

A Strategic Vision for Becoming a Digital Payer

Alan Stein, HealthEdge



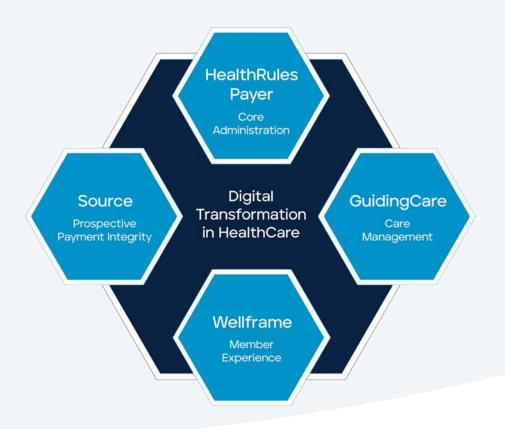
About HealthEdge

Our vision

Innovating a world where healthcare can focus on people

Our mission

To drive a digital transformation in healthcare through transaction automation and the enablement of real-time business and clinical engagement among healthcare payers, providers, and patients.





A time for rapid transformation

With modern digital transformation solutions in place, health plans are leading the way to a more connected, consumer-centric healthcare marketplace.

- Consumer buying behaviors being shaped by retail experiences
- New market entrants setting new standards for consumer-friendly experiences
- Increasing availability of data sources and maturing interoperability standards facilitating line of sight
- Growing participation in Medicare Advantage, Medicaid, and individual marketplaces







Delivering transformational outcomes



Support transformation



Regulatory support

Remain agile, adaptable, and accurate in an ever-evolving regulatory landscape



Integrated end-to-end advanced automation

Automation and accuracy at the core of every process and workflow



Expand to new markets

Lead with industry changes and beat the competition to market



Value-based care

Manage and support VBC contracts, keep pace with market demands



Member engagement

Exceed consumer expectations by providing a digital healthcare experience





Regulatory support

Stay up-to-date and compliant with the latest rules and regulations, automatically

GuidingCare

- Tracked changes and updates to state/federal program, reporting, and auditing requirements
- OOB CMS-compliant Audit and Part C/D reports plus self-service custom reporting
- Support for Regulatory audits/surveys, NCQA & URAC (utilization) review accreditation
- NCQA Certified for HEDIS measures and Pre-Validated for Population Health Management since 2018

Wellframe

- Secure, HIPAA-compliant messaging between care managers and members
- Configurable, customizable programs and assessments aligned with state requirements
- Direct member access to NCQA-aligned health and risk assessments
- Real-time insights and alerts help care teams effectively identify gaps in care and improve HEDIS performance



Regulatory support Maximum customer value

Today, it's critical for health plans to react to regulatory changes and CMS mandates to avoid sanctions, potential fines, and remain competitive.

The HealthEdge Solution Suite delivers integrated, real-time data that enables payers to stay ahead of the curve, remaining agile in an ever-evolving regulatory environment.

Our technology solutions automate access to real-time data, ensuring regulatory compliance so health plans can save time, resources and streamline internal processes.







Integrated end-to-end advanced automation

Core claims administration, pricing, editing, and care management systems

GuidingCare

- API integration suite with 75+ unique vendors for all use cases
- Automation tools proactively build and sustain robust member care plans
- Best-in-class rules engine automates business processes and workflows
- Streamline and consolidate full appeals management process across all levels and reviewers

Wellframe

- Mobile delivery of 70+ pre-developed, automated care programs
- Web-based staff dashboard with member prioritization, templated messaging, and 1-to-many workflows
- Auto-generated SDOH and clinical risk survey questions and assessments routinely surfaced to members
- Direct member access to self-service risk assessments





Integrated end-to-end advanced automation

Maximum customer value

Health plans rely on automated, accurate processes to significantly reduce manual intervention and operational costs.

With the fully integrated and automated HealthEdge suite of products, health plans can dedicate saved time and resources to other innovative initiatives and improve accuracy.







Expand to new markets

Give customers the tools to expand and compete with improved time to value

GuidingCare

- End-to-end solution with flexibility and scalability
- Highly configurable for specific health plan needs and wants
- Consolidated member information in a single, comprehensive care record
- Built to scale to millions of member records, millions of transactions per week and 10K+ concurrent users

Wellframe

- On-demand member content and benefits resources, plus digital customer service advocacy solutions
- Enables health plans ownership of the member relationship, mitigating competition
- Proven 6x increase in member interactions and double the staff capacity for active caseload size



Expand to new markets Maximum customer value

HealthEdge offers the most configurable, highly automated suite of products that enables health plans to enter new markets and modernize their ecosystem to be more agile and adaptable to change.

Enter a new geography, launch a new line of business, or expand an existing line of business faster than ever before.







Value-based care

Optimize resources to focus on who and what matters most

GuidingCare

- Facilitates complex workflows to manage care plans in value-based arrangements
- Intuitive gaps-in-care analytics identify high-risk patients and potential health improvement opportunities
- Evaluate performance across configurable measure sets such as HEDIS and Star ratings, plus state and custom measure sets

Wellframe

- Assigned programs focused on whole person health and improved care outcomes
- Proven ROI in utilization management outcomes, with a 17% reduction in inpatient admissions* and 23% increase in preventive medicine utilization*
- Builds framework for assessing target population and managing clinical needs



Value-based care Maximum customer value

From setting up value-based arrangements, to accurately pricing value-based claims, to implementing value-based care plans, HealthEdge offers these capabilities in one place.

Health plans that want to remain competitive and win new business need to support value-based arrangements at every touchpoint in their ecosystem and have access to relevant data outputs for internal and external tracking and analysis.







Member engagement

ONE solution suite to facilitate improved member engagement

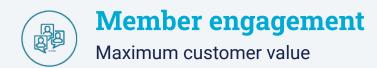
GuidingCare

- Drives secure member communication with their designated care team
- Mobile clinician application enables offline access for care management staff in the field, enabling connection to members anytime, anywhere
- Designed to meet NCQA health plan guidelines for Member Self-Management
- View care plan goals and actions, access personal health records, track health and wellness data, complete health assessments, and more.

Wellframe

- Enables highest needs members to get access and support outside of traditional care delivery settings
- Omni-channel communication seamlessly connects members to designated care teams, with an average of 34 digital touchpoints per member per month
- Self-service digital resources empower members to proactively reach their health and wellness goals
- Modern user experience increases both member satisfaction and engagement





The health insurance industry is experiencing unprecedented disruption from consumers whose behaviors are being shaped by their retail experiences. In a world where consumers are free to choose their health plans, payers need to focus on streamlining the member experience and improving outcomes.

The HealthEdge solution suite's focus on real-time data transparency and consumer centricity keep the member at the heart of every decision we make.







Quality Insights & Regulatory Update

Amy Bannister, Director, Clinical Operations, HealthEdge Sarah Anderson, Director, Clinical Operations, HealthEdge

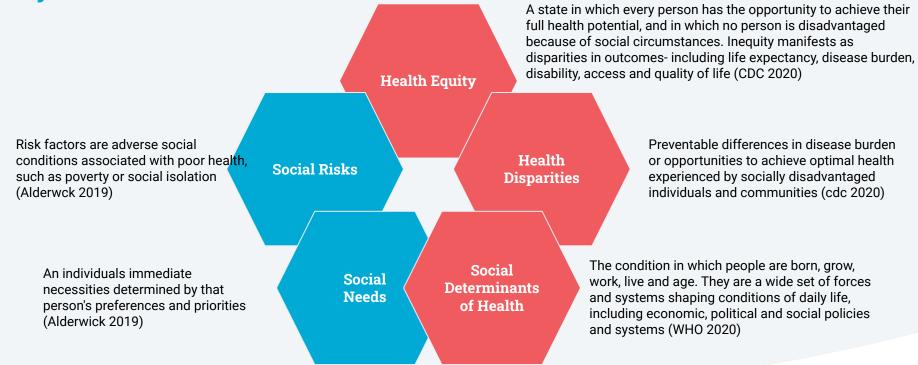


Objectives

- 1 Star Ratings and Health Equity
- 2 HEDIS Measures
- 3 Focus on member experience
- Discussion: How do you define member engagement?



Key terms





Health Equity is the absence of disparities

Economic Stability	Neighborhood & Physical Environment	Education	Food	Community, Safety, & Social Context	Health Care System
 Employment 	Housing	Literacy	 Food security 	Social integration	Health coverage
Income	 Transportation 	Language	 Access to 	Support systems	Provider &
• Expenses	• Parks	• Early childhood	healthy options	 Community engagement 	pharmacy availability
DebtMedical bills	Playgrounds Walkability	education		• Stress	 Access to linguistically and
• Iviedical bills• Support	WalkabilityZip code/ geography	Vocational trainingHigher Education		 Exposure to violence/trauma 	culturally appropriate &
				 Policing/justice policy 	respectful careQuality of care



Health Disparities

Preventable differences in disease burden or opportunities to achieve optimal health experienced by socially disadvantaged individuals and communities

Mortality

- The gap between black and white men remains, it has narrowed for urban areas but widened in rural areas (National Academy of Sciences)
- Less educated individual of any race are more likely to die from colorectal cancer before age 65 (National Cancer Institute)

Life expectancy

- 20th Century started with a 14-year gap between white and black Americans brought down to 4 years in recent studies
- COVID changed this: the average life expectancy is down 1 year for everyone but for Black and Latino populations the reduction is 4 times higher on the average (National Academy of Science)

Burden of disease

- Black and Hispanic populations are more likely to have asthma than other U.S. residents with Puerto Ricans have the highest rate of asthma compared to any other racial group
- American Indians/Alaska Natives have the highest rates of diagnosed diabetes
- Rural Appalachian regions see higher rates of colorectal, lung and cervical cancers than other parts of the U.S., according to the National Cancer Institute.



