

QI 101: I Am New to Clinical Quality Management – Where Do I Start? Pitfalls and Challenges to Your Improvement Efforts

Clemens Steinbock

HRSA Ryan White HIV/AIDS Program Center for Quality Improvement & Innovation (CQII)

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Opening Remarks



Setting the Stage

- CQII Overview
- Learning Objectives
- Agenda Review
- Introductions





Picture Consent



- You allow CQII to take pictures from our training events and to post them on our websites, social media platforms, and other marketing materials for an undetermined period of time
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"Together, we continue to improve the lives of people living with HIV. The HRSA Ryan White HIV/AIDS Program Center for Quality Improvement and Innovation (CQII) provides state-of-the-art technical assistance to Ryan White HIV/AIDS Program-funded recipients and subrecipients to measurably strengthen local clinical quality management programs in order to impact HIV health outcomes."

Training

Face-to-face training sessions to build capacity among providers and consumers

Online presence of CQII on the TARGET Center website

TA Calls to showcase recipients and OI content

Online tutorials for providers and consumers

Training/Educational Fora

Provision of Technical

Assistance

Provision of on/off-site technical assistance by QI experts

Functional RITA to track all relevant ongoing TA activities TA case conferences to learn from past TA activities

Intensity

Consultation/Coaching

Communities of Learning

One national QI collaborative with engagement of RWHAP recipients Annual Quality Award Program to highlight QI leaders

Communities of Learning

-May

CQII.org | 212-417-4730

Information Dissemination

Dissemination of QI Resources

Marketing strategies to increase

awareness of CQII, including an

Presence at national conferences.

including the 2018 National Ryan

e-Newsletters to highlight upcoming

informational brochure

events and QI resources

White Conference



Learning Objectives

- Explain key quality improvement principles applicable to HIV care
- Explain the relationship between quality monitoring, quality improvement, and data collection
- Provide real world examples of how RWHAP recipients have applied quality improvement methodologies to strengthen their clinical quality management programs
- List available quality improvement resources to increase the participant's capacity for clinical quality management beyond the workshop



Agenda

- Setting the Stage 15min
- Expectations for Clinical Quality Management and Quality Improvement Principles – 15min
- QI Exercise: Tennis Ball Game 20min
- PDSA Cycle 10min
- Panel Presentations 20min
- QI Resources 5min
- CQII at the RW Conference 5min



Introductions



Quality Improvement 101



Questions

- What do you rate your own quality improvement competency?
 - Novice/Beginner
 - Proficient
 - Advanced
 - Expert
- What do you rate your agency's quality improvement competency?
 - Novice/Beginner
 - Proficient
 - Advanced
 - Expert



PCN #15-02

https://hab.hrsa.gov/sites/default/files/hab/clinical-quality-management/clinicalqualitymanagementpcn.pdf



Components of the CQM Program

- Infrastructure the staff, resources, and conceptual outline of the CQM program
- Performance Measurement the data that will drive the improvement activities
- Quality Improvement activities undertaken in response to the performance data findings

https://hab.hrsa.gov/sites/default/files/hab/clinical-quality-management/clinicalqualitymanagementpcn.pdf



A recipient or subrecipient program is doing really well with health outcomes, like viral suppression. Is the CQM program still needed?

- A. True
- B. False

True. A CQM program is still required. According to the Title XXVI of the PHS Act, RWHAP Parts A – D are required to establish a CQM program that includes activities at the recipient agency and at all funded subrecipient organizations.



Are QI projects required for each funded RWHAP service?

- A. Yes
- B. No

No, but all funded services should be assessed through performance measurement to evaluate the effectiveness of the service. If the performance measurement is not meeting expectations, then a QI project to address the service should be implemented.



Does the quality management plan only cover clinical services?

- A. Yes
- B. No

No, the quality management plan should include all aspects of the CQM program and thus all funded core medical and support services.



A recipient organization does not fund outpatient ambulatory health services. What performance measures should that organization use?

- A. Viral suppression
- B. The frequency of updating the client case management plan
- C. Ones that reflect the Ryan White HIV/AIDS Program services provided
- D. Only retention in care
- E. All of the above

C. An organization should collect performance measures that are reflective of their RWHAP funded services. For example, if an organization primarily funds medical case management then retention in care (i.e., gap in medical visits and/or medical visit frequency) would be an important measure to include in a performance portfolio.



