

Population Health Information Technology

Session 1: Supporting Success in Rural Value-Based Care

April 2022



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0

Objectives

- Describe the broader context of how technology supports shifting from paying for volume to paying for value
- Discuss definitions and assumptions around technology and terminology
- Identify technologies used to support Value-Based Care (VBC) workflows

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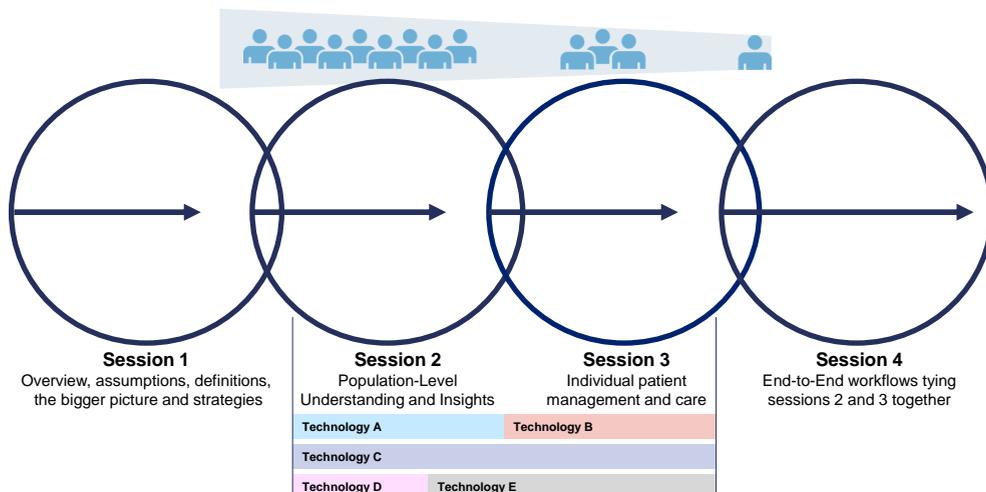


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Terminology

- Value-Based Care (VBC)
- Value-Based Payment (VBP)
- Advanced Alternative Payment Model (APM)
- Accountable Care Organization (ACO)
- Population Health Management (PHM)
- Health Information Technology (HIT)

Overview of all Sessions



Context

- VBP goals are not independent of organization mission and goals
 - Triple Aim goals:
 - improving the experience of care
 - improving the health of populations
 - reducing per capita costs of health care
- Structural and systematic disparities

COVID-19 (Pandemic) Effects on Population Health and Health IT

- Rapid adoption of telehealth to meet ongoing medical needs
 - Flexibility in how, where and when telehealth is used
- Reacting to COVID-19 while shifting to a proactive Value-Based Care model
- Population health management technologies also used to support public health emergencies

HIT for VBC: What's in the Literature?

- “ACOs: Four Ways Technology Contributes to Success”
- “Leveraging HIT for ACO Success”
- “Technology's Role in the Pursuit of ACO Sustainability”
- “ACO End-to-End Solutions Go Beyond EHR, Population Health Technology”
- “Need for HIT in ACOs”
- “ACOs: Is Technology the Solution or the Struggle?”
- “The Role of ACOs in Addressing Health Equity”

6



6

Health Information Technology (HIT): Essential...But Not Sufficient

- People
- Process
- Technology



- Start where you are
- Use what you have
- Do what you can

7



7

Elements Needed to Thrive in VBC

- Patient Experience of Care
- Care Coordination and Patient Safety
- Preventive Health
- Identifying at-risk Populations

Technology Needed for VBC to Thrive

- Build the data repository with an analytics platform
- Analyze claims data, identify outliers, including success and failures
- Combine clinical claims and quality data to identify opportunities for improvement
- Bring data to the point of care

VBC Success: Health Information Technology Tools

Rural Health Transition to Value-Based Care Toolkit

- Self-assessment for Transition Planning
- Strategic Planning
- Leadership: Board, Employee and Community Engagement
- Physician and Provider Engagement and Alignment
- Financial and Operational Strategies (and Risk Management)
- Revenue Cycle Management and Business Office (BO) Processes
- Population Health Management*
- Patient Engagement*
- Quality Improvement*
- Community Care Coordination and Chronic Care Management*

