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Military Health System Population Health Portal



# MHSPHP Metrics Forum

Diabetes

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- Methodology of the HEDIS<sup>®</sup> metrics
- What is the future of LDL metrics?
- How does the action list differ from the metrics
- FAQs

### IN THE LAST 12 MONTHS:

- The percentage of diabetics who had an A1C screening
- The percentage of diabetics who had an LDL screening
- The percentage of diabetics who had an LDL <100
- The percentage of diabetics who had an A1C>9 or null\*
  - \* we invert this to % of diabetics with A1C<=9 so all metrics higher is better
- The percentage of diabetics who had an A1C<8
- The percentage of selected diabetics who had an A1C<7\*\*
  - \*\* has a different denominator than other diabetic metrics



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# LDL metrics to retire in 2015

- Clinical recommendations are to no longer set LDL goals
- Instead patients are treated based on risk
- Recommends diabetics age 40-75 should be on statins
- Goals based on risk:
  - High intensity statin therapy
  - Moderate intensity statin therapy

**Circulation**

Journal of the American Heart Association



**2013 ACC/AHA Guideline on the Treatment of Blood Cholesterol to Reduce Atherosclerotic Cardiovascular Risk in Adults: A Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines**

Neil J. Stone, Jennifer Robinson, Alice H. Lichtenstein, C. Noel Bairey Merz, Conrad B. Blum, Robert H. Eckel, Anne C. Goldberg, David Gordon, Daniel Levy, Donald M. Lloyd-Jones, Patrick McBride, J. Sanford Schwartz, Susan T. Shero, Sidney C. Smith, Jr, Karol Watson and Peter W.F. Wilson

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The online version of this article, along with updated information and services, is located on the World Wide Web at:

<http://circ.ahajournals.org/content/early/2013/11/11/01.cir.0000437738.63853.7a.citation>

Data Supplement (unedited) at:

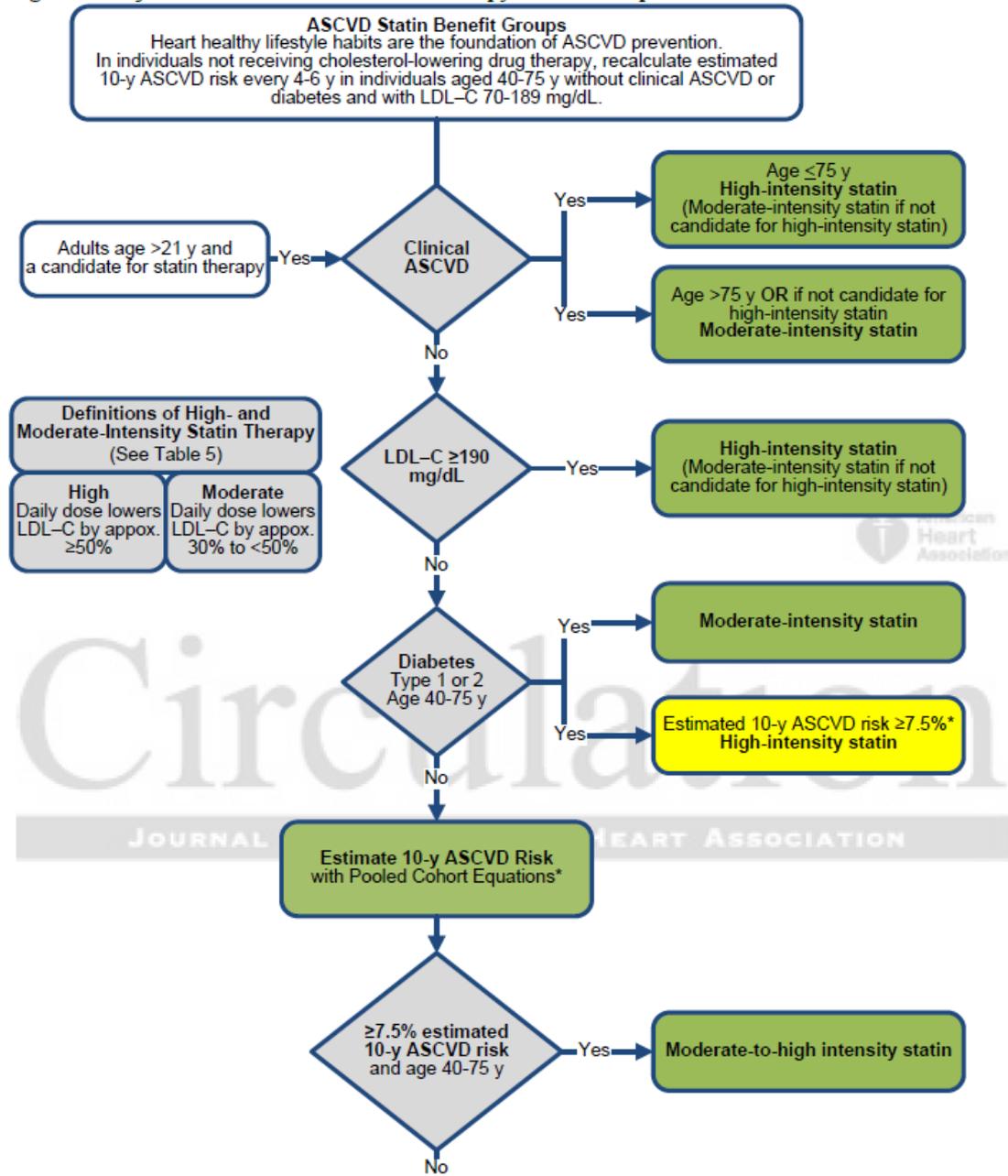
<http://circ.ahajournals.org/content/suppl/2013/11/07/01.cir.0000437738.63853.7a.DC1.html>