Health Disparities

Mental Health

- 1 in 5 US Adults (51.5 Million people) lived with a mental illness in 2019 (NIMH)
- 70% of young people in the juvenile justice system have been diagnosed with a mental illness. (National Center for Youth Opportunity and Justice)
- Gender disparities exist: 24.5% of women vs 16.3% of men live with a Mental Health Illness (NIMH)

Uninsured/underinsured

- Before the Affordable Care Act (ACA) 1 in 3 Hispanic Americans and 1 in 5 Black Americans were uninsured
- States with the largest populations of Black Americans have disproportionately higher rates of uninsured people
 - Largely due to the lack of Medicaid coverage under ACA in those states

Lack of access to care

- Individuals from certain racial and ethnic groups, people who come from low-income backgrounds, and individuals who live in rural areas often face barriers to accessing health care in the U.S.
- The low-income, rural Appalachian region has fewer mental health providers and fewer specialty physicians than the rest of the nation — 35% and 28% fewer, respectively
 - Telehealth may improve health care access, but internet subscription rates in the region are lower than in the rest of the country



Star Ratings: The basics

In 2011, CMS created the Star Rating System to help consumers compare the performance and quality for Medicare Advantage Plans and Medicare Prescription Drug Plans.

Medicare Plans are rated on a scale of one (1) to five (5) stars with a 5 Star Rating being the highest score a plan can receive

Star Ratings are tied to payment, bonus and revenue

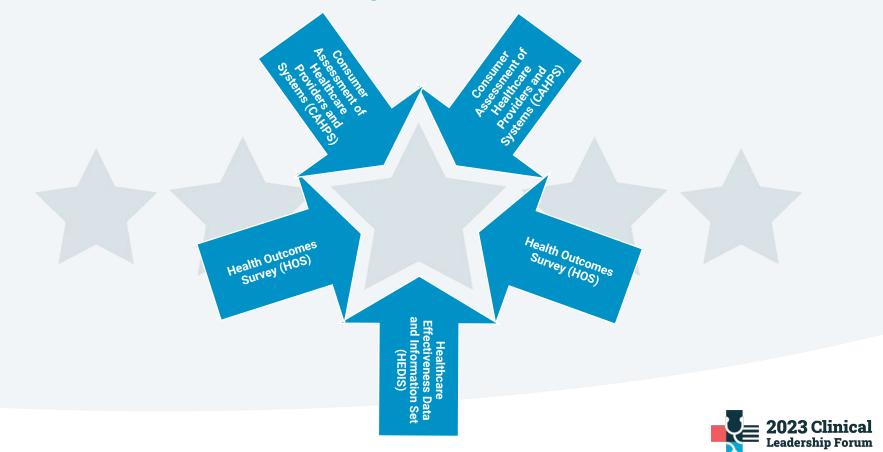
LOB: Medicare Advantage; Medicare Part D and Dual Eligible Special Needs Plans (DSNP)

The 3.5 million Dual Eligible Special Needs Plan members are considered the hardest to reach

The Star Rating cycle has a two-year lag between the performance and rating period. For example, the measurement period for 2023 ratings primarily occurs in 2021.



Medicare Part C & D Star Ratings: Source



Advancing Health Equity – CMS Proposed Changes

Member Experience & Outcome

- Reduce the weight of patient experience/ complaints and access measures to further align with Pt C and D quality Rating System
- Health Equity Index (HEI) reward

Digital Health Literacy

- Identify and offer digital health education to enrollees with low DHL and ensure access to medically necessary covered telehealth benefits
- Access to internet and members ability to sort through the information
- Cultural perceptions

Improve Language Accessibility

- Identify member language in HRA's, encounter calls
- Plans must provide ongoing materials in all languages spoken by 5% in the service area
- Once a member's language is known, must provide required materials in that language
- Poor communication from health plan is a major reason why members leave

Culturally Competent Care

 Further clarification of current requirement: Expanded the list of populations



2024 Proposed Calculation Changes

Removal of bi-directional guardrails caps

Tukey Outlier Deletion was Reinstated

Modified the Improvement Measure Hold Harmless Policy

Removal of Star Ratings Measures when measure steward outside of CMS retires a measure

Removal of the 60 percent rule that is part of the adjustment for extreme and uncontrollable circumstances (AKA the disaster adjustment)



2024 Proposed Changes

Utilization Management Requirements

- Use of Criteria, Treatment Guidelines and Physician Reviewers
- Streamline prior authorization requirements
 - Use of prior authorization policies for coordinated care plans
 - plans must provide a minimum
 90-day transition period
 - all MA plans establish a Utilization Management Committee

Marketing Requirements

- Prohibiting ads that do not mention a specific plan name
- Prohibiting ads that use words and imagery, such as the Medicare name or logo
- Limits on member contact

Network Adequacy for Behavioral Health

- Improving access to Behavioral Health
- Adding additional provider types
- General Access to services standards explicitly include BH Services
- Codify standards for appointment wait times
- Parity in emergent situations





HEDIS Measures

A look at the current and future state of HEDIS

HEDIS Measures: The Basics



Healthcare Effectiveness Data and Information Set (HEDIS)

- Developed and maintained by the National Committee for Quality Assurance (NCQA)
- Comprehensive set of standardized performance measures
- Measures performance on important dimensions of care & services to improve member lives
- Over 90 measures available across 6 domains of care
- Used by 90% of U.S. health plans
- Center for Medicare & Medicaid Services (CMS) contracts with NCQA to collect HEDIS measures for Special Need Plans (SNPs)
- More than 200 million members are enrolled in plans reporting HEDIS results
- Updated annually



HEDIS AA Certification



HEDIS rules for Allowable Adjustments (AA) Certification

- Provided the ability for various levels of the health care system to initiate quality improvement initiatives
- Allows flexibility for evaluating different populations without altering measures' clinical content
- i.e., removal of continuous enrollment or product line criteria
- Demonstrates to customers the out of box measures meet NCQA standards and provide accurate and comparable results

Benefits of being a NCQA Certified vendor

- Demonstrate accuracy and data integrity
- Helps our customers become more efficient by providing accurate calculations
- Confirms that we are a trusted NCQA partner



Addressing Health Equity with HEDIS

Goal

- Bring transparency to inequities in health care quality
- Promote inclusive approaches to measurement and accountability
- Address social needs and risks to improve health outcomes
- Incentivize equity with benchmarks and performance scoring

Implementation Strategy

- Race & Ethnicity Stratification reporting
 - Introduced in MY 2022 for 5 measures
 - 8 additional measures added for MY 2023
- Social Needs Quality Measurement
 - New MY 2023 measure to capture SDoH gaps and interventions
- Gender-inclusive language
 - 8 measures updated MY 2023



HEDIS MY 2023 updates

New measures

- Oral Evaluation, Dental Services (OED)
- Topical Fluoride for Children (TFC)
- Deprescribing of Benzodiazepines in Older Adults (DBO)
- Emergency Department Visits for Hypoglycemia in Older Adults with Diabetes (EDH)
- Social Need Screening and Intervention (SNS-E)

Changes to Existing Measure

 Adult Immunization Status (AIS-E) aligns with new pneumococcal vaccination guidelines

Retired measures

- Annual Dental Visit (ADV)
- Frequency of Selected Procedures (FSP)
- Flu Vaccinations for Adults Ages 18-64 (FVA)
- Flu Vaccinations for Adults Ages 65 and Older (FVO)
- Pneumococcal Vaccination Status for Older Adults (PNU)

Optional exclusions are now required exclusions to improve consistency

Gender inclusive language added for measures referencing pregnancy or deliveries

Race and Ethnicity Stratification expansion

Electronic Clinical Data Systems (ECDS) Reporting expansion

Breast Cancer Screening (BCS Administrative) replaced by BCS-E



Proposed HEDIS MY 2024 & MY 2025 changes

Retire measures

- Ambulatory Care (AMB)
- Inpatient Utilization General Hospital/Acute Care (IPU)
- Non-Recommended Cervical Cancer Screening in Adolescent Females (NCS)
- Antidepressant Medication Management (AMM)
- Medical Assistance with Smoking and Tobacco Use Cessation (MSC)
- Use of Spirometry Testing in the Assessment and Diagnosis of COPD (SPR)
- Care for Older Adults Pain Assessment Indicator (COA)

Revise Diabetes related measures

Removal of telehealth visits from Pediatric measures (W30, WCV)

Increase transition from Administrative-only measures to ECDS-only reporting measures

Expand Race and Ethnicity Stratifications

Advance Gender-Inclusive language

Measure Template improvements to align with digital direction of HEDIS

Continue goal of transitioning all measures to Digital Quality Measures (dQMs)

NCQA's Digital Content Services

 Cloud-based, configurable software product with a built-in measure processing engine





Member Experience

Improving outcomes

Enhancing the member experience

How do we move the needle on the member experience?

