

Using Information Systems and Technology to Enhance Diabetes Care

National Center for Health in Public Housing Learning Collaborative

February 2019

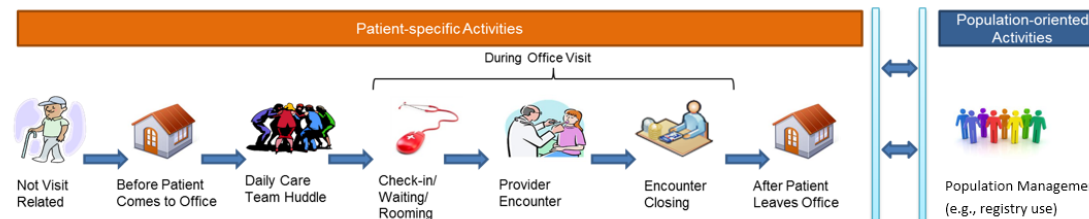
Diabetes and Clinical Decision Support

[eCQI Worksheet \(Ambulatory, Essential Version\)](#)

What Are We Trying To Improve? How Are We Doing Today?

+	Target	
	Current Performance on Target	

Performance Drivers for this Target:



rdc English (United States)

- What is your HC currently doing?
- What should it be doing?
- What changes can be made to produce better processes and results

Diabetes Registry

diabetesregistry.xls

Diabetes Tracking Worksheet

NOTE: DO NOT COPY AND PASTE DATA FROM CELL TO CELL AS THIS MAY UNDO IMPORTANT FORMATTING.

KEY: A1c = hemoglobin A1c; DFE = diluted fasting glucose screen; BMP = basic metabolic panel; BP = blood pressure

Patient name	Sex	Date of birth	ID number	Provider	A1c	Date of last A1c	Date of last DFE	Date of last test screen	Date of last BMP	LDL	Date of last lipids test	Systolic BP	Diastolic BP	Date of last BP	Comorbidities
Adams, Jane	F	03/14/58	111-11-1111	Chr	5.5	1-Mar-05	1-Jun-05	1-Mar-05	1-Mar-05	75	22-Nov-05	140	90	22-Nov-05	HTN, obesity
Baker, John	M	10/05/70	222-22-2222	Chr	5.7	24-Feb-06	12-Dec-05	24-Feb-06	24-Feb-06	90	24-Feb-06	110	75	12-Dec-05	
Brown, Jane	F	03/22/63	333-33-3333	Chr	5.3	23-Jan-05	24-Jul-05	23-Jan-05	23-Jan-05	100	23-Jan-05	105	85	23-Jan-05	HTN, Rheumatoid, GUD
Carter, John	M	07/05/73	444-44-4444	Chr	6.3	15-Feb-06	20-Mar-05	15-Feb-06	12-Sep-05	94	12-Sep-05	115	75	15-Feb-06	
Dee, Jane	F	06/05/68	555-55-5555	Chr	6.3	24-Dec-05	21-Jul-05	24-Dec-05	24-Dec-05	99	24-Dec-05	120	90	24-Dec-05	
Douglas, John	M	07/01/48	666-66-6666	Chr	6.3	12-Mar-05	17-Feb-05	9-Jan-05	9-Jan-05	87	9-Jan-05	130	80	9-Jan-05	HTN
Jones, Jane	F	10/01/42	777-77-7777	Chr	6.2	19-Dec-05	16-May-05	19-Dec-05	19-Dec-05	99	19-Dec-05	128	77	19-Dec-05	
Love, John	M	01/01/64	888-88-8888	Chr	6.4	31-Jan-05	31-Jan-05	31-Jan-05	31-Jan-05	87	31-Jan-05	115	90	31-Jan-05	
Smith, Jane	F	07/01/58	999-99-9999	Chr	6	17-Dec-05	17-Dec-05	17-Dec-05	17-Dec-05	100	17-Dec-05	130	80	17-Dec-05	
White, John	M	02/28/53	000-00-0000	Chr	7	29-Dec-05	18-May-05	29-Dec-05	29-Dec-05	78	29-Dec-05	120	75	29-Dec-05	

Run reports of patients who have not been screened/counseled regarding BMI and whose HbA1c is not controlled. Conduct outreach per pre-defined protocol to close these gaps

Information Systems to Enhance Diabetes Care Delivery

Ensure that diabetes-related information is accurately captured and documented and that health IT helps make the right action an easy one.

