



NATIONAL ASSOCIATION OF
Community Health Centers®

Health Center 2030: 5 Critical Skills for Leading the Digital Transformation

June 18, 2024

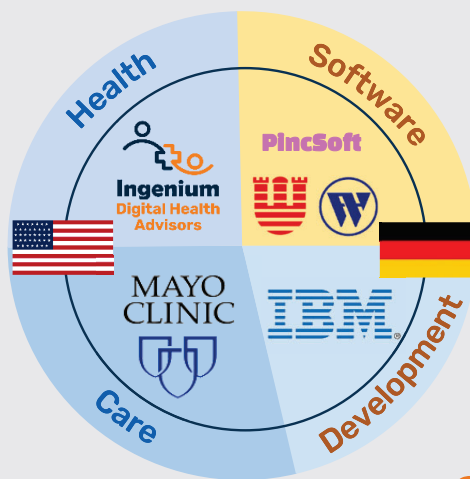
Christian Milaster
Founder & CEO
Ingenium Digital Health Advisors



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About Christian



35+ years

“Optimizing
Service Delivery”



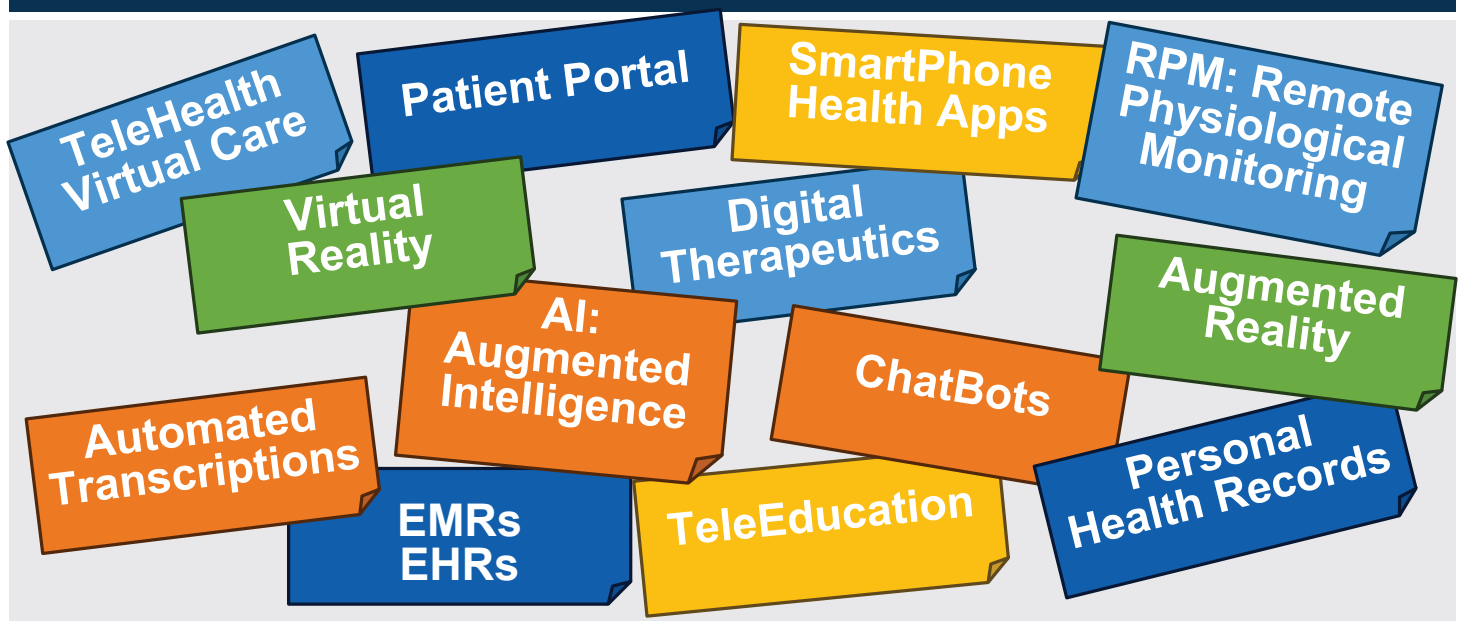
Leading the Digital Transformation



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Digital Transformation Buzzwords