Are recipients required to use HAB-defined performance measures?

- A. Yes
- B. No

No. Recipients are able to select any performance measures for their portfolio. Recipients should select measures reflective of RWHAP funded services, local HIV epidemiology, and identified needs of PLWH.



Principles for Quality Improvement



Success is achieved through meeting the needs of those we serve – is your organization ready?





Most problems are found in processes, not in people





Do not reinvent the wheel – Learn from best practices



... AND I HAVE FOUND THIS ONE WORKS ALOT BETTER.



Achieve continual improvement through small, incremental changes



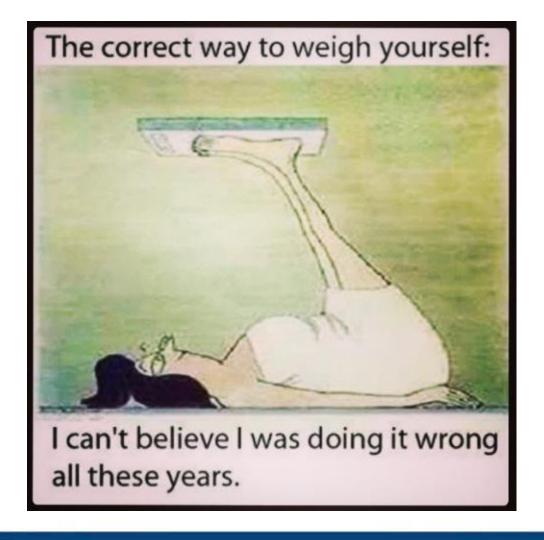








Actions are based upon accurate and measured data





Infrastructure enhances systematic implementation of improvement activities





Set priorities and communicate clearly





Quality Improvement Requires a Different Approach Than Quality Assurance

	Quality Assurance	Quality Improvement
Motivation	Measuring compliance with standards	Continuously improving processes
Attitude	Required, defensive	Chosen, proactive
Focus	Outliers: "bad apples" Individuals	Processes Systems
Responsibility	Few	All



Tennis Ball Game



Tennis Ball Game



- Form a circle of 6-8 individuals with one external person to be the timekeeper
- The first person throws the ball to the person across from him/her in the circle
- Remember to whom you threw it
- The receiver throws it to another person who has not touched the ball yet, and so on till each in the group touched the ball
- The last person passes it to the start person



Tennis Ball Game



Objective of the Game:

 Reduce the cycle time of your team using the rules below.

Rules:

- Start and stop with same person
- Maintain the same sequence
- Don't drop the ball



Let's Play





Tennis Ball Debrief

- What contributed to the improved cycle times?
- Was every change you tried an improvement? Why not?
- How important was the 'trial and error' approach to reduce the cycle time?
- How important was the measurement of cycle times to know whether new ideas yielded an improvement?
- How important were the contributions of team members?