Health Plan is there when the member needs them...not just when the health plan needs the member

Multiple channels of communication

• Web, App, Phone, Mail, Portal

Thoughtful, strategic outreach and follow up

 Make informed calls to member after appointments or procedures and at pre-agreed upon intervals

Simple, streamlined member service experience – minimize transfers or call backs

 Know your members experience when contacting Member Service

Identify members that are NOT engaged

- Claims Data
- Encounter Data
- Failed Outreach Attempts

Outcomes tied to member experience

- Consider the value of an annual wellness visit
- Mock surveys that mimic CAHPS surveys



Member Experience as defined by the member:

Consciously or unconsciously, the member view of their health care experience can be formed by the following factors:

- How they perceive or experience their illness
- What they have heard about their illness from family, friends or media (subjective influence)
- Perception of quality of the healthcare that they are receiving
- The quality of the response that they receive from their health plan or provider

- Their perception of the "Politics" of their health plan
- Their Digital Health Literacy
- Ease of healthcare access





Open discussion

What capabilities should you expect from your partner?

How does GC support member engagement, HEDIS measures, Star measures.....

Robust reporting

- Ability to develop and deploy Quality Improvement projects
- Identify unengaged members

Member demographic

 Stratification by geographical location, gender identity, race, & ethnicity

Detailed HRAs that drive the Plan of Care & Service Plan

 Member/Caregiver responses to surveys populate goals and interventions and identify care needs

Real time referrals to SDoH providers

 Full integration with Social Care Providers to manage members with unmet social needs

Gap in Care monitoring and closure

Member surveillance for Care Gaps and ongoing measure adherence

Program identification and management

Automated member identification for complex and disease management programs

Integrated educational content

 Ability to send electronically and by mail to member

Support Interdisciplinary Team Management

Fully integrated Provider Portal



What is working and where do you need help? (open discussion)

What initiatives have you instituted this year that drive member engagement?

What barriers do you face?

How could software help you close any gaps that you face?





Wellframe + GuidingCare: Key Capabilities of the Integrated Experience

Basil Hayek, Wellframe

Bobby Sherwood, GuidingCare



GuidingCare provides mission-critical workflow solutions to health plans that drive superior outcomes in a value-based, patient-centric ecosystem

Complex Member-Centric Pay End User **Ecosystem**

Provider End User

Care Management



- Streamline coordination
- Automate care and service planning
- · Available in Mobile iOS and Windows Mobile

Utilization Management



- Automate authorization & decision workflows
- Automate complex correspondence requirements

Appeals & Grievances



- Manage tightly regulated appeals lifecycle
- Track completion of each task against timeline

Predictive **Analytics**



- Model
- HCC Risk Model
- Identify high-risk



- Embedded
- population

Provider Portal



- · Supports full automated prior authorization workflow
- Certified integrations with InterQual and MCG

Social **Determinants** of Health



- · Track and measure members' progress and report on outcomes
- Identify resources for addressing social challenges

Referral Management



- · Ensure members have access to the right services at the right time
- Track compliance and outcomes

Population **Health Mamt**



- · Direct link to care transitions
- · Access to missing quality gaps by providers

This is GuidingCare®

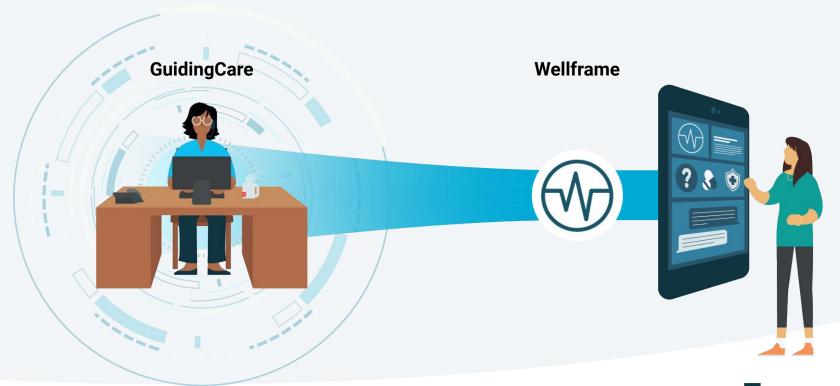


Wellframe's dashboard provide internal teams with the insights and tools needed to engage members through a mobile app





Care management doesn't end with the care manager







Integration Approach



Care-Wellframe Integration

> The problems we're solving



With high nurse turnover and attrition rates, care managers are stretched to capacity and have limited time for outreach to the highest needs patients Care Managers must juggle and access multiple systems to gain the care information they need and directly engage with members A lack of consistent support for the most complex members, who are typically the hardest to engage, can result in higher medical costs and poorer health outcomes Member questions regarding their care plans or coverage require time-intensive, synchronous interactions with their care manager Traditional communication methods between care managers and members are highly episodic, increasing administrative burden and the chance of errors



Care-Wellframe Integration

Care-Wellframe is the productized data exchange between GuidingCare and Wellframe that enables the continuous facilitation of care management and member engagement processes between the platforms.

- GuidingCare users have seamless access to Wellframe alerts and insights data, enabling them to quickly provide support and respond to critical member needs
- Seamless interaction with members via built-in chat and self-service assessments enables Care Managers to increase their panel size and impact outcomes
- Increased transparency and access allow members to more actively participate in their care plan, improving their overall health





Workflow Integration Vision

Goal: Increase staff efficiency and member engagement through an integrated workflow

Engagement	Assessment	Care Plan	Continuation
Staff receives Alerts & Insights from	Completed Assessments may	GuidingCare Staff construct member's	Staff continues to engage member until
GuidingCare Staff can reach out to	automatically trigger additional assessments via GuidingCare	to member via Wellframe	case is closed Staff can re-enroll the member if/when
member via chat to resolve issues from within GuidingCare	Completed Assessments may automatically trigger Care Plan elements in GuidingCare	acknowledges Care Plan and, by completing tasks in Wellframe, their Goals are	identified for re-engagement
	Staff receives Alerts & Insights from Wellframe directly in GuidingCare Staff can reach out to member via chat to resolve issues from	Staff receives Alerts & Insights from Wellframe directly in GuidingCare Staff can reach out to member via chat to resolve issues from within GuidingCare Completed Assessments may automatically trigger Care Plan elements in	Staff receives Alerts & Insights from Wellframe directly in GuidingCare Staff can reach out to member via chat to resolve issues from within GuidingCare Completed Assessments may automatically trigger additional assessments via GuidingCare Care Plan and send to member via Wellframe Member acknowledges Care Plan and, by completing tasks in Wellframe, their



Integration Roadmap



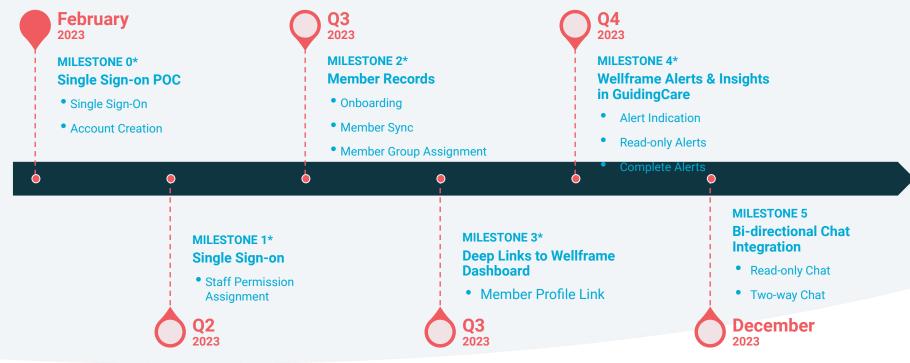
High-level Roadmap

	11011		Near Scoping in progress		Next Next up for scoping	
Release	Care-Wellframe Foundation		Care-Wellframe 1.0 Q4 2023		Care-Wellframe 2.0 2024	
Key Capabilities	Staff SSO & Account Creation Staff Permission Assignment	• Member Records	Wellframe Alerts & Insights in GC Deep Links to WF Dashboard	• Bi-directional Chat Integration	Programs Assessments Care Plans	
Value	Technical foundation that enables development of use cases that drive member engagement and staff efficiency. Care managers can navigate into Wellframe using their existing credentials.		Members can use the Wellframe mobile app to chat with care managers, allowing them to engage at their convenience and have clinical guidance at their fingertips. Care managers can proactively respond to alerts and insights triggered by a member's activity and efficiently send targeted outreach to members. Health plans see increased efficiency and member engagement due to the use of digital channels.		Members can use the Wellframe mobile app to independently complete health assessments as well as review care plan details, increasing engagement with their care. Care managers can efficiently support and effectively engage larger panel sizes and health plans can increase the overall population of members receiving care management services.	



