## **National Council on Aging**



## Partnering with Quality Improvement Networks to Expand Access to Diabetes Self-Management Education Programs

April 19, 2016

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## **Everyone with Diabetes Counts (EDC)**

National Council on Aging April 19, 2016

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# Quality Improvement Organizations (QIOs) History

- QIOs were established as Peer Review Organizations (PROs) in 1972 under an amendment to the Social Security Act (SSA), Sections 1152 – 1154, with an audit/inspection role for the Medicare program.
- In 2002, the name Peer Review Organization was changed to Quality Improvement Organization to reflect their expanding role in the area of population based quality improvement.
- The QIO mission is to improve the effectiveness, efficiency, economy, and quality of health care services delivered to Medicare beneficiaries.
- QIOs are unique, with "boots on the ground" staff.





## QIOs to QINs (Quality Improvement Networks)

 QIO program restructured as of August 1, 2014 (CMS Press Release July 18, 2014) for the 11<sup>th</sup> scope of work (SOW) contract cycle

#### **Changes:**

- **14 organizations**, formerly QIOs, awarded QIN contracts representing 50 states, as well as Washington DC, Puerto Rico, and the US Virgin Islands
- QINs comprised of 2 6 states each, not contiguous/bordering states
- Beneficiary and Family Centered Care (BFCC) contracts awarded to 2
  organizations for the entire country to perform Medicare case review
  and appeals; they cannot participate in remaining QI activities: KePro in
  Ohio, and Livanta, LLC in MD.
- Work remains state-based, but no longer limited to work just within their respective state; QI activities can now be performed across state lines within QINs
- Contracts changing from 3 years to 5 years
- Results in sharing/leveraging of resources, economies of scale, cost saving





## Diabetes Prevalence/Medicare Expenditures Attributed To Diabetes

- 60% of Medicare beneficiaries have multiple chronic conditions
- 14% of Medicare beneficiaries have 6 or more chronic conditions; the top 5 are: HTN, High Cholesterol, Ischemic Heart Disease, Arthritis, and Diabetes
- Medicare-Medicaid beneficiaries (those with both Medicare and Medicaid coverage) are 1.4 times more likely to have diabetes (Source for all of the above: CMS Chronic Conditions Among Medicare Beneficiaries, Chartbook, 2012 Edition)
- 26.9% of Medicare beneficiaries age 65 and older (10.9 million Americans) have diabetes; they account for approximately 32% of Medicare spending (Source: 2013 testimony by the Congressional Diabetes Caucus in the US House of Representatives and the American Diabetes Association)



# Diabetes Statistics – Over 65/Diverse Populations

 Adults aged 65 and over have the highest percentage of diagnosed diabetes, compared to any age group (CDC/NCHS Interview Survey 2013)

#### **Diabetes Rates from the CDC National Diabetes Statistics Report 2014:**

- Among non-Hispanic whites 7.6%
- Among non-Hispanic Blacks 13.2%
- Among Hispanic adults, 8.5% for Central and South Americans, 9.3% for Cubans, 13.9% for Mexican Americans, and 14.8% for Puerto Ricans.
- Among Asian American adults, 4.4% for Chinese, 11.3% for Filipinos, 13.0% for Asian Indians, and 8.8% for other Asians.
- Among American Indian and Alaska Native adults, the age-adjusted rate of diagnosed diabetes varied by region from 6.0% among Alaska Natives to 24.1% among American Indians in southern Arizona

#### **Rural statistics:**

 Diabetes is more common among beneficiaries who live in rural counties (16.7%), than among those who live in urban areas (13.5%). Source: The Rural Health Research & Policy Centers, funded by the Federal Office of Rural Health Policy





## **Everyone with Diabetes Counts (EDC)**

- Started as a one-state pilot 9 years ago (FL)
- Then expanded to 9 states/territories (NY, GA, LA, WV, TX, MS, MD, Washington DC, U.S. Virgin Islands)
- National expansion (50 states, as well as Washington DC, Puerto Rico, and US Virgin Islands) as of August 1, 2014. Contract ends July 31, 2019.
- Largest national diabetes self-management education (DSME) Program focused on Medicare beneficiaries in underserved minority/diverse, and rural populations.
- EDC is **community-based**.
- EDC is a Program, not a Medicare benefit.





### **EDC Goals**

- Improve health equity by improving health literacy and quality of care among Medicare and Medicare-Medicaid (those with both Medicare and Medicaid coverage) beneficiaries with pre-diabetes and diabetes through knowledge empowerment, enabling them to become active participants in their care (person/patient engagement)
- EDC is a disparity reduction program; target populations are minority underserved/diverse, and rural
- Engage both beneficiaries and health care providers to: Decrease the disparity in diabetes care by improving testing/measures for: HbA1c, Lipids, Eye Exams, Foot Exams, Improve Blood Pressure control and Weight control
- Improve actual clinical outcomes of the above measures
- Facilitate sustainable diabetes education resources by engaging public/private agency/organization partnerships at the community level; state level; and national level





## **Challenge of Literacy/Health Literacy**

The current literacy rate in the US has not changed in 10 years.