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**Figure 2. Major recommendations for statin therapy for ASCVD prevention**





- 18-75 years old
- Continuously enrolled in PRIME for 11 of last 12 months
- Met at least one of following criteria in last 2 years:
  - 2 outpt or non-acute inpt visits with a diabetes diagnosis\*
  - 1 ER visit with a diabetes diagnosis\*
  - 1 Acute hospitalization with a diabetes diagnosis\*
  - Pt was dispensed insulin or oral hypoglycemic or antihyperglycemic medication
- \*Diagnosis can be any of the listed diagnoses; does not have to be primary diagnosis
- A1C <7 metric excludes pts with comorbidities

- ICD9 Codes to identify Diabetes

## ICD-9-CM Diagnosis

250, 357.2, 362.0, 366.41, 648.0

- Data includes:
  - 8 diagnoses in direct care inpt record
  - 10 diagnoses in direct care outpt encounter
  - 9 diagnoses purchased care inpt claim
  - 5 diagnoses purchased care outpt claim



# Denominator Exclusions

- If the patient only meets the diabetes medication criteria they will not be included on the HEDIS<sup>®</sup> measure or patient lists if they also have one of the following diagnoses in the last 2 yrs:
  - Gestational diabetes, polycystic ovaries, Steroid induced diabetes, pre-diabetes, metabolic syndrome
  - Must also NOT have a face-to-face encounter with a diabetes diagnosis (inpt, outpt or ER) to be excluded
  - A single diabetes diagnosis will put the pt on the list even if they have an exclusion diagnosis during the measurement window

- Most common reason a gestational diabetic gets on the list/metric is a miscoded encounter for pregnancy complicated by diabetes (648.0x)
- Correct Gestational diabetes ICD9 code =648.8x



- A1C Screening
- LDL screening
- A1C  $\leq 9$
- A1C  $< 8$
- A1C  $< 7$
- LDL  $< 100$
- Completed test date in last 12 months
- A1C has a result and it is  $\leq 9$
- A1C has a result and it is  $< 8$
- A1C has a result and it is  $< 7$
- LDL has a result and it is  $< 100$