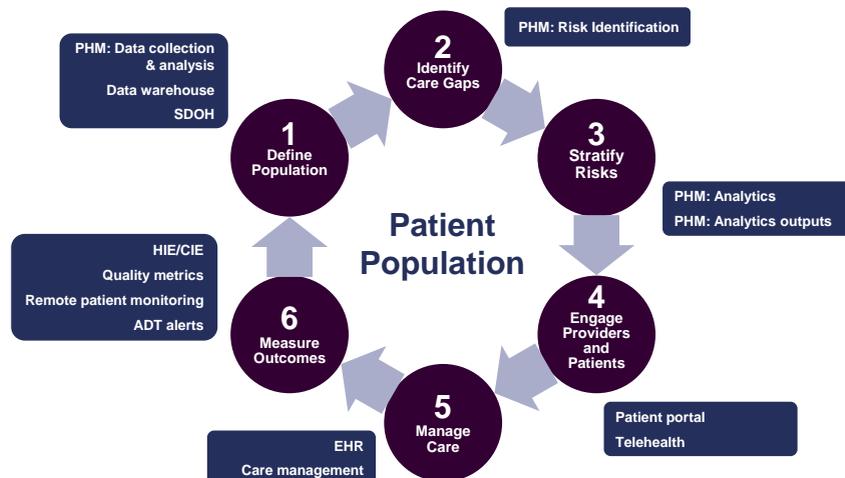
*Health Information Technology Tools (covered in sessions 2 & 3)

10



10

VBC Continual Learning and Major Steps

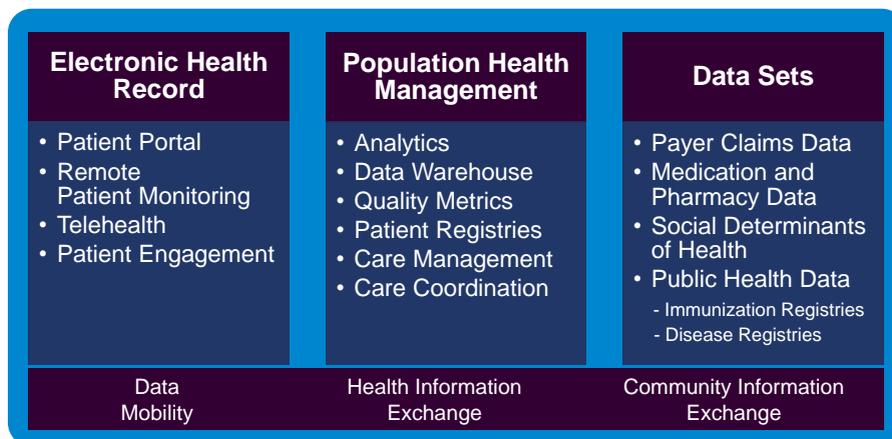


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11

The VBC Technology Ecosystem



VBC Technology Needs vs. Technologies You Have

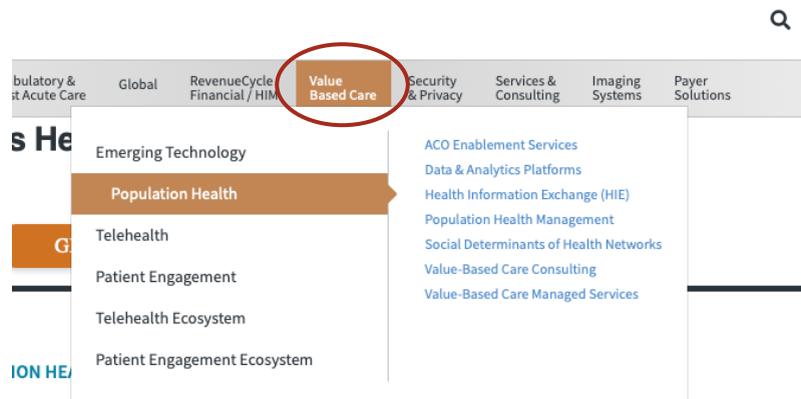
Population Healthcare Technology Matrix for Value-Based Care

VBC Activity / Task	Technologies							
	Population Analytics	Telehealth	HIE: Patient care data	HIE: ADT	EHR	Patient Portal	Remote Patient Monitoring	Others
Analytics								
Registries								
CCM (Chronic Care Mgmt)								
Patient Engagement								
Others...								