- 14% of US adults cannot read (defined as being below a basic level)\*
- 19% of high school graduates can't read

#### Reading Levels - Demographics of Adults who Read below a basic level\*

- Hispanic 41%
- African American 24%
- White 9%
- Other 13%

\* Basic level - reading at a 4th grade level, and the person should be able to make simple inferences, and interpret the meaning of a word as it is used in the text.

Source for all of above: U.S. Dept. of Education, National Institute of Literacy, Illiteracy Statistics Dec. 2015



## **EDC Components**

#### **EDC** has 5 components:

- 1.) Recruitment and education of beneficiaries
- 2.) Recruitment and education of physician practices/providers and staff
- 3.) Recruitment of community partners/stakeholders
- 4.) Data collection and analysis
- 5.) Sustainability planning/implementation

\*\* EDC is a continuous plan/do/study/act (PDSA) cycle; "keep or

tweak"

Short-term quality improvement cycles; usually 30, 60, or 90 days.



Think Outside the Box
New Strategies and
Innovations/Interventions





## **How to Accomplish EDC**

- **Recruit**, enroll, and teach **beneficiaries** utilizing evidence-based DSME curricula; Stanford, or DEEP (diabetes education empowerment program from UIC (University of Illinois, Chicago)). Classes teach/promote: healthy lifestyles/behavioral changes, basic anatomy, nutrition, medication adherence, medical monitoring (physician appts., labs, foot and eye exams, etc.), and self-goal setting to achieve favorable outcomes.
- DSME classes: 6 consecutive weeks, 2 ½ hours each class (12-15 hours total); community-based sites; invite guest lecturers (i.e., pharmacists, dieticians); includes cultural competency component; many classes taught by community health workers (CHWs) who reside in the targeted community, or are members of that population group. Classes taught in the preferred language of the targeted population as much as possible; taught for low literacy populations; family member or care-giver encouraged to attend - person and family engagement; "meet people where they are" \*\*Not one size fits all\*\*
- Recruit physician practices, clinics, Medicare Advantage (MA) Plans, Federally Qualified Health Centers (FQHCs) to improve their adherence to standards of care for people with diabetes; improve their data collection and data analysis skills; improve their knowledge of Medicare diabetes prevention benefits, educate provider Staff



## **How to Accomplish EDC continued**

- Recruit community partners/stakeholders "spread the word," by attending community-based activities, i.e., health fairs, to market DSME classes; partner/stakeholder venues to host classes (i.e., area agency on aging (AAA) sites, senior centers, grocery stores, pharmacies, libraries, faith-based organizations, police stations); endorsement by trusted sources in the community (i.e., local "celebrity" endorsement, church Pastor endorsement); local TV and radio coverage, i.e., public service announcements (PSAs); partner with state depts. of health (we find many have limited infrastructure); with local politicians for endorsement (Mayor, Senator, Governor); with state medical societies; with academic institutions (schools of Nursing, Pharmacy, Medicine, Programs in Dietetics)
- Data QIN-QIO will obtain clinical results of diabetes measures for 10% of beneficiaries who complete DSME, and match to Medicare claims data, following beneficiaries longitudinally over time; pre and post DSME Patient Activation Survey data; use of data "hot spotting" to identify areas in need





## **How to Accomplish EDC**

#### **Sustainability Planning/Implementation**

- Each QIN-QIO develops and implements a Sustainability Plan that includes increasing the numbers of certified diabetes educators (CDEs) in their state; increasing the numbers of lay diabetes educators in their state (by training them in Stanford or DEEP); developing train-the-trainer programs; working to facilitate the use of CHWs in their state; providing technical assistance to existing ADA/AADE recognized/accredited programs; and increasing the numbers of new ADA/AADE recognized/accredited diabetes education programs in each state.
- Achieving this recognition/accreditation enables the program to bill for the Medicare diabetes self-management training (DSMT) benefit, as well as potentially billing to other insurers/payers for diabetes education.