- HEDIS<sup>®</sup> denominator for HgA1c <7 differs from other diabetic metrics by excluding pts with history of (Comorbidity = “Yes”):
  - Age over 65
  - Coronary artery bypass graft (CABG) or percutaneous transluminal coronary angioplasty (PTCA) in last 24 months
  - Ischemic vascular disease or thoracic aortic aneurysm encounter in both last 12 months AND preceding 12-24 months
  - Any history of:
    - Congestive Heart Failure
    - Myocardial infarction (MI)
    - Chronic Renal Failure/End Stage Renal Disease (CRF/ESRD)
    - Dementia
    - Blindness
    - Amputation – lower extremity

## Action List

- Met one of the diabetes criteria in the last 2 yrs
- Does not meet HEDIS® exclusion criteria
- No age restrictions
- Prime and Plus

## HEDIS®

- Met one of the diabetes criteria in the last 2 yrs
- Does not meet HEDIS® exclusion criteria
- 18-75
- Prime only



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# Diabetes Microalbumin Prevalence report

- Not displayed on Diabetes Action list because more than one test per pt means duplicate patients on list
- Every diabetic is on list
- If no test date, then pt is overdue



- Patients fall off the list when their diagnoses are over 24 months old and the patient no longer meets the criteria
- If you fix the ICD9 code for an encounter in CHCS or inpatient data, the encounter will eventually be updated in our data. The pt will fall off the list when he/she no longer meets the criteria.

# FAQ: Why is this patient on the Diabetes list?

- No evidence in AHLTA of diabetes
  - Pt had to meet criteria to be on list
  - Treated Elsewhere?
  - Miscoded?
    - Most common miscoding is Gestational diabetes
    - Correct Gestation Diabetes Code is
      - 648.8\_ “Altered Glucose in Pregnancy= Gestational DM
    - Wrong code
      - 648.0\_ “Pregnancy complicated by diabetes”= pregnant diabetic
  - Find reason, don’t assume miscoded
- Look in the patient details

# Open Patient Detail View

- Open any patient list
- Right click on patient row to Open Patient View

Pending	Note	Status	ACG RUB	ACG IBI	ACG Date
			<input type="text"/>	<input type="text"/>	<input type="text"/>
			Moderate	1.56	09/14/2014
			Moderate	1.56	09/14/2014
			Moderate	1.56	09/14/2014
			Moderate	1.26	09/14/2014
			High		
			No Data		
			High		
			Very High		
			Moderate		
			No Data		

Open Patient View

---

Add / View Exclusions

Add Test / Screening

Add / View Notes

---

View Locally Entered Patient Data Summary



# Click on Diabetes to see details

Quick View   Extended View   Chart View

Patient Lists	
Patient Lists	<a href="#">Asthma</a>
	<a href="#">Colon Cancer Screening</a>
	<a href="#">Cervical Cancer Screening</a>
	<a href="#">Breast Cancer Screening</a>
	<a href="#">Hypertension</a>
	<a href="#">Microalbumin</a>
	<a href="#">Diabetes</a>
	<a href="#">Health Services</a>

Labs	
<a href="#">A1C</a>	08/28/2014 - 10.10
<a href="#">LDL</a>	05/30/2014 - 37.00
<a href="#">HDL</a>	05/30/2014 - 71.00
<a href="#">Total Chol</a>	05/30/2014 - 132.00
Trigly	05/30/2014 - 121.00
Pap/Hpv	02/13/2014
<a href="#">Chol/HDL Ratio</a>	1.86