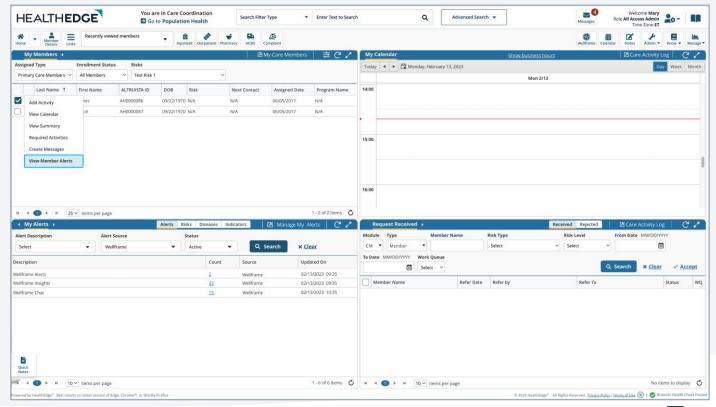
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Care-Wellframe 1.0 Milestones



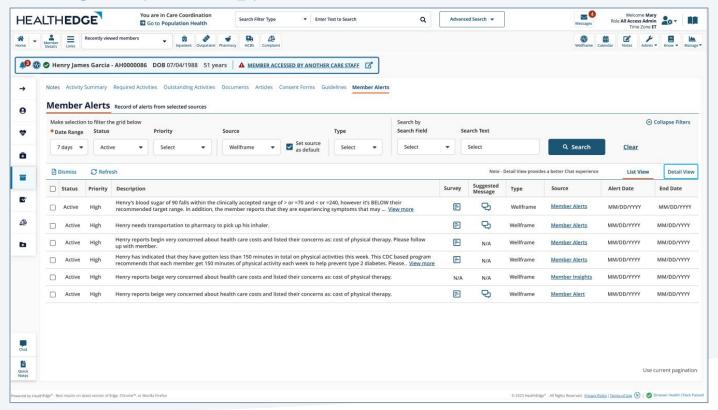


Staff Dashboard (Mockup)



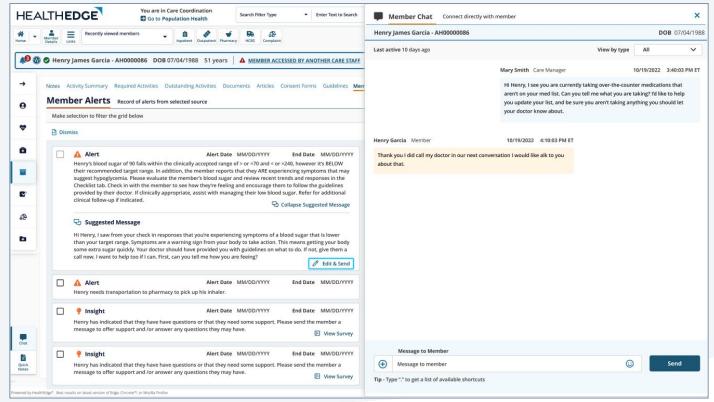


Alerts & Insights (Mockup)





Alerts & Insights with Chat (Mockup)







Engagement by the Numbers

Data-driven Approaches to Care Program Design

Marie Claire "MC" Guglielmo, Wellframe

Stacie Cassat Green, Harvard University



What are the challenges with self-directed learning?



Completion rates of self-directed learning

National Research

3.13%

National average

Wellframe Programs



Caregiver support



Chronic back pain



Prediabetes support



1. Data

2. Clinical

3. Pedagogy

Customer Feedback

Analytics

Clinical Guidelines

Understanding

Desired Action or Behavior Change

Storytelling / Empathy



- 1. Data
- 2. Clinical
- 3. Pedagogy

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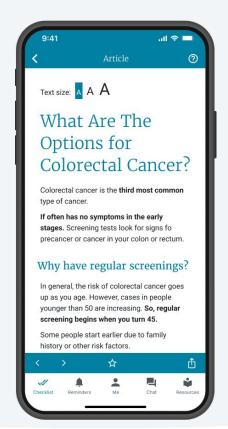
Clinical Guidelines

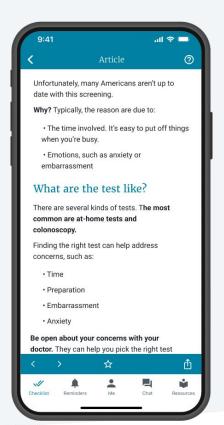
Understanding

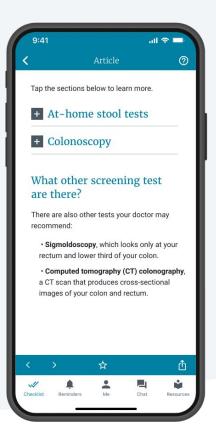
Desired Action or Behavior Change

Storytelling / Empathy

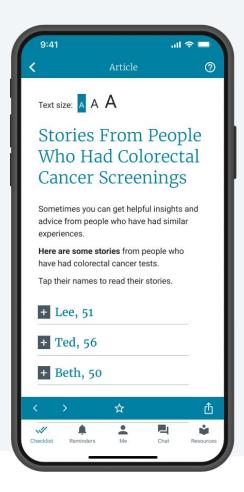












- Lee, 51

My job makes it hard for me to take time off for a colonoscopy and the prep that's involved. So my doctor recommended doing the test at home. The test kit made it easy. There were clear directions on how to take the stool sample, and it came with a container that fit inside my toilet. The whole thing took about 15 minutes.

Beth, 50

I come from a very conservative family, and the whole idea of having a colonoscopy was just too embarrassing for me. I heard about at-home tests, so I asked my doctor about it when I turned 50. No one in my family has had colorectal cancer, so she said I was a good candidate. What a relief.

- Ted, 66

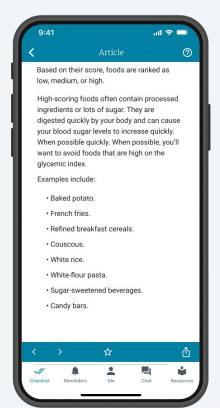
I had 2 polyps removed during my recent colonoscopy. The biopsy showed that 1 of them had some precancerous cells. My doctor told me that since they were removed at such an early stage, there was no need for any further treatment. I'm very glad I didn't put off getting tested.

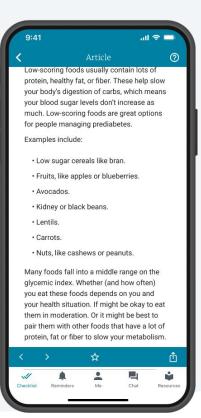
- Lucy, 54

Look, preparation is never going to be fun, but getting cancer is much worse. Put on a movie, use wet wipes when going to the bathroom instead of toilet paper (trust me), and remind yourself that this is just 1 day in your life.













Food	GI	Serving Size	Net Carbs	GL
Peanuts	14	4 oz (113g)	15	2
Bean sprouts	25	1 cup (104g)	4	1
Grapefruit	25	1/2 large (166g)	11	3
Pizza	30	2 slices (260g)	42	13
Lowfat yogurt	33	1 cup (245g)	47	16
Apples	38	1 medium (138g)	16	6
Spaghetti	42	1 cup (140g)	38	16
Carrots	47	1 large (72g)	5	2
Oranges	48	1 medium (131g)	12	6
Bananas	52	1 large (136g)	27	14
Potato chips	54	4 oz (114g)	55	30
Snickers Bar	55	1 bar (113g)	64	35
Brown rice	55	1 cup (195g)	42	23
Honey	55	1 tbsp (21g)	17	9
Oatmeal	58	1 cup (234g)	21	12
Ice cream	61	1 cup (72g)	16	10
Macaroni and cheese	64	1 serving (166g)	47	30
Raisins	64	1 small box (43g)	32	20
White rice	64	1 cup (186g)	52	33
Sugar (sucrose)	68	1 tbsp (12g)	12	8
White bread	70	1 slice (30g)	14	10
Watermelon	72	1 cup (154g)	11	8
Popcorn	72	2 cups (16g)	10	7
Baked potato	85	1 medium (173g)	33	28
Glucose	100	(50g)	50	50

GI, GI Diet, GI Diet Recipe, Low GI Food, Glycemic Index, Glycemic Index, Glycemic Index Diet, Glycaemic Index

Beans baby lima 32 baked 43 black 30 brown 38 butter 31 chickpeas 33 kidney 27 lentil 30 navy 38 pinto 42 red lentils 27 split peas 32 soy 18

Breads bagel 72

croissant 67 Kaiser roll 73 pita 57 pumpernickel 49 rye 64 rye, dark 76 rye, whole 50 white 72 whole wheat 72

waffles 76 Cereals All Bran 44 Bran Chex 58

Cheerios 74 Corn Bran 75 Corn Chex 83 Cornflakes 83 Cream of Wheat 66 Crispix 87 Frosted Flakes 55 Grapenuts 67 Grapenuts Flakes 80 Life 66 Muesli 60 NutriGrain 66 Oatmeal 49 Puffed Wheat 74 Puffed Rice 90