## **EDC** and the Triple Aim

#### **EDC Components:**

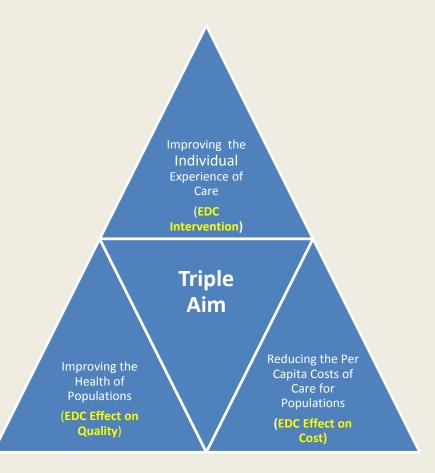
- Beneficiary recruitment and education (DSME)
- Participating Practice (PP) recruitment and education (including PP staff)
- Community partner recruitment
- Sustainability planning
- Data collection

**EDC Intervention**: Beneficiary DSME Classes

and PP technical assistance (T.A.)

**EDC Effect on Quality**: Clinical Data Results

**EDC Effect on Cost**: Medicare Claims Data







## **Medicare Preventive Services/Benefits**

- Diabetes self-management training (DSMT) (for Medicare beneficiaries with diabetes)
- Medical nutrition therapy (MNT) (not limited to Medicare beneficiaries with diabetes)
- Diabetes and Pre-diabetes Screening (eligibility depends on risk factors for diabetes)
- Intensive Behavioral Therapy (IBT) Obesity Screening and Counseling (not limited to beneficiaries with diabetes)
- Chronic Care Management (not limited to beneficiaries with diabetes)
- Shared Medical Appointment (not limited to beneficiaries with diabetes)
- Depression Screening (not limited to beneficiaries with diabetes)

https://www.cms.gov/Outreach-and-education/Medicare-Learning-Network-MLN/MLNProducts/PreventiveServices.html





#### **EDC Facts and Results**

- National Partners: CDC (1305 Grantees), ACL (formerly AoA), Office of Minority Health (OMH), ADA, AADE, Stanford, U of Illinois, Chicago (UIC), AMA, NCOA
- **Stanford** the highest level of trainers (Master-T-Trainers) certified to teach Stanford in Spanish on the East Coast of U.S. are in NY QIN-QIO
- **DEEP** the highest level of DEEP trainers in the U.S. (Senior Trainers), outside of the UIC staff, are in the QIO Program
- To date, > 50,000 Medicare beneficiaries in minority/diverse and rural populations have completed DSME classes through EDC
- To date > 30,000 physicians/health care providers have participated in EDC
- To date, > 3,000 lay diabetes educators (CHWs, and lay leaders) have been trained in the DSME curricula used by the QINs
- To date > 5,000 community-based organizations have participated in EDC
- To date DSME classes in EDC have been hosted at > 9,000 community based sites
- QIOs have Taught DSME classes in various settings: out-patient mental health facilities; in SNF facilities; and in dialysis facilities; for visually impaired, classes with materials in Braille
- DSME classes are being taught in Spanish, Mandarin, Swahili

#### **Sustainability Example**: In Texas through EDC over a 5 year period:

- 14 partners have achieved accreditation for diabetes education programs;
- The numbers of new CDE applicants increased by 18% over 5 years; the numbers of actual CDEs increased by 15% in 4 years.
- 1,300 diabetes educators (lay educators) have been trained in the DEEP DSME curriculum





## **EDC Challenges**

- Social determinants of health poverty, low-literacy/illiteracy
- Language challenges, English may be second language
- Food deserts
- Lack of transportation
- Cultural beliefs: fatalistic/self-fulfilling prophecy of, "my parents died from diabetes, so will I"
- Trust issues in these communities
- Sometimes community partners request donations/payment to use space to host DSME classes
- Keeping beneficiaries and health care providers motivated and engaged requires maximum creativity, and continuous PDSA cycles on the part of the QINs





#### **Resources - Websites**

- <a href="http://qioprogram.org/EDC">http://qioprogram.org/EDC</a> for information about EDC, Success Stories, Photos, Aggregated Data Results
- http://qioprogram.org/edc/faq for FAQ's about EDC
- <a href="http://www.qioprogram.org/contact">http://www.qioprogram.org/contact</a> to locate the QIN QIO in your state, and for general information about QIN QIOs
- https://www.cms.gov/Outreach-and-education/Medicare-Learning-Network-MLN/MLNProducts/PreventiveServices.html for information about Medicare preventive services/benefits
- https://www.cms.gov/Newsroom/MediaReleaseDatabase/Press-releases/2016-Press-releases-items/2016-03-17.html
   for CMS OMH Mapping Medicare Disparities Tool

#### **Contact Information:**

Susan.Fleck@CMS.HHS.GOV





## **Words of Inspiration**

One person can make a difference, and everyone should try.

John F. Kennedy







## **Words of Inspiration**

We did the best we could with what we knew, and when we knew better, we did better.