Encounters			
Date	Location	Specialty	Diagnosis/Reason
<a href="#">12/09/2014</a>	59 MDW-WHASC-JBSA-LACKLAND--OP MTF	DIABETIC CLINIC--SALAZAR ESTELLA	3MO F/U NP
<a href="#">09/11/2014</a>	59 MDW-WHASC-JBSA-LACKLAND--OP MTF	DIABETIC CLINIC--SALAZAR ESTELLA	DB ML WO Cmplctn,TPII/US,NS UC
<a href="#">06/24/2014</a>	59th MED WING-LACKLAND--OP MTF	OPHTHALMOLOGY CLINIC--DRAYNA PAUL M	DIABETES MELLITUS WO COMPL, TYPE II (NIDDM) (ADULT),UNSPEC
<a href="#">06/11/2014</a>	59th MED WING-LACKLAND--OP MTF	DIABETIC CLINIC--TRUE MARK W	DIABETES MELLITUS WO COMPL, TYPE II (NIDDM) (ADULT),UNSPEC
<a href="#">03/30/2014</a>	EMERGENCY ROOM-HOSPITAL--OP NET	RADIOLOGY--WALKER JEFFREY ALLEN	COUGH
<a href="#">03/07/2014</a>	59th MED WING-LACKLAND--OP MTF	DIABETIC CLINIC--SALAZAR ESTELLA	DIABETES MELLITUS WO COMPL, TYPE II (NIDDM) (ADULT),UNSPEC
<a href="#">03/07/2014</a>	BAMC-SAMMC JBSA FSH--OP MTF	GASTROENTEROLOGY CLINIC--CEREMUGA JULIA	OTHER CHRONIC NONALCOHOLIC LIVER DISEASE
<a href="#">02/27/2014</a>	OFFICE--OP NET	PHYSICAL THERAPIST --MENCHACA ELIZABETH ANNE	PAIN IN JOINT INVOLVING SHOULDER REGION

Vitals	
Last 3 BP Readings	08/12/2014 - 120/80
	03/07/2014 - 129/85
	02/12/2014 - 132/82

Locally Entered Data
<a href="#">Add/View Exclusion</a>   <a href="#">Add Test/Screening</a>   <a href="#">Add/View Notes</a>
No Data Available



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# Why is this Patient Diabetic?

- Bottom of pop-up displays most recent events that met diabetic criteria

- Patient visits
- Medications

### Patient Visits

Date	Description	Clinic Description	Facility	Facility Name	DX
06/11/2014	DIRECT	Diabetic Clinic	0117	59th MED WING-LACKLAND	250.00
03/07/2014	DIRECT	Diabetic Clinic	0117	59th MED WING-LACKLAND	250.00

### Medications

Date	Drug Name
05/29/2014	ACTOS
05/29/2014	JANUVIA
05/29/2014	LANTUS SOLOSTAR
05/29/2014	NOVOLOG FLEXPEN
02/26/2014	ACTOS
02/26/2014	JANUVIA
02/26/2014	LANTUS SOLOSTAR
02/26/2014	NOVOLOG FLEXPEN
12/06/2013	ACTOS
12/06/2013	JANUVIA
12/06/2013	LANTUS SOLOSTAR
12/06/2013	NOVOLOG FLEXPEN

### Diabetes

#### Patient Data

Outpatient Visit :	12
Hospitalizations :	
ER Visit :	
RX Count :	37
Insulin :	Yes
HBA1 Date :	08/28/2014
HBA1 :	10.10
HBA1 System :	ICDB
HBA1 Source :	COHORT DIRLAB
RET Date :	06/24/2014
RET System :	
RET Source :	
LDL Date :	05/30/2014
LDL :	37.00
LDL System :	Direct
LDL Source :	CHCS
CHOL Date :	05/30/2014
CHOL :	132.00
CHOL System :	DIRECT
CHOL Source :	CHCS
HDL Date :	05/30/2014
HDL :	71.00
HDL System :	DIRECT
HDL Source :	CHCS
Trigly Date :	05/30/2014
Trigly Result :	121.00
Trigly System :	DIRECT
Trigly Source :	CHCS
CHOLHDL :	1.86
Comorbid :	No
Comorbid Date :	
A1C Exam Due :	Current
LDL Exam Due :	Current
Exam Due :	Current
Note :	

*Demo data displayed, no real patient information displayed*



FAQ: Can I exclude a patient who uses civilian endocrinologist to manage diabetes?