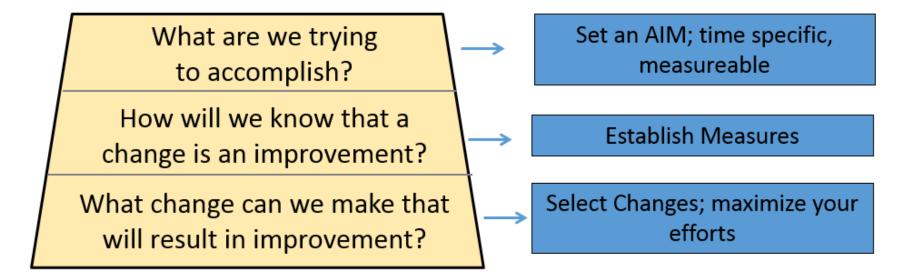


PDSA Cycles



Conducting an Improvement Project – The Plan-Do-Study-Act Cycle

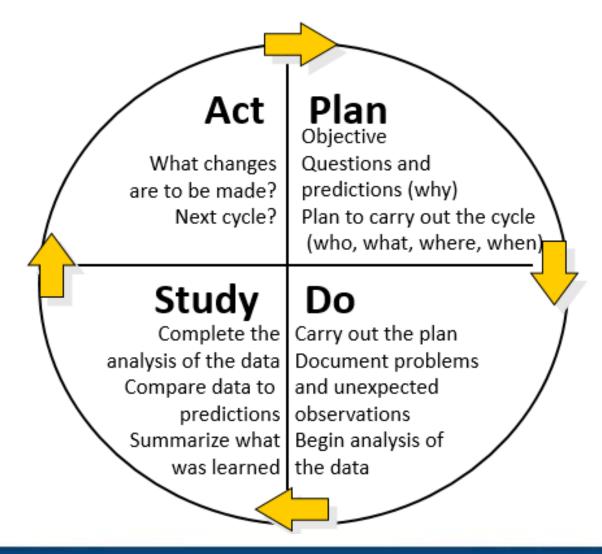
Model for Improvement



Model developed by Associates for Process Improvement



The PDSA Cycle - Taking Action





Why Test?

- Increase your confidence that the change will result in improvement in your organization
- Learn how to adapt the change to conditions in the local environment
- Minimize resistance when you move to implementation

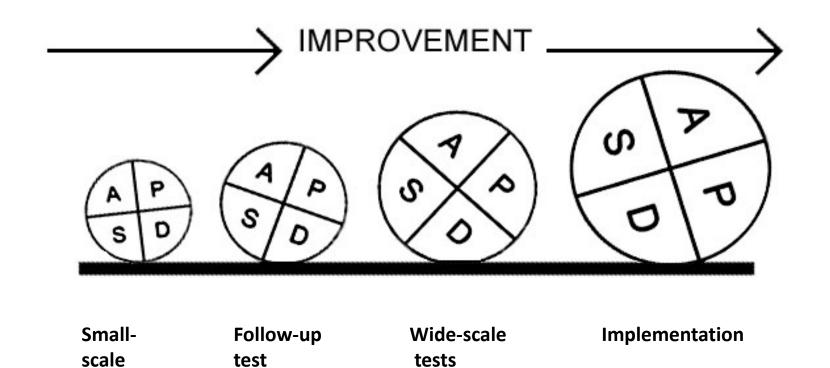


How Do Tests Lead to Improvements?

- You learn something from each test
- That knowledge gets incorporated into the next test
- Over time, as you build knowledge and expertise, you design a change that will result in improvement



Start Small and Build





test

Tips for PDSA Cycles

- "What change could you implement by next Tuesday?"
- Use the "Rule of 1":
 - 1 facility
 - 1 office
 - 1 provider
 - 1 patient
- Volunteers at first
- Data, data, data
- Learn from others successes and failures teach us something
- Just get started!



QI in the Real World I





QI In The Real World:

Quality Improvement at the Ryan White Wellness Center Charleston, SC







Who We Are, What We Do

- Ryan White Part C Recipient, Part D Subrecipient
- 7 Counties surrounding Charleston, SC
- Rural, coastal South Carolina
- Serve 800 900 patients annually
- HIV & Primary Care
- PrEP
- Mental Health
- Medical Case Management
- Housing
- Peer Navigation
- Transportation
- Contracted specialty and supplemental services











RSFH 5 Pillars (by Studer Group)









Quality Infrastructure

Quality & Development Manager

Oversee QI activities, data management, RSR reporting, develop new programming

Administrative Team

 QI Team, meet monthly, identify needs & priorities, review data, report on progress

Project Teams

Membership varies based on project, includes consumers

SC Regional Group

 Coordination & alignment of statewide efforts

Integration of QI into daily work







RWWC Strategic Planning

Annual Strategic Planning Meeting

- Spring Retreat
- *EDU-training* Agenda
 - Teambuilding
 - System Goals
 - RWWC Goals
 - Team Goals









FY 2017 - 2020 STRATEGIC PLAN: OVERVIEW OF GOALS

Aiming to become a premier healthcare organization in the fight against HIV/AIDS and the preferred HIV care provider in the Lowcountry