Rice Bran 19 Rice Chex 89

Rice Krispies 82

Special K 54

Team 82

Total 76

Swiss Muesli 60

Shredded Wheat 69

Cookies

Graham crackers 74 oatmeal 55 shortbread 64 vanilla wafers 77

Crackers

Kavli Norwegian 71 rice cakes 82 rye 63 saltine 72 stoned wheat thins 67 water crackers 78

Desserts

angel food cake 67 banana bread 47 blueberry muffin 59 bran muffin 60 danish 59 fruit bread 47 pound cake 54 sponge cake 46

Fruit

apple 38 apricot, canned 64 apricot, dried 30 apricot jam 55 banana 62 banana, unripe 30 canteloupe 65 cherries 22 dates, dried 103 fruit cocktail 55 grapefruit 25 grapes 43 kiwi 52 mango 55 orange 43 papaya 58 peach 42 pear 36 pineapple 66 plum 24 raisins 64 strawberries 32

strawberry jam 51

watermelon 72

Grains barley 22 brown rice 59 buckwheat 54 bulger 47 chickpeas 36 commeal 68 couscous 65 hominy 40 millet 75 rice, instant 91 rice, parboiled 4 rye 34 sweet corn 55 wheat, whole 41 white rice 88

Juices agave nector 11 apple 41 grapefruit 48 orange 55 pineapple 46

Milk Products

chocolate milk 34 ice cream 50 milk 34 pudding43 soy milk 31 yogurt 38

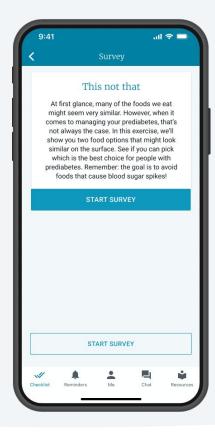
Pasta

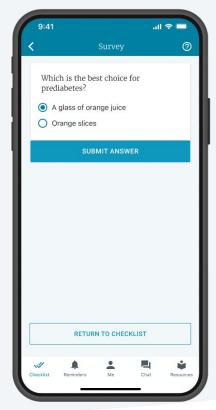
brown rice pasta 92 anocchi 68 linguine, durum 50 macaroni 46 macaroni & cheese 64 spaghetti 40 spag, prot, enrich, 28 vermicelli 35

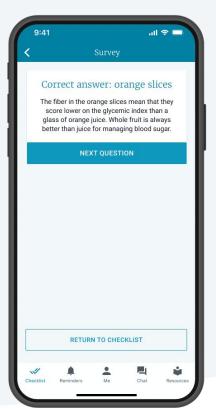
Sweets

honey 58 ielly beans 80 Life Savers 70 M&M's Choc. Peanut 33 Skittles 70 Snickers 41

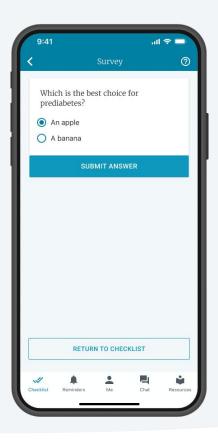


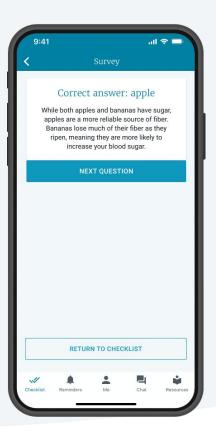




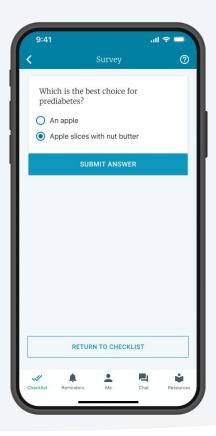


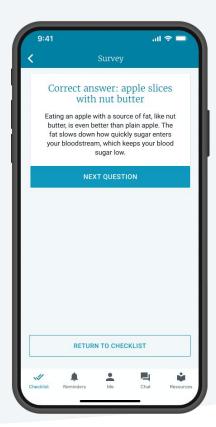














[SCENARIO: ROAD TRIP]

You are on a road trip and were not able to pack your own food. It is lunchtime and you are hungry, but the only places to stop are gas stations and truck stops. Pick the best lunch for managing your blood sugar:

- A. String cheese, potato chips, and almonds [CORRECT]
- B. String cheese, pretzels, and granola bar
- C. Hot dog, pretzels, and banana
- D. Low-fat vanilla yogurt, banana, and almonds

FEEDBACK:

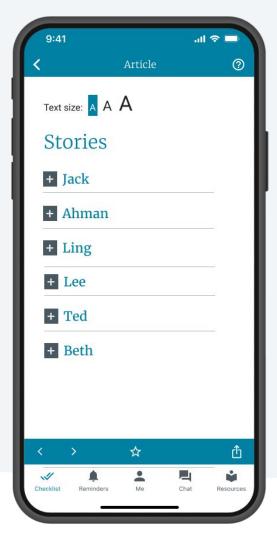
A. This is the best choice. While not nutritious, the fat in potato chips reduces the impact of the sugar in the potatoes, and can be fine in small servings when trying to manage blood sugar. The fat and protein in string cheese and almonds also help stabilize blood sugar.

B. This is not the best choice. Granola bars are often high in sugar, despite being marketed as healthy choices. Pretzels are also high in carbs. Eating these two together will likely cause your blood sugar to spike. The best choice is string cheese, potato chips, and almonds. It might surprise you that potato chips were included in the best choice. While not nutritious, the fat in potato chips reduces the impact of the sugar in the potatoes, and can be fine in small servings when trying to manage blood sugar.

C. This is not the best choice. People with prediabetes are often surprised to learn that bananas are actually high in sugar. There are about 14 grams of sugar in 1 banana. Not only that, but the pretzels are high in carbs. Eating these two together will likely cause your blood sugar to spike. The best choice is string cheese, potato chips, and almonds. It might surprise you that potato chips were included in the best choice. While not nutritious, the fat in potato chips reduces the impact of the sugar in the potatoes, and can be fine in small servings when trying to manage blood sugar.

D. This is not the best choice. While you may think of a banana and yogurt as healthy, they are not good choices for people with prediabetes. A serving of vanilla yogurt has about 33 grams of sugar and a banana has 14 grams of sugar, so 47 grams in total. That's more than most candy bars! The best choice is string cheese, potato chips, and almonds. It might surprise you that potato chips were included in the best choice. While not nutritious, the fat in potato chips reduces the impact of the sugar in the potatoes, and can be fine in small servings when trying to manage blood sugar.





Ahman

When I got my diagnosis, my doctor referred me to a nutritionist. The biggest surprise for me was how important it is to pair some healthy fat with carbs and protein – I had no idea! I love cheddar cheese and apple slices for snacks now

- Ling

I have a terrible sweet tooth – I used to crave a sweet after every meal. After my prediabetes diagnosis, I realized I had to stop sugary desserts altogether as just a bit made me want the whole thing. It was interesting – about a month after quitting desserts, I realized I didn't crave the sugar anymore. I had a bite of birthday cake at a party the other day and it was too sweet! Between giving up dessert and make sure to walk around more each day, my blood sugar is at the high end of normal. This year, my goal is the exercise more to get it solidly in the normal range.



Optimal Motivation: 3 Psychological Needs

Competence | Autonomy | Drive to relate





"People are by nature active and self-driven, curious, and interested, vital and eager to succeed because success is personally satisfying and rewarding."

-Edward Deci and Richard Ryan, "Facilitating Optimal Motivation and Psychological Well-Being Across Life's Domains"



The Concept of "The First Date"







Making Sense of Healthcare Consumerization:

What Do Your Members Really Want?

Christine Davis, HealthEdge

Alyssa Alsheimer, Wellframe



What we'll cover

2023 Consumer Trends and Survey Overview

Overarching Consumer Satisfaction

Which groups are more or less satisfied, and Why

What members want in 2023 from their health plans

What this means for Clinical Leaders



Customers are in control



Medicare Advantage

- Twenty new payers entered the market in 2022
- Medicare Advantage has had 8-10.5% YOY growth
- In 2022, the average
 Medicare beneficiary has access to 39 Medicare
 Advantage plans.