Maya Angelou







## **EDC Pictures**

## Marketing Flyer for EDC Classes







## **EDC Master Trainers Class** Graduates, Texas





## EDC Medicare Beneficiaries Graduation Ceremony, Bronx, NY



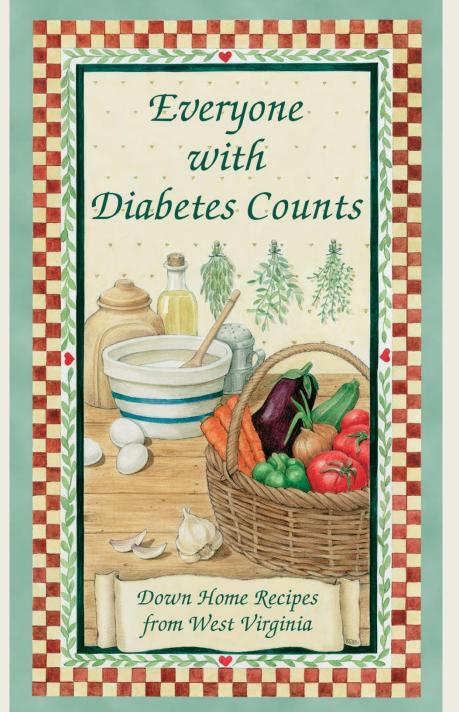






CENTERS for MEDICARE & MEDICAID SERVICES



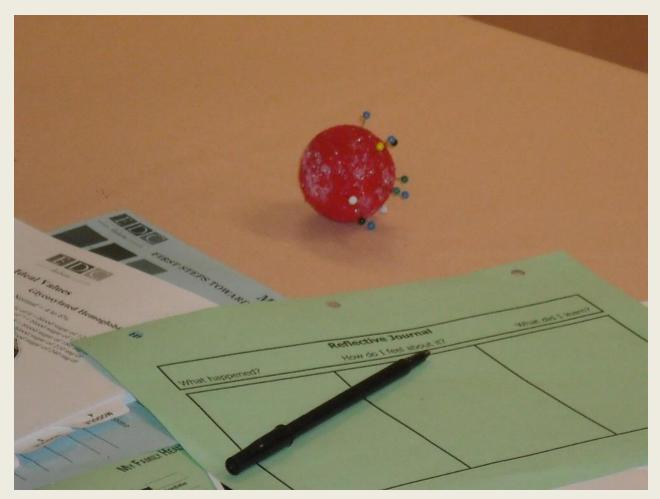








## HbA1c Molecule





## EDC on Front Page of Latino Post, New York City





















VIRGINIA DEPARTMENT FOR AGING
AND REHABILITATIVE SERVICES

Supporting Virginians' efforts to secure independence and employment







You Can! Live Well, Virginia!



Partnering with Quality Improvement Networks to Expand Access to Diabetes Self-Management Education Programs

**April 19, 2016** 



## The Virginia Division for the Aging Department for Aging and Rehabilitative Services

#### Mission:

To foster the dignity, independence, and security of older Virginians by promoting partnerships with families and communities

Designated by the federal government to oversee all state programs using Older Americans Act and the Virginia General Assembly funds

25 Area Agencies on Aging contract with the Division





## **History of CDSME in Virginia**

- \* 2005: Introduced by Virginia Department of Health.
- \* March 2010: Two-year ARRA grants to states from US Administration on Aging to disseminate CDSM to older adults.
- \* September 2012: Virginia one of 22 states awarded a 3 year grant under the Prevention and Public Health Funds, Affordable Care Act.
- \* DARS is the lead state agency. Area Agencies on Aging are leads at the local level.

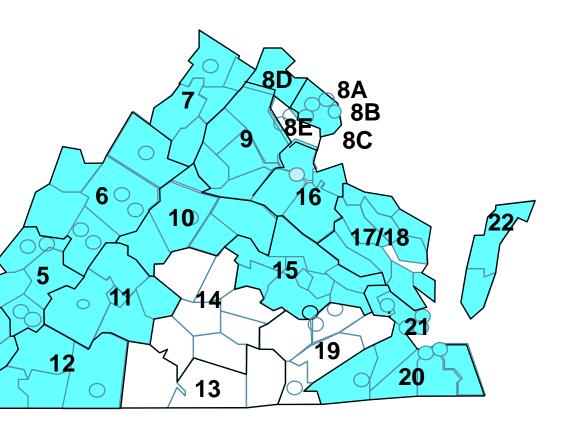


### Virginia's CDSME Programs 4-19-16

- 1 Mountain Empire Older Citizens
- 2 Appalachian Agency for Senior Citizens
- 3 District Three Senior Services
- 4 New River Valley Agency on Aging
- 5 LOA Area Agency on Aging
- 6 Valley Program for Aging Services
- 7 Shenandoah AAA
- 8A Alexandria Division of Aging and Adult Services
- 8B Arlington Agency on Aging
- 8C Fairfax AAA
- 8D Loudoun County AAA
- 8E Prince William AAA
- 9 Rappahannock-Rapidan Community Services
- 10 Jefferson Area Board for Aging
- 11 Central Virginia AAA
- 12 Southern AAA
- 13 Lake Country AAA
- 14 Piedmont Senior Resources AAA