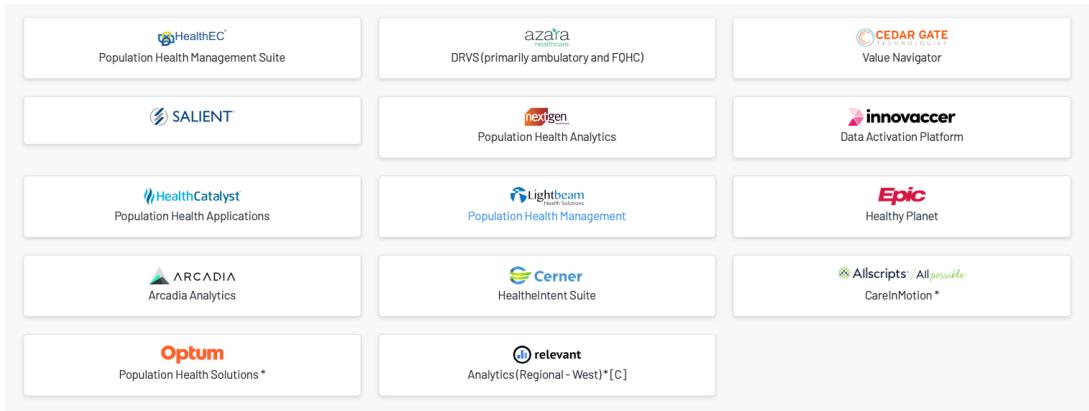
Value-Based Care Technologies

Value Based Care <small>TOP ^</small>		
ACO Enablement Services Aledade ACO Managed Services 97.3	Digital Rounding CipherHealth CipherRounds 89.3	Interactive Patient Systems pCare 90.1
Patient Experience Improvement Press Ganey Patient Experience 90.1	Patient Outreach WELL Health WELL 92.0	Patient Portals Epic MyChart 89.4
Population Health Management HealthEC Population Health Management Suite 93.5	Remote Patient Monitoring Health Recovery Solutions HRS Remote Patient Monitoring Platform 91.5	Social Determinants of Health Networks findhelp (Aunt Bertha) 89.4
Value-Based Care Consulting Premier Value-Based Care Consulting 95.6	Value-Based Care Managed Services Arcadia.io Value-Based Care Managed Services 88.2	Video Conferencing Platforms Doximity Dialer 92.3
Virtual Care Platforms (Non-EMR) Caregility Platform 90.2		

KLAS Hierarchy of VBC Topics



Population Health Management Vendor Examples



16



16

Key Questions About HIT:

- What technologies do we currently use?
- How are we using them in the fee-for-service environment?
- How can we adapt them for our VBC needs?
- What gaps do we have in HIT and what capabilities do we have 'in hand' that we are not using?
- What HIT would we need to acquire?

17



17

Summary

- Broad overview of technologies used for VBC
- Next session (2) will look at Population Health Management (PHM) technology
- Reference and Resource slides follow this final slide
- A PDF of this session is available with active hyperlinks to access references and resources

References

Slide 2: Terminology

(1) VBP Definition:

American Academy of Family Physicians (web site. Feb 2022)

<https://www.aafp.org/about/policies/all/value-based-payment.html>

(2) APM definition:

Rural Health Research (web site. Feb. 2022)

<https://www.ruralhealthresearch.org/publications/1412>

(3) Population Health Management definition:

Is There a True Definition of Population Health Management? (April 29, 2015)

<https://healthitanalytics.com/news/is-there-a-true-definition-of-population-health-management>

Slide 6: HIT for VBC: What's in the Literature?

(1) How to Get Started with a Population Health Management Program(August 25, 2016)

<https://healthitanalytics.com/features/how-to-get-started-with-a-population-health-management-program>

(2) The Role of ACOs in Addressing Health Equity. National Association of ACOs

<https://www.naacos.com/assets/docs/pdf/2021/ACOsandHealthEquityWhitePaper092121.pdf>

References cont.

Slide 8: Elements Needed to Thrive in VBC

- (1) Leveraging Health Information Technology for ACO Success (April 2, 2020)
<https://www.ajmc.com/view/leveraging-health-information--technology-for-aco-success>
- (2) Health Catalyst: Four Ways Technology Contributes to Success (Feb 14, 2019)
<https://www.healthcatalyst.com/insights/acos-4-ways-technology-contributes-success/>

Slide 9: Technology Needed for VBC to Thrive

- (1) Health Catalyst: Four Ways Technology Contributes to Success (Feb 14, 2019)
<https://www.healthcatalyst.com/insights/acos-4-ways-technology-contributes-success/>
- (2) RUPRI (the Rural Policy Research Institute)
<https://rupri.public-health.uiowa.edu/publications/policybriefs/2021/High-Perf%20Rural%20ACOs.pdf>

References cont.