	Service	Growth	People	Finance	Quality
	Community service and autreach	Networks and procedures that promote practical healthcare newigation within and between systems	Strategies to improve team cohesian	Practices that will encourage revenue grawth	Opportunities to enhance patient experience and quality outcames; Strategies to decrease waste through system optimization
Department Specific Goals	Participate in at least one group project (i.e. United Day of Caring) each year. Track number of community service events and number of participants.	Strengthen focus of health promotion, disease prevention, and total wellness. Facilitate routine HIV testing and HIV care coordination in Express Cares, Emergency Departments, and Transitions Clinic.	 Host annual staff retreat, to include teambuilding component. 	Increase accessibility to care using telehealth. Advertise same-day appointments for primary care. Expand capacity of onsite health services (pharmacy, dental, vision). Diversify long-term funding streams.	Improve quality of HIV medical care and services. Increase enrollment and utilization of health insurances. Increase onsite healthcare services. Implement routine audit of medical care and case management records.
System-Linked Goals	Submit program information for Community Benefit report.	Improve coordination from acute care facility to primary care.	Develop a culture of continuous learning and improvement. Increase teammates' knowledge of Diversity and Inclusion, and health disparities. Have a clear roadmap and annual analysis plan of community needs.	Improve coordination from Express Care to Primary Care. Increase access to care in Berkeley and Dorchester counties.	Improve patient perception of access to RSF Physician Partners practices. Improve care of patients with chronic disease — Diabetes. Develop systems to promote preventive care for patients — Mammography. Ensure completeness, accuracy and availability of patient health records to improve clinical operations. Build a data-driven organization that aligns strategies and daily work.







SC Regional Group

- All Ryan White Part C & D Programs
- Part A & B Inclusion
- Active consumer membership
- Meet quarterly in person
- Monthly web meetings (Zoom)
- Regional Group QI Plan
- Regional Group Assessment
- Share un-blinded data
- Participate in national QI Campaigns









enddisparities







Highlights & Hurdles

High Quality, High Engagement

- 92% Optimally Retained
- 91% Virally Suppressed
- 99% Newly Diagnosed Patients Receive ARV on Their First Visit

Barriers & Stressors

- Busy Schedules/Competing Priorities
- Engage Your Staff
- Documentation
- Consumer Involvement
- Share What You've Accomplished!





Call. Email. Tweet. Like.



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QI in the Real World II





Ryan White

Quality Improvement 101 The MIHS Experience

Taylor Kirkman, LMSW
HIV Care Continuum Manager
Maricopa Integrated Health System

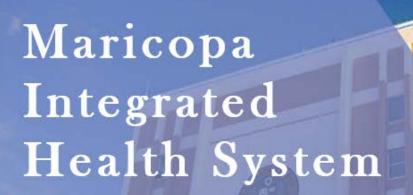


Acknowledgements

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Additional funding is provided by the Arizona Department of Health Services, Disease Integration and Services, HIV Care and Services Program through AIDS Drug Assistance Program pharmaceutical rebate funds.





 Arizona's only public teaching health care system

 Level I Adult and Level II Paediatric Trauma

500 residents and 3,000 student rotations

325 licensed beds

20,000+ admissions per year

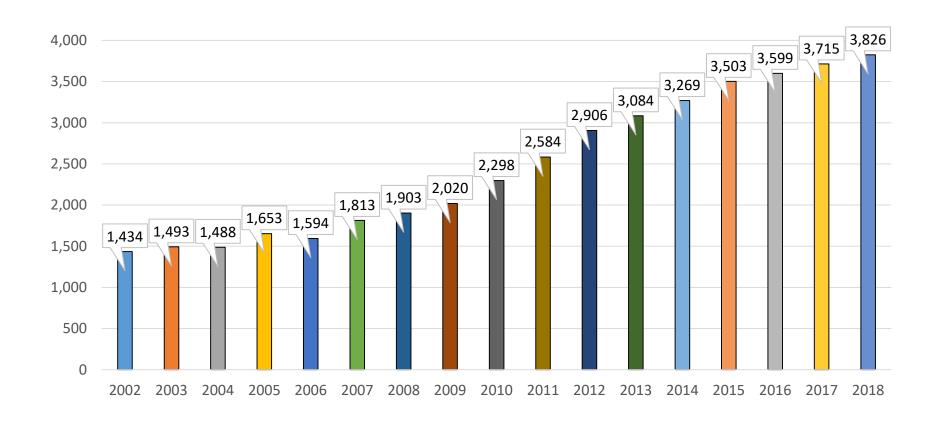


Our vision is to be nationally recognized for

transforming care to improve community health.