5 Stages of Digital Transformation

5 STAGES OF DIGITAL TRANSFORMATION



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One Aspect:
With **Virtual First**
To **Virtual Mostly**



Virtual First:

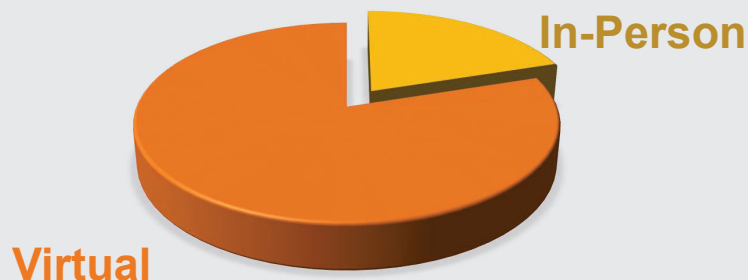


The first level of care
provided by a healthcare professional
is virtual

video visits | secure messaging | data review

Virtual Mostly:

The majority of
outpatient care (80%+)
is delivered **virtually.**



Why?

- Because it's expected of us.
- Because we can.
- Because it's feasible.
- Because it's viable.

→ *Alas, we must.*



The Modern Healthcare Consumer



Shift Happens

25 years ago: Finance

- Online Banking
- Online Trading
- Online Payments
- Currency Xfers
- 24x7

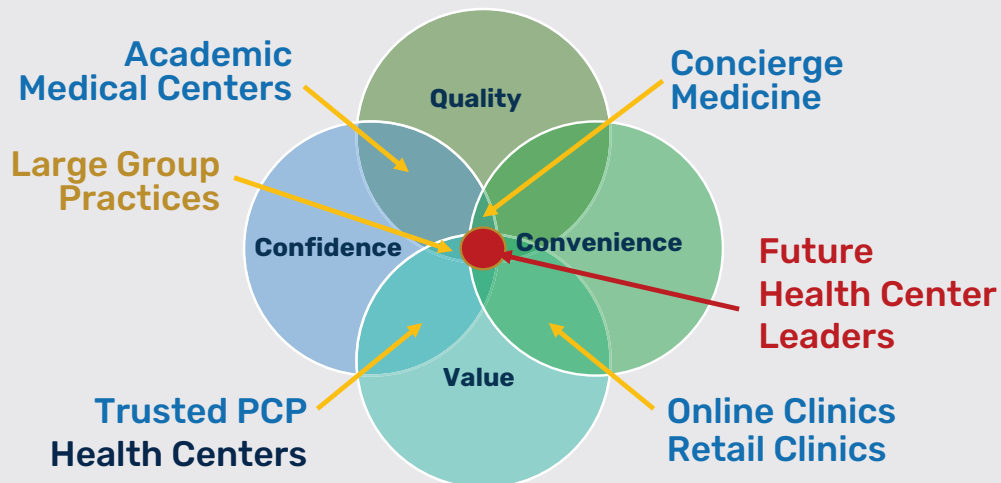
20 years ago: Commerce

- Amazon
- BestBuy, JCPenney
- Uber, Lyft
- Kayak, Expedia
- AirBnB
- 24 x 7

15 years ago: Communication

- Facebook, Twitter, Snapchat
- Messenger, WhatsApp, SMS/Texting
- Facetime, Skype
- 24 x 7

Meeting the Needs of the Modern Healthcare Consumer



US Telehealth Users* Who Are Planning to Use Telehealth Services, by Generation, Oct 2021

% of respondents in each group

Gen Z (18-24)



Millennials (25-40)



Gen X (41-56)



Baby boomers (57-75)



■ Yes ■ No ■ Not sure

Note: in the next 12 months; numbers may not add up to 100% due to rounding; *94% were telehealth users and 6% were potential telehealth users selected to align with the US population on the criteria of age

