data show the HRSA UDS smoking assessment and treatment rate (x-axis) and smoking prevalence (y-axis) by state. States will cluster around 19% smoking prevalence (national U.S. prevalence as reported by [National Health Interview Survey (NHIS)]) and be at or above the 70% Million Hearts® clinical target.



States Comparisons in the HRSA UDS by Selected Performance Measure

Choose a clinical quality performance measure from dropdown below to view rank-ordered state performance and national performance rates

Clinical Quality Measure
Blood Pressure Control

2013 Rate	State	Adult HRSA UDS Population	% Over Time
73%	Maine	142,584	Progressing
71%	Vermont	104,783	Progressing
70%	Pennsylvania	475,183	Progressing
68%	Connecticut	222,357	Progressing
	New Hampshire	54,139	Progressing
	New York	1,155,771	Progressing

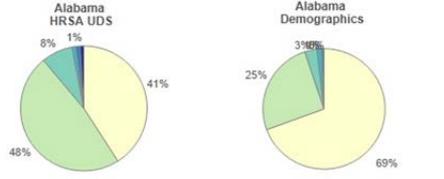
Longitudinal National Performance Rate in HRSA UDS for Blood Pressure Control



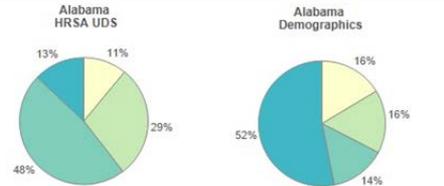
Percent of Adult Population by Age in Alabama



Percent of Adult Population by Race in Alabama



Percent of Adult Population by Insurance in Alabama



Clinical Quality Measures Dashboard -
<http://millionhearts.hhs.gov/data-reports/cqm.html>

Encourage Adoption

Promote Reporting

Improve Performance

Million Hearts

Clinical quality measures alignment

Clinical quality measures dashboard

1M Events Prevented

Public Health

Parsimonious public health indicators

Epidemiological reports, burden documents

Data-driven public health initiatives

Clinical Medicine

Focused clinical quality improvement

Clinician dashboards / report cards

Improved quality of care delivered

Population Health Management (PHM)

- PHM is epidemiology in clinical settings
- EHRs = big data = public health opportunity
- Huge access issues
- \$\$\$ EHR vendor solutions

→ Exploring PHM software solutions

- Clinical medicine
- Public health



Questions?

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TECHNOLOGY

Everyone Is Here To Save You, But Unfortunately
... You're Not In The Computer