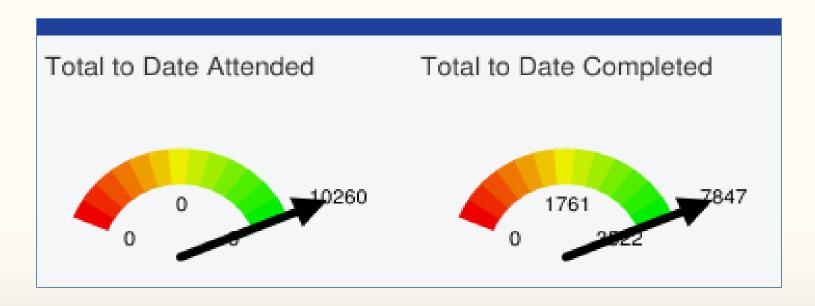
3

- 15 Senior Connections, The Capital AAA
- 16 Rappahannock AAA
- 17/18 Bay Aging
  - 19 Crater District AAA
  - 20 Senior Services of Southeastern Virginia
  - 21 Peninsula Agency on Aging
  - 22 Eastern Shore AAA Community Action Agency





## Participation in CDSME Workshops April 1, 2010 through April 12/2016





#### You Can! Live Well, Virginia!



#### **Accomplishments**

#### Reached diverse populations:

- Workshops in Spanish, Chinese, Vietnamese, Korean and sign language
- Persons with disabilities
  - Embedded at Wilson Workforce and Rehabilitation Center
  - Centers for Independent Living
  - Behavioral health and recovery programs
  - Clubhouse programs
- Six state prisons
- Low income and homeless populations
- Formed lasting partnerships locally and statewide

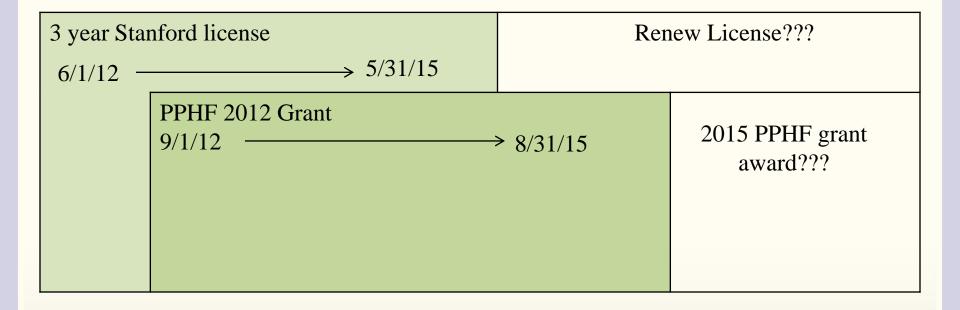




### You Can! Live Well, Virginia!



#### Our Dilemma





#### You Can! Live Well, Virginia!



### Enter VHQC!







### Thanks for your attention!

## Chronic Disease Self-Management Education programs

Contact:

April Holmes
Department for Aging and Rehabilitative Services
804-662-7631

april.holmes@dars.virginia.gov









Partnering with Quality Improvement Networks to Expand Access to Diabetes Self-Management Education Program

April 19, 2016

### **Everyone with Diabetes Counts (EDC)**

- a. Contract cycle started Fall 2014
- b. VHQC's Plan
  - 1. Stanford License for CDSME
  - 2. Secure Master Trainers
  - 3. Find community organizations and physicians; hold workshops
- c. DARS infrastructure with Area Agencies on Aging (AAA) for CDSME



## **VHQC-DARS Partnership**

### **VHQC**

- a. Maintain Stanford Multi-site CDSME License
- b. Provide workshop supplies for some AAAs
- c. Provide promotional materials and marketing support
- d. Develop Reference Guide for EDC
- e. Serve as backup for trainers when needed

### VHQC-DARS Partnership, cont'd

#### DARS

- a. Coordinating entity
- b. Support to leadership of AAAs
- c. Facilitate monthly conference call with AAAs and VHQC
- d. Fidelity and annual technical assistance visits
- e. Distribution of financial support to AAAs



### VHQC-DARS Partnership Cont'd

### AAAs

- a. Facilitate CDSME and DSME workshops
- b. Ensure paperwork/documentation to VHQC
  - 1. Registration logs
  - 2. Pre and post patient activation surveys
  - 3. Demographics
  - 4. Clinical data consent form