Source: Insider Intelligence, "US Telehealth Trends 2022," Jan 2022

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InsiderIntelligence.com

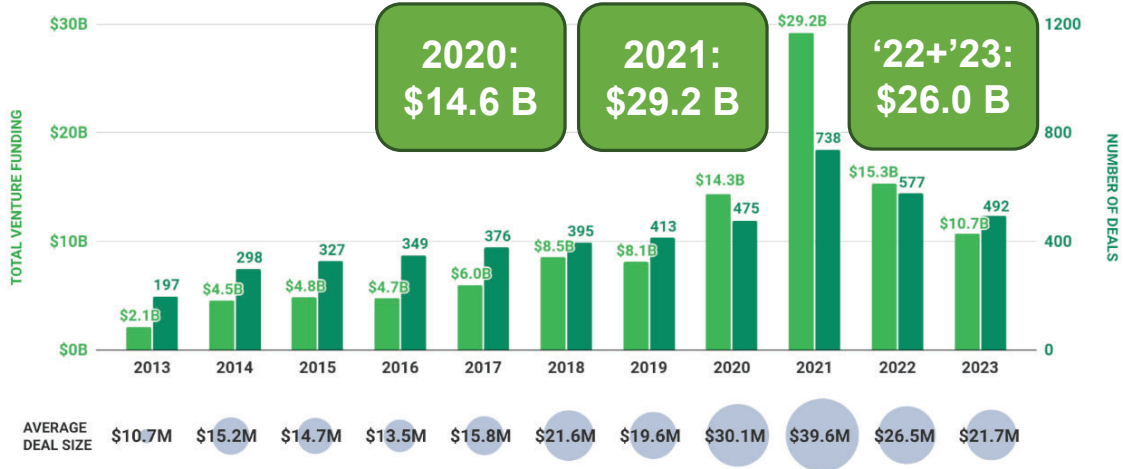
The Digital Health Innovation Avalanche

Digital Health Funding: \$100B+

U.S. DIGITAL HEALTH FUNDING AND DEAL SIZE
2013-2023

2011-2023: ~\$110 B

ROCK
HEALTH+

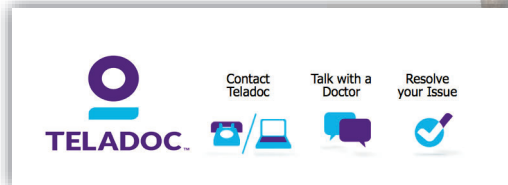
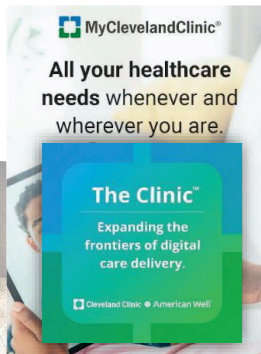


Note: Includes U.S. deals >\$2M
Source: Rock Health Digital Health Venture Funding Database; data through December 31, 2023

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CBINSIGHTS
Digital Health
150
 2022

Care coordination & collaboration

alineo Health Buddy
 CareAlign dina
 eon HEALTHSCALE TECHNOLOGIES
 Oath rimidi TCARE

Clinical intelligence

abridge ARTIQ
 ImmersiveTouch
 iodine HIBTRACE
 OVERJET theator
 VIDEO HEALTH

Home health & wellness

cala
 doccla Embr Labs
 Evvy MedArrive
 Nymbal suvera
 sword

Computer-aided imaging

BrainSightAI CEREBRIU
 Clarius DIGITAL BIOGENETICS
 endCitye harrison.ai
 ITERATIVE HEALTH SUBTLE MEDICAL
 SWIFT iz.ai

Interoperability, data, & analytics

AETION Avallity coversa health embold
 GenXys HospitalIQ J2 HEALTH lifebit Lightbeam
 LYNXCARE nubentas particle REDOX® rune labs
 SEQSTER SOCIALCLIMB TRUVETA xealth