 Expected higher in 2023



Medicaid/ CHIP

- Total Medicaid has grown 29.5% from Feb 2020, an increase of 19M
- 100M expected in 2023 Medicaid/CHIP
- 8% projected will leave the program despite remaining eligible due to difficulty navigating the renewal process, understanding benefits, and language barriers



Dual Eligible

- Dual Eligible is currently 12M individuals, \$330B, 7.3% Growth
- Dual Enrolled is 4.5M Individuals, \$90B,
 2.5% Growth
- An estimated 250,000 dual-eligible individuals will be disenrolled from D-SNP look-alikes and may seek D-SNP coverage



Individual/ Exchange

- ACA Marketplace at 16.3M as of 1/15/23, with >3.6M people new to marketplaces
- 92% of enrollees have access to 3+ insurance company options, highly competitive
- 4 out of 5 customers will be able to find a plan for \$10 or less



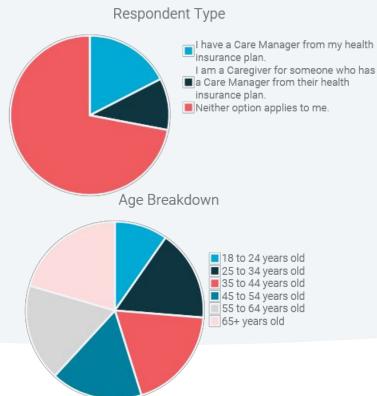
Self-Insured Employers/ASO

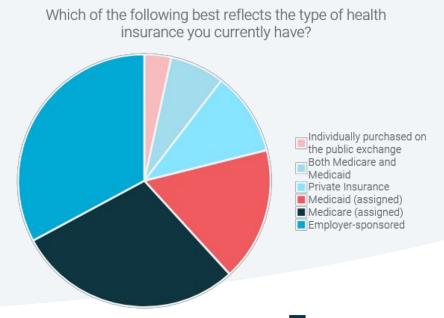
- 65% of covered workers were in a self-funded health plan in 2022 vs 60% 10 years ago
- 20% of employees in small firms and 82% in large firms are covered under ASO
- 91% of employees in firms over 5000 employees are covered under ASO



Survey details

HealthEdge commissioned an independent study of 2,800+ consumers to capture their perspective on current challenges, priorities and preferences in today's rapidly evolving health insurance landscape.





Our findings

- General consumer satisfaction with health plans has been increasing.
- Duals are the most satisfied sub-segment due in part to SDoH.
- While relatively high (~83%), health planMembers with Care Managers are even more satisfied.
- The highest segment Neutral to
 Dissatisfied is Medicaid, partly due to
 Provider Option support.

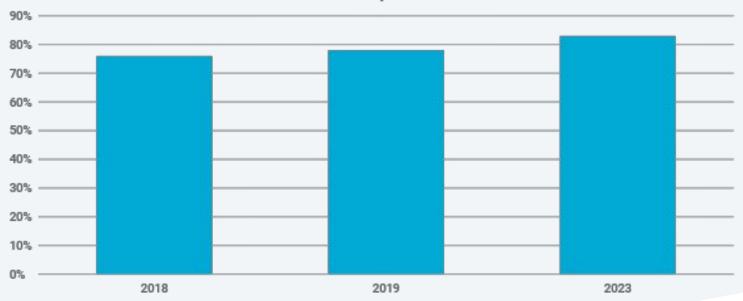
Further, Members who talk to their Care Managers more often are more satisfied.

What Members desire from their health plans and Care Managers to improve satisfaction is changing.



Since 2018, member satisfaction with health plans has increased

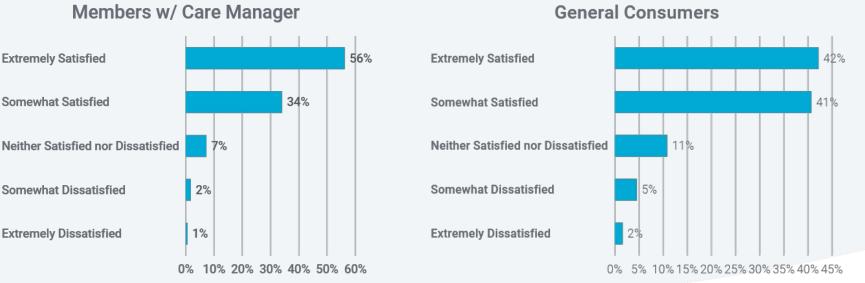
% of respondents saying they are somewhat or extremely satisfied with health plan





Members with a Care Manager are much more satisfied with their health plan than members without a Care Manager

What is your current level of overall satisfaction with your health plan?





Members prefer Care Managers who provide personalized resources, omni-channel communication, and up-to-date health information

Select the top 3 actions your Care Manager could take to most improve your level of satisfaction with them:

Provide care and resources based on my individual needs, traits, economic conditions, access to essentials, or location/community I live in

Communicate with me in the ways I prefer

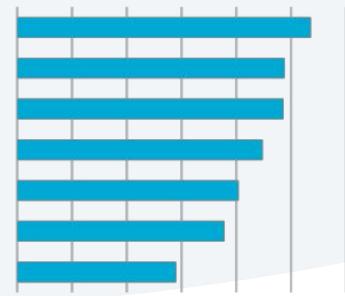
Have my health information on-hand when we communicate

Enable me to actively participate in and develop my care plan

Provide me with better access to numerous providers

Help me get and manage my medications

Refer me to social services and resources in my community





Half of members communicate with their Care Manager at least weekly

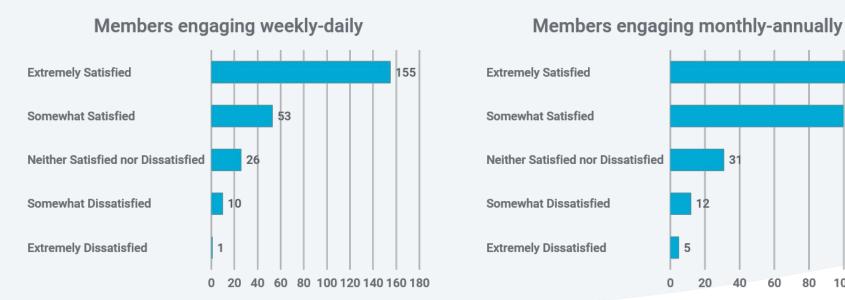






Members who engage with their care manager weekly+ are more satisfied than members who engage with their Care Mangers less frequently

What is your current level of overall satisfaction with your care manager?





112

100

What this means for clinical leaders

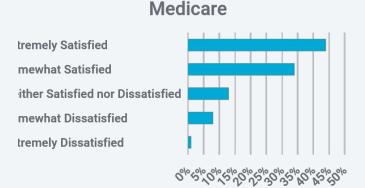
Implement workflows that encourage frequent communication between care managers and members

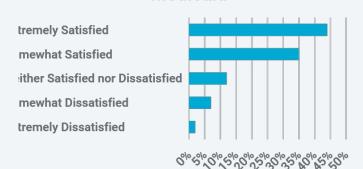
Customize and personalize outreach to members based on known attributes, and provide multiple avenues for communicating with members to meet them where they are Set and track benchmarks for how frequently members are engaging with care managers or clinical content

Scale care management efforts to engage as many members as possible



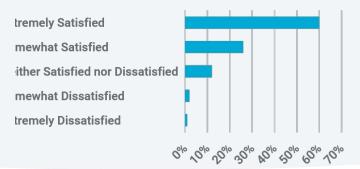
Satisfaction with Care Managers varies by LOB



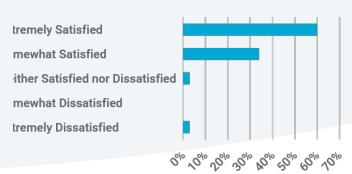


Medicaid

Employer Sponsored



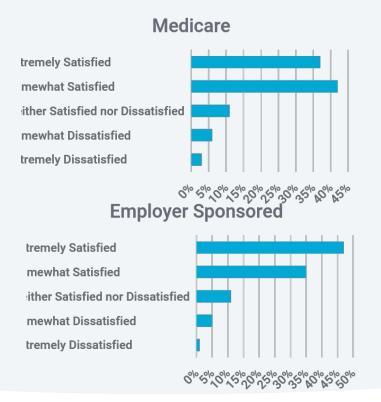
Duals

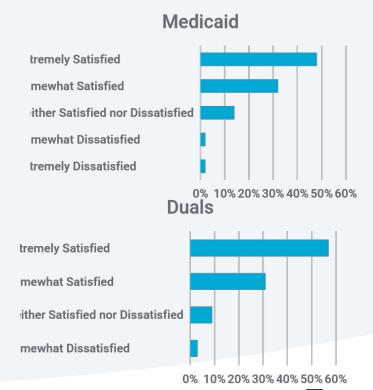




Duals are satisfied with their Care Manager, due in part to information available about SDoH support

How satisfied are you with your Care Manager's ability to provide you with and/or refer you to community and social resources?





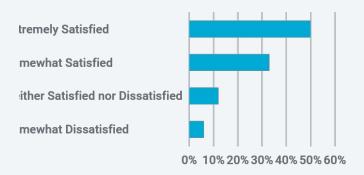


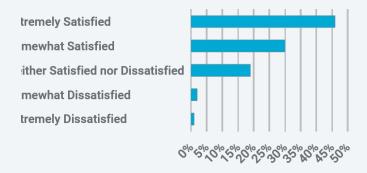
How satisfied are you with your Care Manager's ability to provide you with access to provider options?