### Contact VHQC



Thelma M. Baker tbaker@vhqc.org 804-289-5336 www.vhqc.org



# Self-Management in Oregon: Working Together for Spread and Sustainability

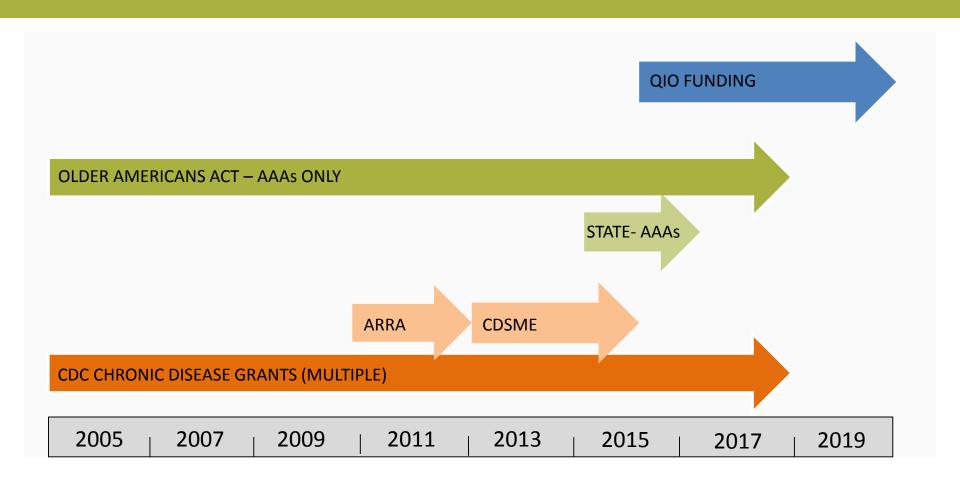








### Oregon Self-Management Funding



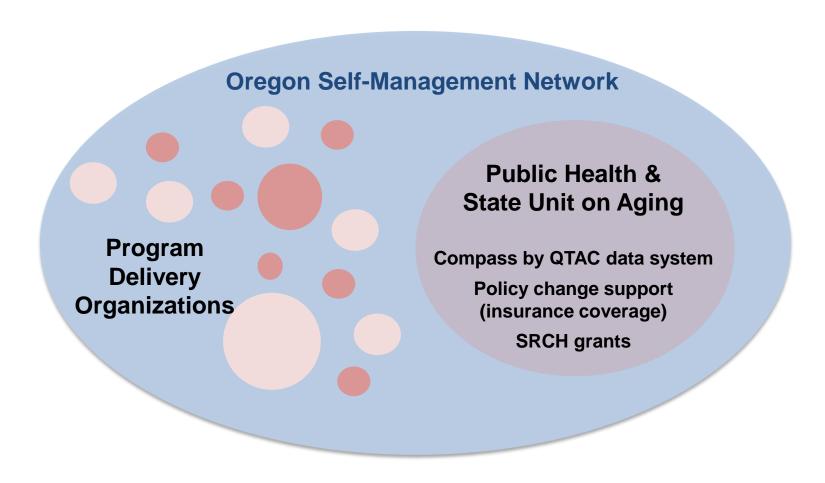
AAAs – Area Agencies on Aging

ARRA – American Reinvestment & Recovery Act

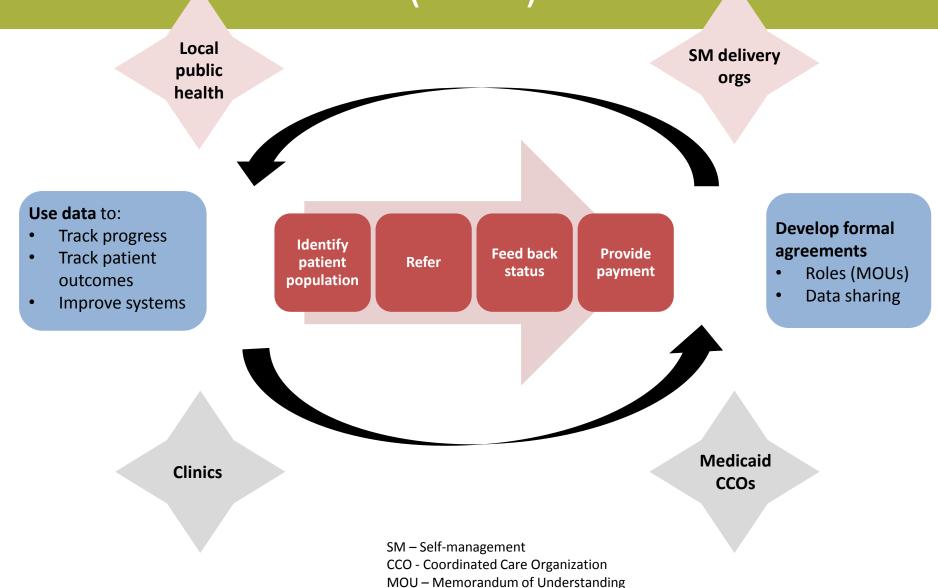
CDC – Centers for Disease Control & Prevention