Digital front door & patient engagement

Careology CipherHealth Healthee
 heartbeat hyro kinetik
 KODAHEALTH mayaMD
 Noda! Playback Health REDI HEALTH
 Stride univfy vinehealth
 WILDFLOWER XP HEALTH

Virtual care

bloom care BRAVE EQUIP
 exseed Fourier Intelligence Jasper LEVY HEALTH
 nuvo recoveryone Renalis SUMMUS
 THOUGHTFULL vivante wysa

Screening, monitoring, & diagnostics

alio Aural Analytics BABYSCRIPTS biospectal casana
 CLOUD DX Ocarator Eko ellipsis ENLITIC
 galileo GENOMENON hyfal IDOVEN Infermedica
 Ixlayer KINTSUGI L7NFORMATICS Ligence
 MOBIO NEUROVINE Optellum podmetrics
 prevent Qventus skin Starling

Digital therapeutics

AppliedVR GYENNO
 MEDrhythms metaMe Health Rocket

Digital pharmacy & DME

9amHealth
 HouseRx

Workflow automation & digitization

CertifyOS element5
 Foldhealth hint health
 OpenLoop OpenMedical
 Rhyme Vytalize

Clinical trials tech

TOPOGRAPHY HEALTH UNLEARN xCures

Hybrid care

Caraway homeward kindbody
 Nest Health SalvoHealth sami
 tia vori health Waymark

Revenue cycle management

enter JANUS Lyfigen soda health

GIMBHI Market Map

<p>Interactive Software</p> <p>Koa Health unmind oxfordvr myStrength TEACHTOWN psious Selfapy HYPNOR otsimo SilverCloud</p>	<p>Patient Tools</p> <p>MedCircle LUCID LANE zenklub PATH Headway spring health WeRecover sondermind oviahealth Advokit COPE NOTES youturn Cerebral HALCYON MAVEN</p>	<p>Measurement, Testing, & Diagnostics</p> <p>mindstrong UniFa Aural Analytics SONDE OwlInsights SAVONIX VocalisHealth ALTOIDA neurotrack lark Lineagen rune labs BrainCheck GENOMIND Darmijan bark WATERLIGHT ellipsis health nQ Medical</p>	<p>Provider Tools</p> <p>NEUROFLOW Qaxial osmind AlmaHEALTH Healthify Cogstate MyndYou Quartet Eleos LINUS HEALTH blueprint manatee valant</p>	<p>Digital Therapeutics</p> <p>BigHealth holmusk Palo Alto Health Sciences Click Therapeutics dreem Limbix CureApp AKILI The Learning Corp luminopia Quit Genius cognoa metaMe Health PEAR happily omada kaia Neuroliif</p>
<p>Medical Device</p> <p>quadrant kernel BioDirection sana health CALA Neuronetics NeuroOne confort ybrain NEURALINK NeuroSigma NE</p>	<p>Tech-Enabled Treatment Platform</p> <p>two chairs tia Health Meru Health cleaner health pya coa</p>	<p>Telehealth</p> <p>Brightside dialogue talkspace mindoula Workit Health ginger snapclarity learn2olive tava MINDLER FOREFRONT Boulder nodd salespace Uwill ahead Springtide vida DOTCOM Lyra Snaptive Sprout</p>	<p>Wellness</p> <p>Modern Health me Quilibrium bellabeat MIGHTIER Calm MEDITOPIA SIMPLE HABIT youper headspace BLOOM Deep Meditate GRIT DIGITAL HEALTH emrise fastic NEURO NATION siff SONDER TEN PERCENT HAPPIER LIVE LIVESPEAK The Riveter WAVE skime InsightTimer</p>	