McDowell Patient Growth (past 16 years)





McDowell Health Care Center Demographic Profile

RACE/ETHNICITY

Caucasian (not Hispanic)	36%	In the Part A
Hispanic (all Races)	31%	EMA, 28% of
African American/Black	19%	PLWH are
Asian/Pacific Islander	2%	Hispanic.
American Indian	1%	



GENDER

Male	79%	
Female	19%	In the Part A
Transgende	2%	EMA, 14% of PLWH are
r		Female.



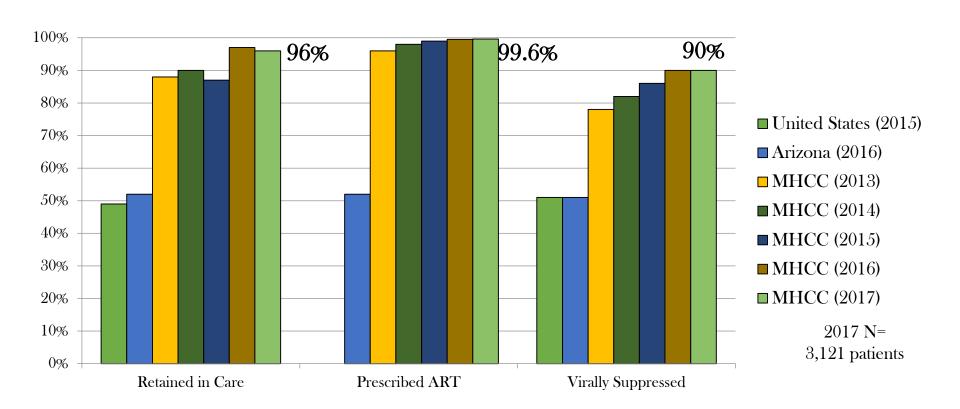
EXPOSURE CATEGORY

Men who have Sex with Men (MSM)	55%	In the Part A
Persons Who Inject Drugs (PWID)	5%	EMA, 10% o
MSM and PWID	11%	PLWH repor
Heterosexual	28%	Heterosexua
Other/Unreported	1%	transmission

The patient population at the McDowell Health Care Center is 64% racial and ethnic minorities.

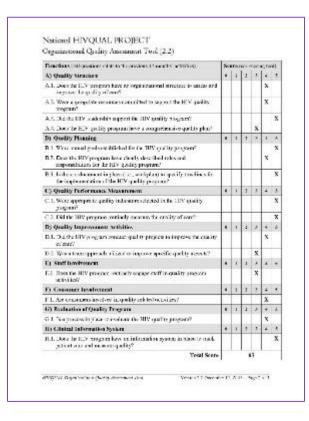


McDowell HIV Care Continuum



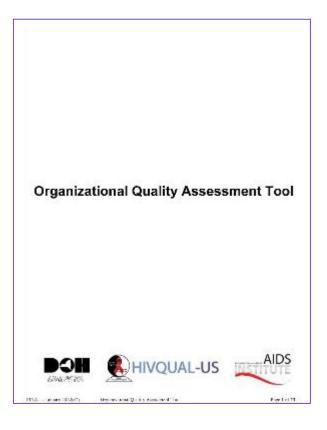


Tools and Approaches



Routinize: To arrange or plan something so that it follows a regular or unchanging pattern.

Sustain: To cause to continue or be prolonged for an extended period or without interruption.





Quality Management

2018 2012 To assess the HIV program infrastructure to support a systematic process with identified leadership, accountability, and dedicated resources. To what extent does senior leadership create an environment that supports a focus on improving 4 the quality of HIV care? To what extent does the HIV program have an 3 effective quality committee to oversee, quide, assess, and improve the quality of HIV services? To what degree does the HIV program have a comprehensive quality plan that is actively utilized to oversee quality improvement activities?

- Senior Leadership
 - Encouraging staff innovation through QI awards or incentives.
- Quality Committee
 - Communicates with non-members through distribution of minutes and discussion in regular staff meetings.
 - Effectively communicates activities, annual goals performance results and progress on improvement initiatives to all stakeholders, including staff, consumers and board members.
- Comprehensive Quality Plan
 - Is routinely communicated to program staff.
 - Is routinely communicated to stakeholders, including staff, consumers, board members and the parent organizations, if appropriate.