QIO – Quality Improvement Organization

# Oregon's Self-Management Delivery Infrastructure



# Sustainable Relationships for Community Health (SRCH)



### **Oregon Partnership Roles**

## Public Health Div. & State Unit on Aging

Develop initial delivery infrastructure

Develop initial partnership structure

License statewide SM data collection system

Provide SRCH project management & funding

## Acumentra Health (QIN-QIO)

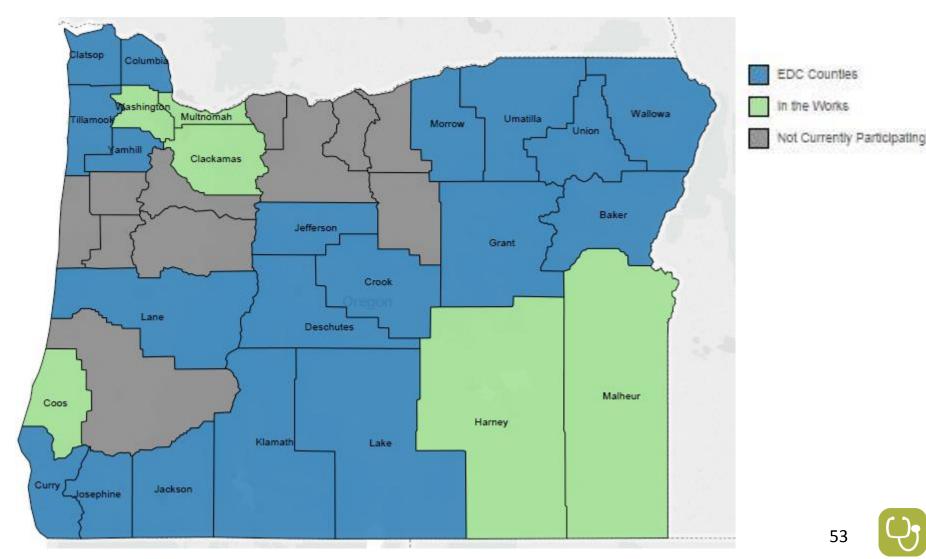
Develop delivery capacity in new communities

Offer data utilization & process change expertise

Provide value message & coaching for clinics & plans

Broker relationships with clinical partners

### Oregon Everyone with Diabetes Counts (EDC) Communities



### Partnering with your QIN-QIO

- Helping communities organize
  - Community organizing
  - Support for infrastructure development
- Process improvement coaching and data collection
- Clinical-community linkages



### Oregon's QIN-QIO approach

#### Quality Improvement Best Practices

### Data alignment and translation

Helping communities operationalize and share data for improvement

### Workflow and process design

Data quality, standardized documentation, workflow integration

#### **Community organizing**

Aligning stakeholders to create and tell the collective story

#### Scalability and spread

Capturing what works to inform scalability and spread

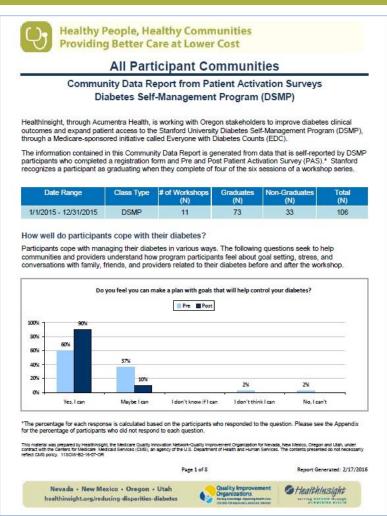
Improved integration of CSMPs through provider referral and payment reform