Virtual Care Possibilities

Beyond Video Visits



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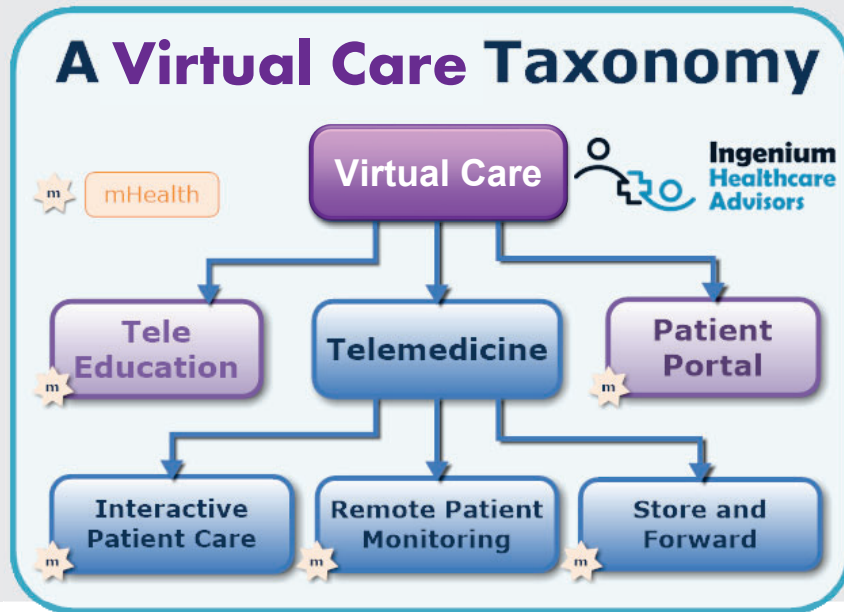
**Everybody agreed,
until somebody defined it...**

Telehealth
Delivering Care at a Distance

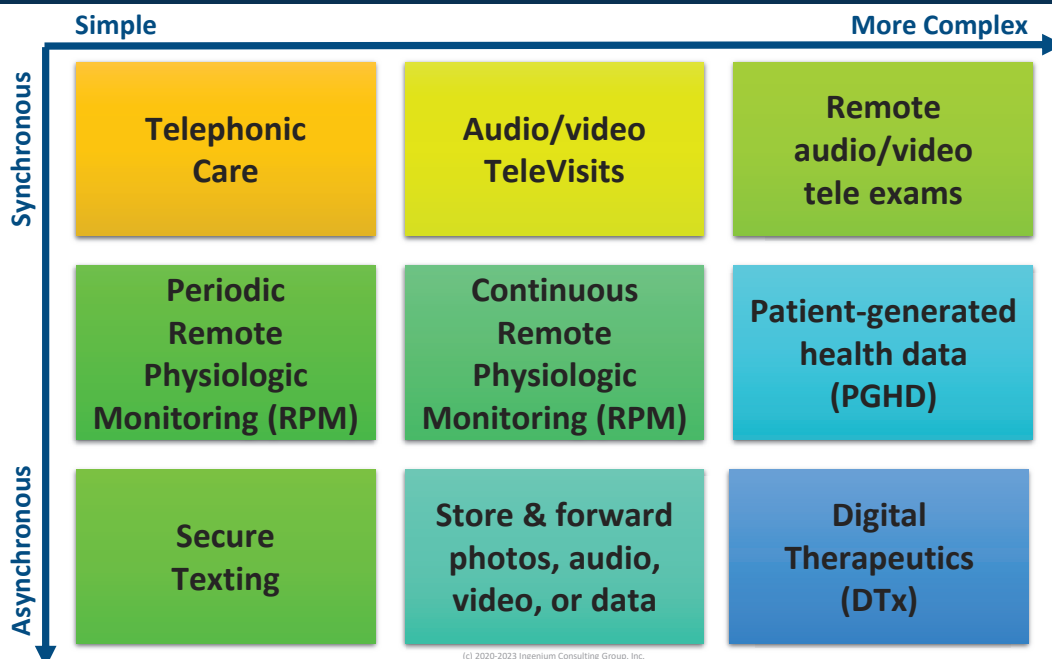
Telemedicine
Practicing Medicine at a Distance