- No. You can only enter an exclusion for patients for Other Health Insurance if they have another PCM and do not use the MTF for care (except ancillary services like pharmacy and lab)
- As PCM you should know if pt is in control and get copies of the results and SCAN them into AHLTA
- Enter the results into the TSWF MHSPHP AIM form



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# Most Successful Diabetes Metrics

FACILITY	Total Enrolled	A1C Screening	A1C Screening Valid	A1C Screening Score
18th MED GRP-KADENA AB ( 0804 )	15,051	47	47	100.0%
LLOYD C. HAWKS TMC ( 7443 )	12,443	43	43	100.0%
NBHC NAS JACKSONVILLE ( 0266 )	4,174	30	30	100.0%
NBHC NAVSTA SAN DIEGO ( 0701 )	4,808	30	30	100.0%
NH GUAM-AGANA ( 0620 )	4,354	32	32	100.0%
NBHC CHESAPEAKE ( 0519 )	2,992	74	73	98.65%
AHC MCAFEE-WHITE SANDS MSL RAN ( 0327 )	1,999	72	71	98.61%
WEED ACH-FT. IRWIN ( 0131 )	7,436	143	140	97.90%
BRIAN ALLGOOD ACH-SEOUL ( 0612 )	4,630	45	44	97.78%
NH YOKOSUKA ( 0622 )	8,193	41	40	97.56%
CTMC-FT. BENNING ( 1315 )	5,744	36	35	97.22%
28th MED GRP-ELLSWORTH ( 0106 )	10,616	273	265	97.07%
COPPERAS COVE MED HOME-HOOD ( 6113 )	7,938	291	282	96.91%
SD E COUNTY PRIMARY CARE CLIN ( 0409 )	3,134	221	214	96.83%
USAHC CAMP HUMPHREYS ( 8903 )	7,169	31	30	96.77%
14th MED GRP-COLUMBUS ( 0074 )	3,792	173	167	96.53%
23rd MED GRP-MOODY ( 0050 )	10,135	209	201	96.17%
NBHC NTC SAN DIEGO ( 0407 )	11,326	487	467	95.89%
NAVAL HEALTH CLINIC CHARLESTON ( 0103 )	16,031	459	438	95.42%
359th MED GRP-RANDOLPH ( 0366 )	23,512	1,103	1,051	95.29%
20th MED GRP-SHAW ( 0101 )	13,279	381	363	95.28%

FACILITY	Total Enrolled	A1C <8 Eligible	A1C <8 Control Valid	A1C <8 Control Score
NBHC NAS JACKSONVILLE ( 0266 )	4,174	30	26	86.67%
NH YOKOSUKA ( 0622 )	8,193	41	34	82.93%
BRIAN ALLGOOD ACH-SEOUL ( 0612 )	4,630	45	37	82.22%
15th MED GRP-HICKAM ( 0287 )	14,598	147	120	81.63%
28th MED GRP-ELLSWORTH ( 0106 )	10,616	273	221	80.95%
359th MED GRP-RANDOLPH ( 0366 )	23,512	1,103	891	80.78%
NBHC MERIDIAN ( 0317 )	2,186	56	45	80.36%
NBHC NAVSTA SAN DIEGO ( 0701 )	4,808	30	24	80.00%
45th MED GRP-PATRICK ( 0046 )	14,005	684	542	79.24%
14th MED GRP-COLUMBUS ( 0074 )	3,792	173	137	79.19%
97th MED GRP-ALTUS ( 0097 )	4,144	113	89	78.76%
KIRK AHC-ABERDEEN PRVNG GD ( 0308 )	6,975	463	364	78.62%
TRICARE OUTPATIENT-CLAIREMONT ( 6207 )	9,648	460	360	78.26%
IRWIN ACH-FT. RILEY ( 0057 )	8,912	374	292	78.07%
L. WOOD ACH-FT. LEONARD WOOD ( 0075 )	17,654	489	381	77.91%
CTMC-FT. BENNING ( 1315 )	5,744	36	28	77.78%
NH OKINAWA ( 0621 )	11,171	36	28	77.78%
23rd MED GRP-MOODY ( 0050 )	10,135	209	162	77.51%
NBHC NTC SAN DIEGO ( 0407 )	11,326	487	376	77.21%
86th MEDICAL GROUP-RAMSTEIN ( 0806 )	19,227	70	54	77.14%
TRICARE OUTPATIENT-OCEANSIDE ( 6216 )	4,437	147	113	76.87%



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# Questions?