### Partnering with your QIN-QIO

# Measurement and reporting

- Standardized data collection
- Translating data to value and action

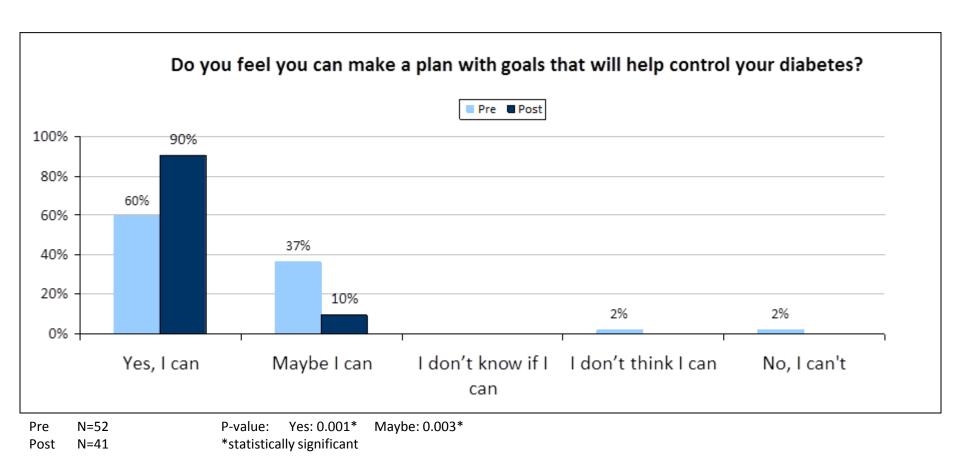




### **DSMP Community Data Reports**

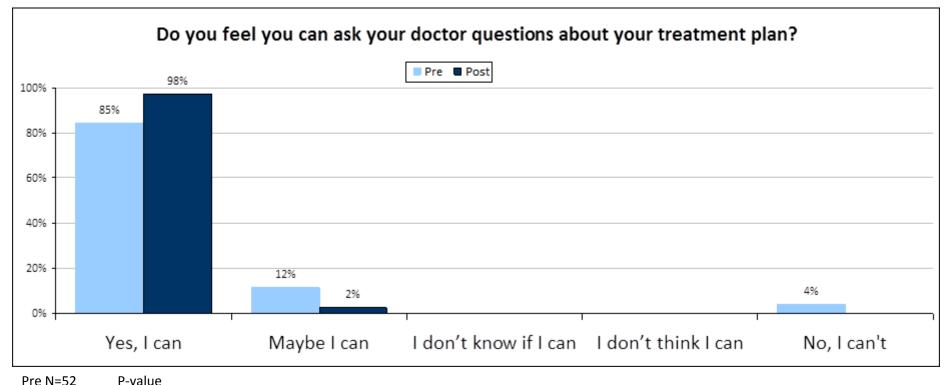
- Quarterly cumulative summary for each community
- Annual analysis of DSMP data
- Pre & Post Patient Activation Survey
  - How well do participants cope with their diabetes?
  - What knowledge have participants gained?
  - In the last week, how many days...
- Participant Demographic Data

### Pre/Post Graph Interpretation





### Communication with provider

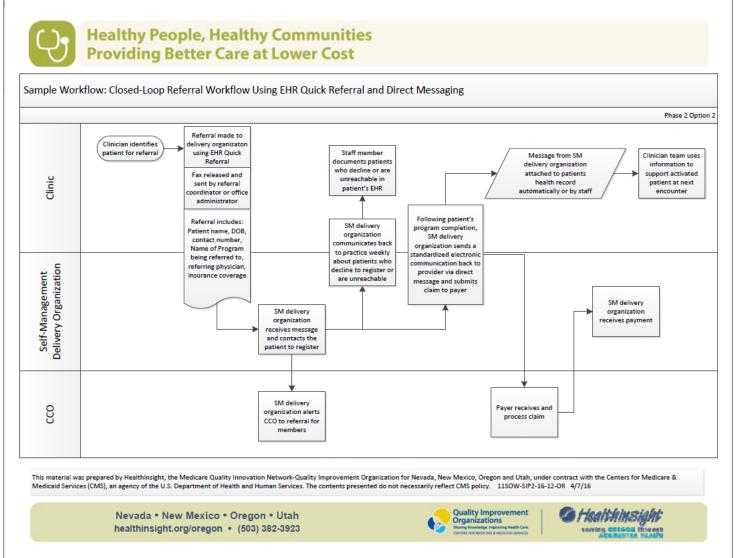


Pre N=52 P-Post N=41 Ye

Yes: 0.036\*



### Creating clinical-community linkages



### Contact us!

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### **Questions & Answers**





Type your question into the chat box on the lower left-hand side of your screen.

For reference, the slides and recording of this webinar will be available shortly on <a href="https://www.ncoa.org/cha">www.ncoa.org/cha</a>.



### **Next Webinar**



#### Register here

#### **STEADI Implementation and Partnering with Health Care**

April 27 @ 3:00 pm - 4:30 pm

Learn about how the Centers for Disease Control and Prevention's STEADI (Stopping Elderly Accidents, Deaths and Injuries) Toolkit can be used for fall prevention screening, assessment, intervention and education of older adults.

#### **Presenters:**

- Erin Parker, PhD, Health Scientist, Division of Unintentional Injury
  Prevention, National Center for Injury Prevention and Control, Centers for Disease
  Control and Prevention
- Bridget Talbut, RN, Nurse Manager, Physician Practice Division, United Health Services
- Tanya Wells, MSEd, Injury Prevention Program Administrator, Vermont Department of Health