Medicaid members expressed less satisfaction with their Care

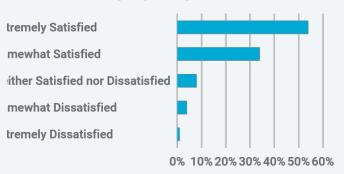
Managers' ability to provide access to provider options

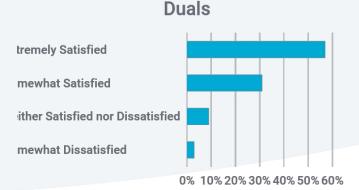
Medicaid





Employer Sponsored







What this means for clinical leaders

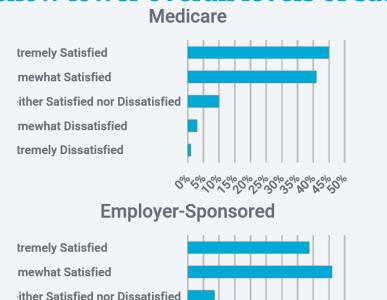
Invest in support in key areas across LOBs to ensure you're able to provide members with resources they need, when they need them most

Ensure your messaging, workflows, and content align with the needs of your different LOBs

Members' satisfaction with Care Management is impacted by their overall satisfaction with and awareness of other benefits and resources available within their plan



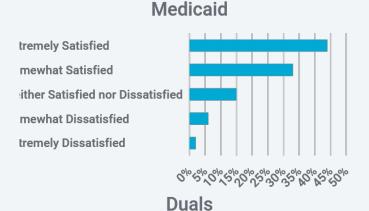
Health plan members without a care manager tended to show lower overall levels of satisfaction



0%5%0%5%0%5%0%5%0%5%0%5%0%

mewhat Dissatisfied

tremely Dissatisfied



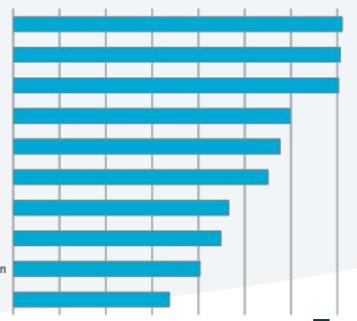
tremely Satisfied mewhat Satisfied ither Satisfied nor Dissatisfied mewhat Dissatisfied tremely Dissatisfied



0% 10% 20% 30% 40% 50% 60%

To improve satisfaction, plans can focus on providing a seamless customer experience, accessible communication, and tools to help members manage their health

Select the top services that would help to most improve your level of satisfaction with your health plan:



ts, characteristics, or beliefs such as race, ethnicity, gender, or religion



As of 2023, "good customer service" is now in the top 3 services that would improve member satisfaction

2023

- Good customer service
- Easy access to health records
- Incentives for healthy behaviors

2019

- Tools or information to help me understand my benefits
- Incentives for healthy behaviors
- Tools or information to help me find less costly care



27%

of members understand all their health plan communications "sometimes," "rarely," or "never."



46%

of health plan members said they'd never heard the term "care manager"



What this means for clinical leaders

Members are looking to plans to provide clinical support and customer service in a seamless fashion, so clinical leaders will need to work cross-functionally to meet these needs

Ensure you're keeping a pulse on members' needs and preferences, as they can evolve over time

Partner with member engagement and marketing teams to ensure clinical communications are clear and free of jargon





How to Build a Robust Business Case for Care Management

Jake Sattelmair, Wellframe



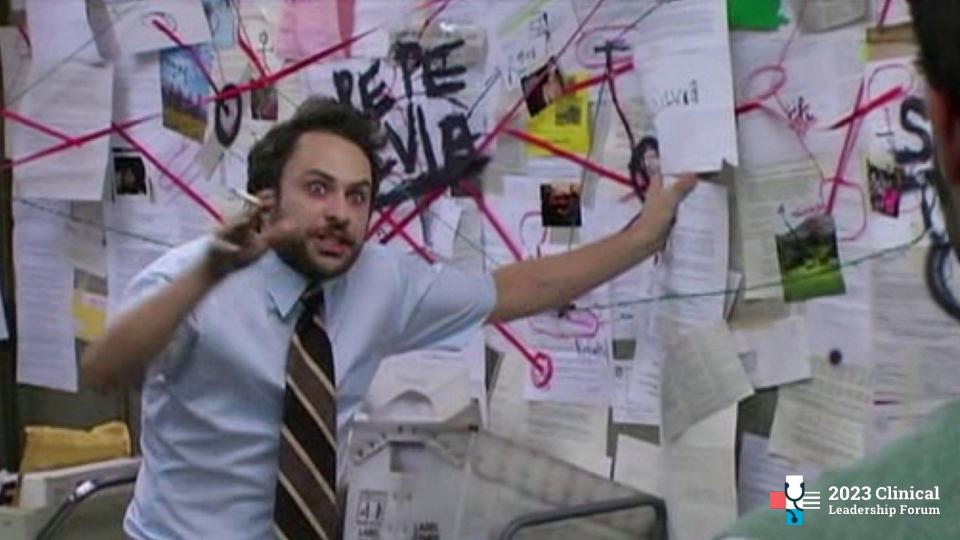
what do I want to be when I grow up?





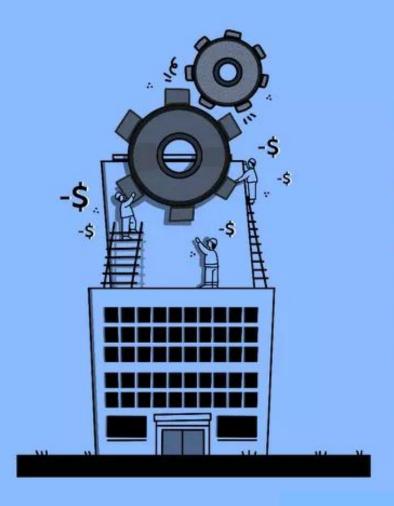












Cost Center

['kost 'sen-tər]

A department within an organization that does not directly add to profit but still costs the organization money to operate.



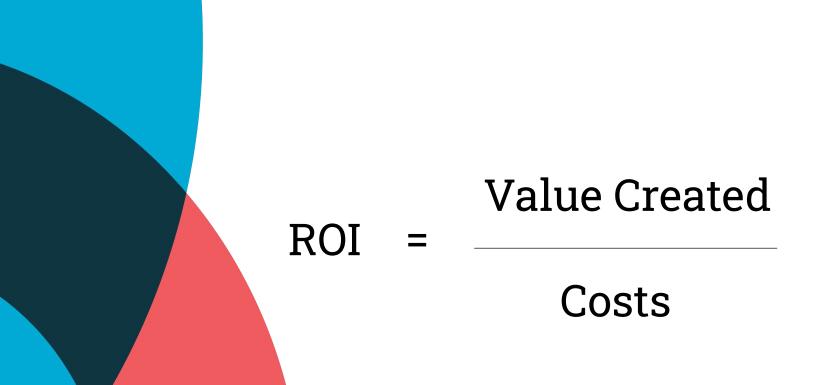














Process & Outcome Measures

Process measures

- Enroll members
- Meaningfully engage members
- Assess needs & opportunities
- Set and pursue goals
- Deliver great member experience
- Improve member confidence & IQ
- Improve biometrics, reduce risk factors
- Coordinate care among providers
- Achieve strong retention in programs

Outcome measures

- Impact care utilization
- Reduce medical spend
- Improve quality scores/premiums
- Enable market differentiation



Drivers of Value Creation

Cost savings

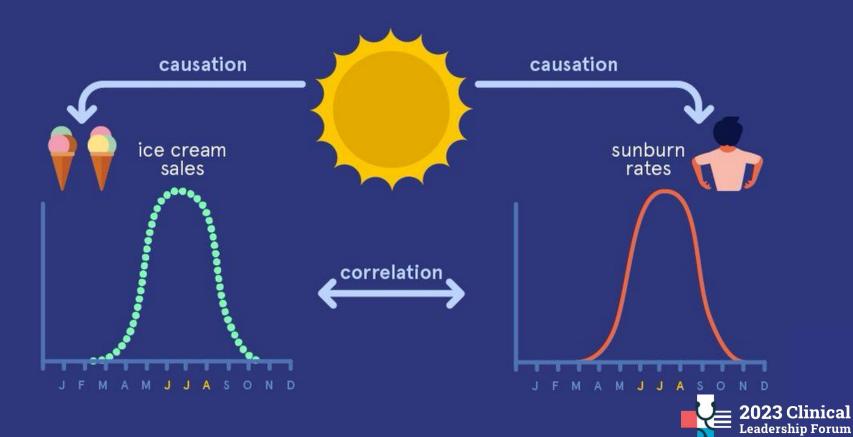
- Care utilization / medical cost savings
 - ER visits
 - Inpatient stays
 - Preventive service utilization
- Labor productivity
 - Caseload
 - HR level of license/cost

Revenue/Premiums

- Quality based revenue
 - Gaps, CAHPS, Meds (STARS, Hedis)
- Sales differentiation
 - Win new business
 - Retain customers
 - Pricing integrity
 - Buy-up services