Workforce Engagement in the HIV Quality Program

	2012	2018
To assess awareness, interest, and engagement of staff in quality improvement activities.		f staff
To what extent are physicians and staff routinely engaged in quality improvement activities and provided training to enhance knowledge, skills, and methodology needed to fully implement QI work on an ongoing basis?	2	2
To what extent is staff satisfaction included as a component of the quality management program?	4	5



Routine Engagement

- A formal process for regularly recognizing staff performance in QI via performance appraisals, public recognition during staff meetings, etc.
- A formal process for recognizing staff performance internally and QI teams are provided opportunities to present successful projects to all staff and leadership.
- Routine communication about new developments in QI, including promotion of QI projects both internally (e.g., quality conferences) and externally (e.g., related conferences).



Measurement, Analysis, and Use of Data to Improve Program Performance

2012 2018

To assess how the HIV program uses data and information to identify opportunities for improvement, develops measures to evaluate the success of change initiatives, to align initiatives, to monitor program status, and to ensure that data and information are accurate, timely, and available to stakeholders throughout the organization to drive effective decisions.

To what extent does the HIV program routinely measure performance and use data for improvement?

Performance Data

 Results and associated measures are systematically shared with all stakeholders, including staff, patients and boards to elicit their input and engage them in improvement processes aligned with organizational goals.



Quality Improvement Initiatives

2012 | 2018

To evaluate how the HIV program applies robust process improvement methodology to achieve program goals and maintain high levels of performance over long periods of time.

To what extent does the HIV program identify and conduct quality improvement initiatives using robust process improvement methodology to assure high levels of performance over long periods of time?



- Diabetic Foot Exams (DFE)
 - PLAN: Medical Assistant reviews patient chart. If DFE due, patient instructed to remove socks and shoes to give provider a visual cue. Training from RN Care Coordinator. Documentation changes for consistency. Creation of a flow chart.
 - <u>DO</u>: Initiated with care team with the lowest DFE compliance rate. Intervention started on November 1, 2017.
 - **STUDY**: Prior to start, DFE compliance rate was 23.6% (15% for selected care team). January 2018, the care team had a compliance rate of 75%, and the overall DFE compliance rate at MHCC rose to 33%.
 - <u>ACT</u>: Project was refined and rolled out to all care teams. The RN Care Coordinator gathered feedback from the first MA involved. Goal to routinize into daily pre-visit planning.
 - BRAG: June 2018, the overall DFE compliance rate at MHCC has risen to 67.2% (MIHS system wide is 42%). We continue to monitor the compliance rate by MHCC care team.



Consumer Involvement

2012 | 2018 |

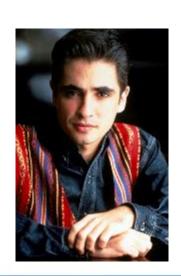
This section assesses the extent to which consumer involvement is formally integrated into the quality management program.

To what extent are consumers effectively engaged and involved in the HIV quality management program?

3 | 5

- Consumer Employees
- Non-staff Consumers





• How to engage?







Quality Program Evaluation

To assess how the program evaluates the extent to which it is meeting the identified program goals related to quality improvement planning, priorities and implementation. Is a process in place to evaluate the HIV program's infrastructure, activities, processes, and systems to ensure attainment of quality goals, objective and outcomes?

Evaluation

 Communicates evidence that QI efforts informed through this process resulted in measurable improvement.



Achievement of Outcomes

	2012	2018
o assess HIV program capability for achieving excellent results and outcomes in areas that are central to providing high quality HIV care.		
To what extent does the HIV program monitor patient outcomes and utilize data to improve patient care?	3	5
To what extent does the HIV program measure disparities in care and patient outcomes, and use performance data to improve care to eliminate or mitigate discernible disparities?		5

HIV Care Continuum

- Twice annual reporting.
- Slice and dice the data.
- End DisparitiesCollaborative
 - Disparities calculator.
 - Harder work.
 - Challenges when trying to address the Social Determinants of Health.



DON'T MAKE IT MORE COMPLICATED THAN NECESSARY!



You Got This!