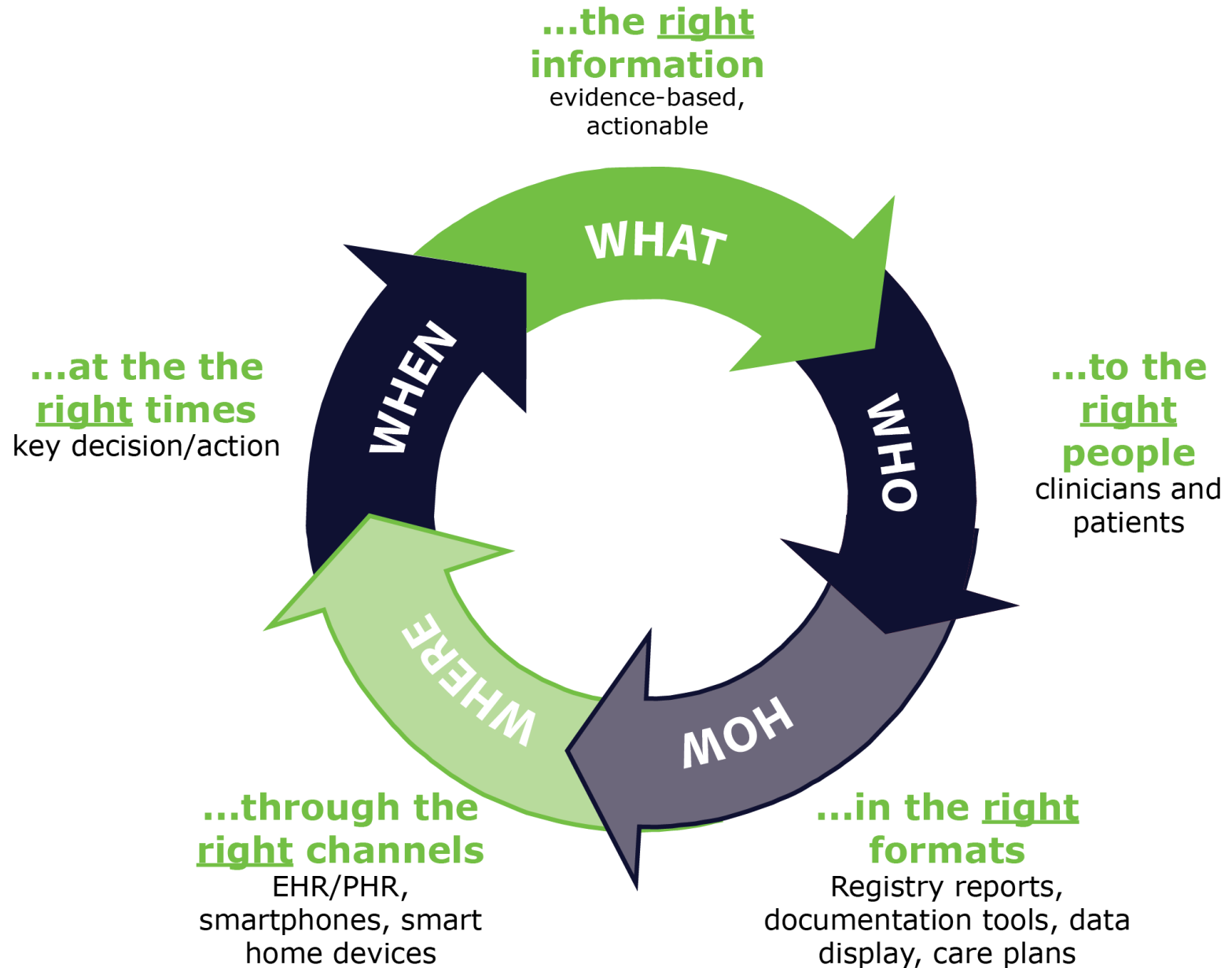
Typical Diabetes Remote Monitoring Systems



QI SUCCESS FRAMEWORK: CDS FIVE 'RIGHTS' TO IMPROVE TARGETED CARE PROCESSES/OUTCOMES, GET...

Diabetes Data to Drive Improvement

Regularly share and discuss clinical measures and other diabetes-related performance data with the care teams



Online Patient Portals



Telemedicine and Diabetes



- endoECHO@salud.unm.edu
- Telehealth has the potential to positively transform the quality and cost-effectiveness of complex diabetes management in adults.

Diabetes Technology

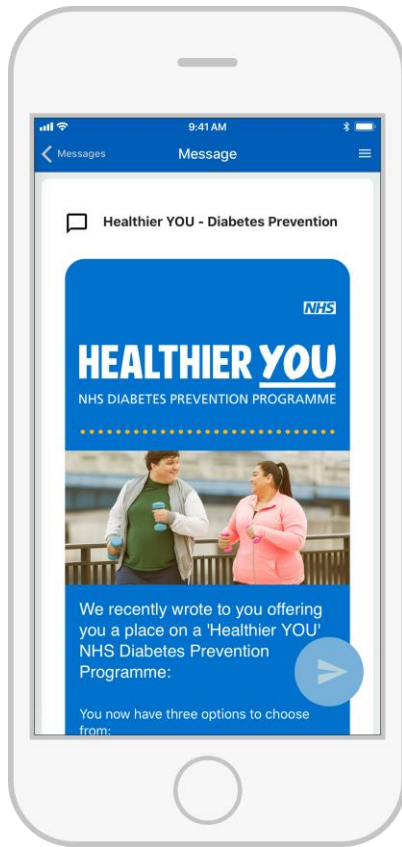
- Insulin Delivery: syringes and pens, pumps
- Self-Monitoring of Blood Glucose: Glucometers, Continuous Glucose Monitors



Point of Care Testing



Mobile Phone Text Messaging/Video Games

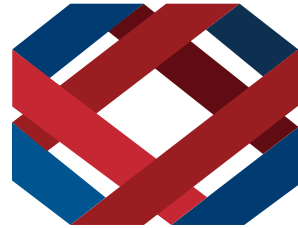




Build Partnerships to Support QI Efforts

- Engage with primary care associations (PCAs), health center controlled networks (HCCNs), and relevant NCAs

Health Center
Resource
Clearinghouse



HEALTH CENTER RESOURCE CLEARINGHOUSE

HRSA's Bureau of Primary Health Care (BPHC) has charged the National Association of Community Health Centers (NACHC) with establishing a National Resource Center (NRC) and creating an online resource repository to meet the information needs of professionals for the purpose of building stronger and healthier communities.