Slide 10: VBC Success: Health Information Technology Tools

- (1) Top Strategies for ACO Success. Managed Healthcare Executive (Nov. 9, 2019)
<https://www.managedhealthcareexecutive.com/view/top-strategies-aco-success>
- (2) Technology's Role in the Pursuit of ACO Sustainability (Aug. 28, 2013)
<https://www.itnonline.com/article/technology%E2%80%99s-role-pursuit-aco-sustainability>

Slide 14: Value-Based Care Technologies

- (1) KLAS Research (web site. Feb. 2022)
<https://klasresearch.com/report/2022-best-in-klas-awards-software-anprofessional-services/2770#scrollTo-Value%20Based%20Care>

Slide 15: KLAS Hierarchy of VBC Topics

- (1) KLAS Research (web site. Feb. 2022)
<https://klasresearch.com>

Slide 17: Population Health Management

- (1) What is Population Health? Population Health Training in Place Program (PH-TIPP). Centers for Disease Control & Prevention (CDC)
<https://www.cdc.gov/pophealthtraining/whatis.html>

Resources

- Software for Population Health. Nov. 14, 2021 (National Rural Health Resource Center)
<https://www.ruralcenter.org/ship/events/software-for-population-health-management>
- How to get started with a Population Health Management Program". Health IT Analytics. (August 25, 2016)
<https://healthitanalytics.com/features/how-to-get-started-with-a-population-health-management-program>

Resources cont.

National Rural Health Resource Center - Population Health Toolkit

- Adopts a systems-based approach
- Modeled after the Baldrige Framework
- Performance Excellence in managing the complexities of transitioning to value-based care and payment

<https://www.ruralcenter.org/population-health-toolkit>

Resources cont.

Guide to Selecting Population Health Management Technologies

<https://ruralhealthvalue.public-health.uiowa.edu/TnR/PHMT/PHMT.php>



Resources cont.

Guide to Selecting Population Health Management Technologies

How to Use This Guide

This guide walks you through a six-step process to plan for and implement technology to manage the health of your existing patient populations.

1. [Form a Team](#)
2. [Set Goals](#)
3. [Plan for Financing](#)
4. [Develop Requirements](#)
5. [Compare Products](#)
6. [Select Vendor and Negotiate Contract](#)

Note: Before taking action with this guide, your organization should have already assessed whether to affiliate with a larger organization or network to achieve the goals of an accountable care organization (ACO) or other value-based contracting entity. These organizations may provide access to population health management technologies as part of the affiliation or networking process.

Resources cont.

Health IT Playbook

- Strategies, recommendations and best practices for health IT (HIT)
- A tool for administrators, physician practice owners, clinicians and practitioners, practice staff, and anyone else who wants to leverage health IT.
- Filled with resources

<https://www.healthit.gov/playbook/>



Resources cont.

Funding Sources for HIT

- Small Rural Hospital Improvement Program (SHIP)
<https://www.hrsa.gov/grants/find-funding/hrsa-19-020>
- Approximately \$12,000 for allowable investments
 - Purchase HIT (hardware & software)
 - Training

<https://www.ruralcenter.org/ship/allowable-investments>

Resources cont.

Funding Sources for HIT

- [Agency for Health Research and Quality \(AHRQ\)](#)
- [Health Resources and Services Administration \(HRSA\)](#), including the [Federal Office of Rural Health Policy](#) and [Bureau of Primary Health Care](#)
- The U.S. Department of Agriculture (USDA) has loan and grant programs including:
 - [Community Facilities Direct Loan and Grant Program](#)
 - [Distance Learning and Telemedicine Program Grants](#)
 - [Rural Economic Development Loan and Grant Program](#)
- Other funding opportunities supporting rural providers and HIT exist. For example, the Universal Service Administration Company (USAC) [Healthcare Connect Fund](#) aids health care providers for eligible expenses related to broadband connectivity at a flat discounted rate of 65%.
- <https://www.ruralhealthinfo.org/topics/health-information-technology#funding>



NATIONAL
RURAL HEALTH
RESOURCE CENTER

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Stratis Health is an independent, nonprofit organization founded in 1971 and based in Minnesota. Its mission is to lead collaboration and innovation in health care quality and safety and serve as a trusted expert in facilitating improvement for people and communities.