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Q&A



QI Resources







Patient Satisfaction Survey for HIV Ambulatory Care





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The Game Guide

Interactive Exercises for Trainers to Teach Quality improvement in MV Care

Making Sure HIV Patient Self-Management Works #. Timbring later technique Fair HTV Carry Provident.



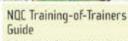
Measuring Clinical Performance:

A. Guide Fax VIVI Realth Care distanters



HIVQUAL Group Learning Guid Extense five Quality Improvenum? Exercises for IIIV Health Care Providers New York Works Separation of Books, \$405, point





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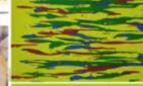
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Guideline-based Quality Indicators for HIV Care

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Partnering with Subcontractors

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Making Sure Your HIV Care is the Best It Can Be

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Planning and Implementing

a Successful Learning Collaborative

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NQC Training of Quality Leaders Guide

Facilitator Named to Build Capacity of HTV Providers to Level Quality Management Activities

New York State Department of Health-Alley Institute Names Associates and Services Address Australian (State) (Australia

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Strategies to Implement Your HIV Quality Improvement Activities

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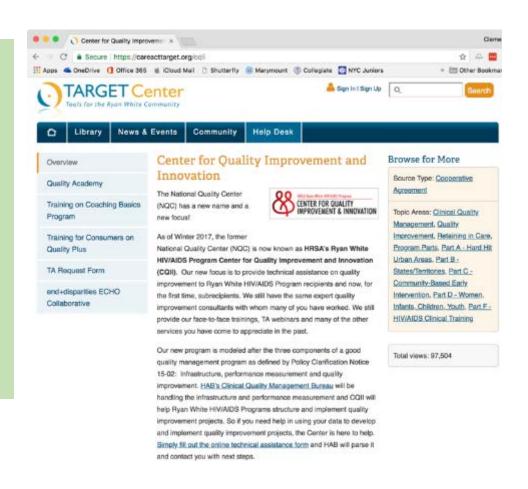
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CQII Website

- ✓ CQII QI resources are available on the TARGET Center website
- ✓ Detailed description of and access to CQII services, including Quality Academy
- ✓ Access to TA Request Form
- ✓ CQII training materials
- ✓ Overview of end+disparities ECHO Collaborative

CQII.org





Quality Academy

- ✓ In January 2007, online training course on quality improvement was launched
- ✓ Expansion of Quality Academy in 2009 (English and Spanish)
- ✓ Consists of 32 interactive tutorials, offering more than 800 training minutes and all presentation slides and notes are available for download
- ✓ Most designed to last 15-20 mins
- ✓ Over 35,000 tutorials have been taken
- ✓ Developed a Consumers in Quality section of the Academy with consumer tutorials

CAREActTarget.org/library/quality-academy





Technical Assistance Calls

- ✓ Monthly 60-minute webinars guided by a quality expert
- ✓ All calls include best practices from fellow RWHAP recipients
- ✓ A web-conference platform encourages interactions with presenters
- ✓ PowerPoint slides and live chat for allow participants to network with each other
- ✓ Webinars are recorded for later playback

One Hour a Month...





On-Site Technical Assistance

- ✓ On-site/off-site short-term technical assistance (TA) is provided to recipients
- ✓ TA is designed to help recipients implement effective clinical quality management programs
- ✓ TA Request Form is available for completion by recipients
- ✓ Submission of TA Request Form to HAB for review and approval
- ✓ CQII focus on quality improvement

CAREActTarget.org/cqm-ta-request





Advanced Training Programs

- ✓ Training-of-Trainers (TOT) Program
- ✓ Training of Quality Leaders (TQL) Program
- ✓ Training on Coaching Basics (TCB) Program
- ✓ Training of Consumers on Quality (TCQPlus) Program







NQC Training of Quality Leaders Guide

Facilitator Manual to Build Capacity of HIV Providers to Lead Quality Management Activities

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AND NATIONAL QUALITY CENTER



NQC Training-of-Trainers Guide

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Aha! Moments



Highlights & Aha! Moments

 What have been some of your personal highlights or Aha! Moments from today's session?



CQII at the RW Conference





Clemens Steinbock, CQII Director Info@CQII.org 212-417-4730

Need to find CQII after the conference? It's easy.

Mail.

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