Correlation does not imply causation



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ORIGINAL RESEARCH

3 OPEN ACCESS



A pragmatic methodology for the evaluation of digital care management in the context of multimorbidity

Emily Lindemer^a, Mohammad Jouni^a, Nikolay Nikolaev^a, Pat Reidy^a, Heather Mattie^{a,b} , Jameson K. Rogers^c, LouAnne Giangreco^d, Michael Sherman^e, Matthew Bartels^f and Trishan Panch^a

^aWellframe Inc, Boston, MA, USA; ^bBiostatistics, Harvard T.H. Chan School of Public Health, Boston, MA, USA; ^cGoogle Cloud Healthcare, Mountain View, CA, USA; ^dCayuga Health System, Ithaca, NY, USA; ^eHarvard Pilgrim Healthcare, Wellesley, MA, USA; ^fBlue Cross Blue Shield South Carolina, Columbia, SC, USA

ABSTRACT

Multimorbidity is a defining challenge for health systems and requires coordination of care delivery and care management. Care management is a clinical service designed to remotely engage patients between visits and after discharge in order to support self-management of chronic and emergent conditions, encourage increased use of scheduled care and address the use of unscheduled care. Care management can be provided using digital technology - digital care management. A robust methodology to assess digital care management, or any traditional or digital primary care intervention aimed at longitudinal management of multimorbidity, does not exist outside of randomized controlled trials (RCTs). RCTs are not always generalizable and are also not feasible for most healthcare organizations. We describe here a novel and pragmatic methodology for the evaluation of digital care management that is generalizable to any longitudinal intervention for multimorbidity irrespective of its mode of delivery. This methodology implements propensity matching with bootstrapping to address some of the major challenges in evaluation including identification of robust outcome measures, selection of an appropriate control population, small sample sizes with class imbalances, and limitations of RCTs. We apply this methodology to the evaluation of digital care management at a U.S. payor and demonstrate a 9% reduction in ER utilization, a 17% reduction in inpatient admissions, and a 29% increase in the utilization of preventive medicine services. From these utilization outcomes, we drive forward an estimated cost saving that is specific to a single payor's payment structure for the study time period

of \$641 nor member nor month at 2 months. We compare these results to those derived from existing

ARTICLE HISTORY

Received 8 September 2020 Revised 10 February 2021 Accepted 11 February 2021

KEYWORDS

Care management; multimorbidity; propensity matching; bootstrapping; intervention; randomized controlled trials

JEL CLASSIFICATION CODES C10; C1; C; C18; C1

Impact on patterns of care utilization among high risk members engaged in digital care management



Reduction in Inpatient Visits

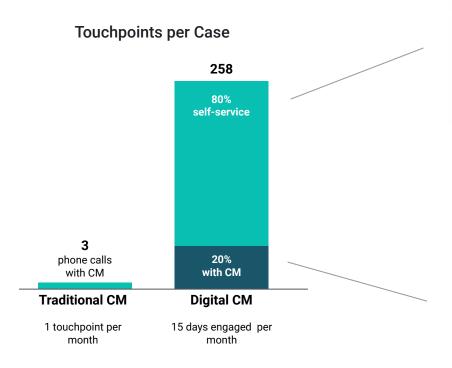


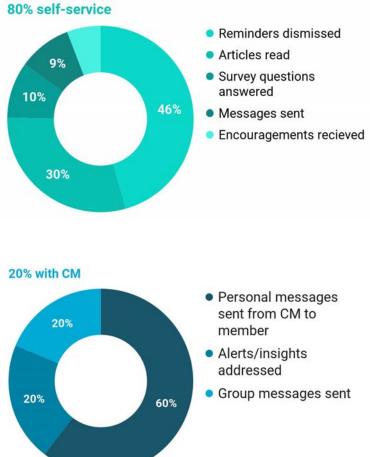
Reduction in ER visits



Digital drives significant increases in member engagement

Digital Care Management vs. Traditional Care Management, with the same number of staff

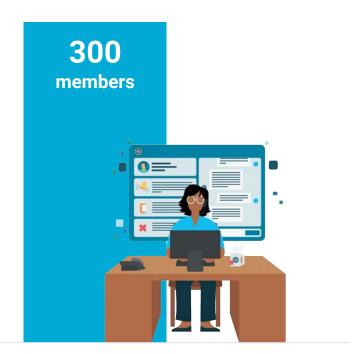




Double care management caseloads with digital care management



Traditional care management



Digital care management





ROI Model Example



ROI Maximization - Optimize Member Targeting





ROI Maximization - Diversify Recruitment



Diversify recruitment & measure acquisition cost

- Non-clinical resources
- Multi-channel direct marketing
- Provider endorsement



ROI Maximization - Enhance Member Engagement



Enhance engagement strategy to maximize impact & unit economics

- Multi-channel digital, telephonic, in person, self-service
- Holistic advocacy combine condition management, gap closure, care navigation, benefits support, social drivers
- Diversify team composition aligning license with the "jobs to be done" (non-clinical, peers, etc.)
- Augment internal resources with specialized 3rd party services



ROI Maximization - Expand Outcome Measurement



Broaden measurement of outcomes to strengthen numerator of ROI model

- Medical cost savings →
- Quality/premiums
- Sales, retention & pricing





In sum

- Mindset: CM = strategic source of value
- Clearly define priority outcomes & targets
- Apply rigorous analysis to ID impact
- Align cost of recruitment/engagement to impact by cohort
- Use data to drive continuous improvement
- Package & market results to internal & external stakeholders





Taking Digital Transformation from Impossible to Inevitable

Three phases to harness digital care management

Dr. Sandhya Gardner, HealthEdge Nilima Rajkumar, Wellframe Jessie Schiller, Wellframe



The three phases: from "impossible" to "inevitable"



PHASE 1

Define the primary goals and desired outcomes, assess your organizational readiness, and build the business case

PHASE 2

Identify stakeholders, establish expectations & accountability, develop milestones, and engage your team

PHASE 3

Assess, adjust, iterate and repeat!







Strengthen your organizational direction



Define your primary goals and objectives

Key questions for defining digital transformation goals:

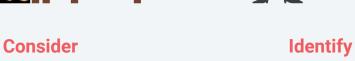
- Where in your organization are you starting the process?
- Which member populations are you focusing on first?
- What are the highest-priority performance metrics to improve?
- Who is driving this initiative?
- How will you measure impact?





Assess your organizational readiness



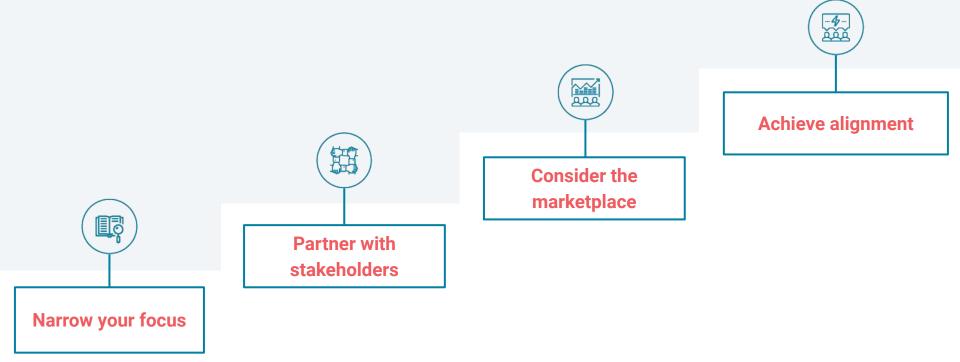




Acknowledge



Build your business case







Establish tactical confidence



Identify stakeholders and staff critical to success

Supporters

- Think beyond clinical teams
- Who will use or benefit most from the tool

Detractors

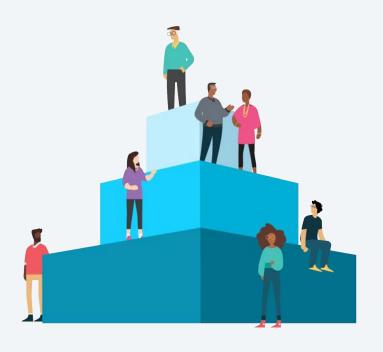
- Understand their perspective
- Prepare to answer their questions
- Back up proposals with data and use cases

Informal influencers

- Across the matrix
- Early adopters
- High utilization and performance



Establish expectations and accountability



Responsible

Accountable

Consulted

Informed



Develop long- and short-term milestones



Focus your strategy



Establish success criteria



Set & measure KPIs



Celebrate success



Educate, excite, and engage your team

What are the best ways to manage staff engagement?

- Assess team and organizational readiness
- Continual staff training
- Workflow design and staff modeling
- Incorporate measurement goals into staff assessment
- Structure appropriate incentives







PHASE 3 Get up and running!



Assess - adjust - iterate - repeat!

PHASE 1

Define the primary goals and desired outcomes, assess your organizational readiness, and build the business case

PHASE 2

Identify stakeholders, establish expectations & accountability, develop milestones, and engage your team

PHASE 3

Assess, adjust, iterate and repeat!







Thank you!

We will depart for City Winery at 4:15