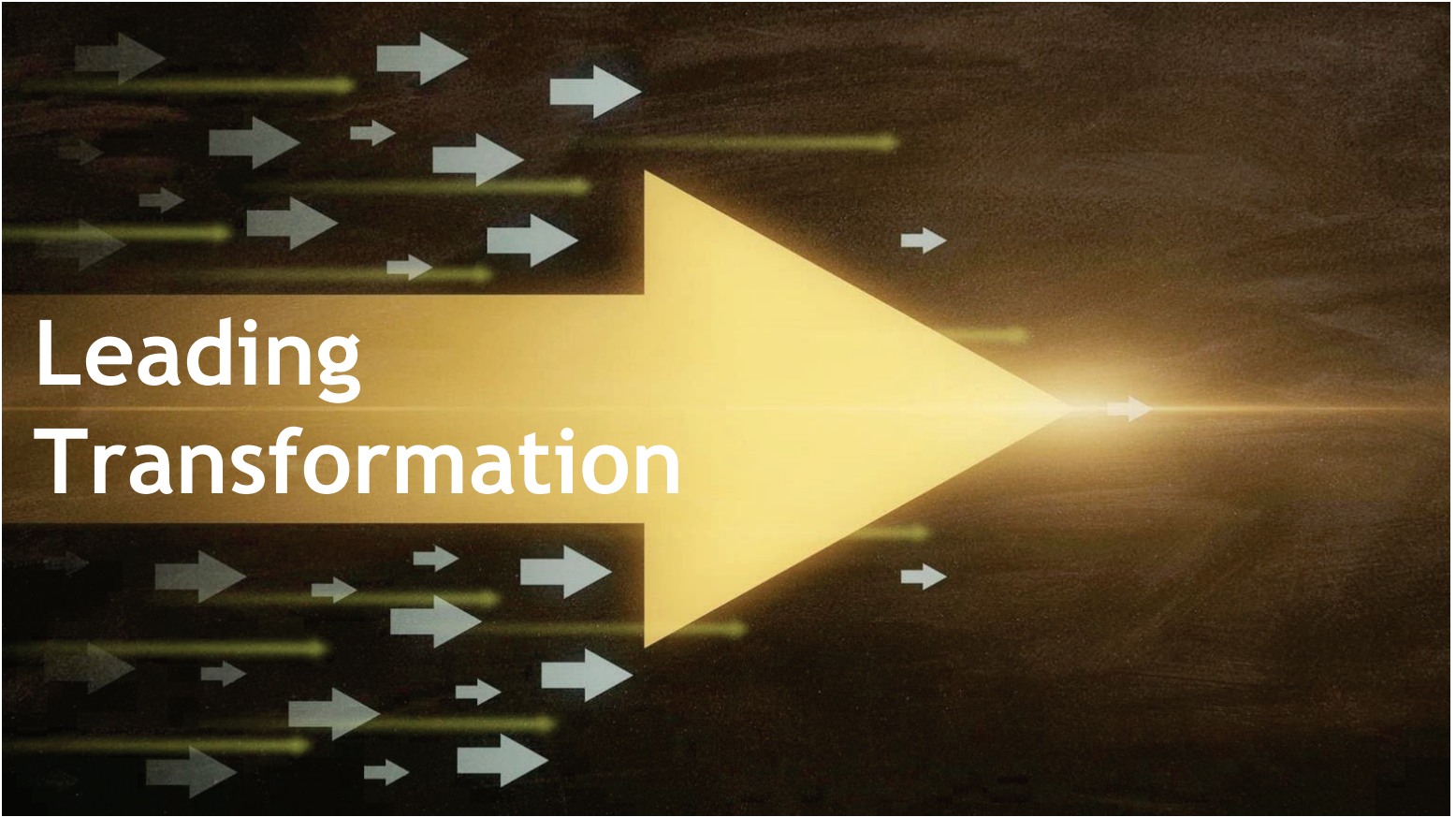
Virtual Care
Connecting with Patients at a Distance

A Telehealth/Virtual Care Taxonomy



9 Common Virtual Care Modalities





The Problem

The Problem in Healthcare is not the **Lack of Innovation**

The Problem is the **Slow Pace of Innovation Adoption**

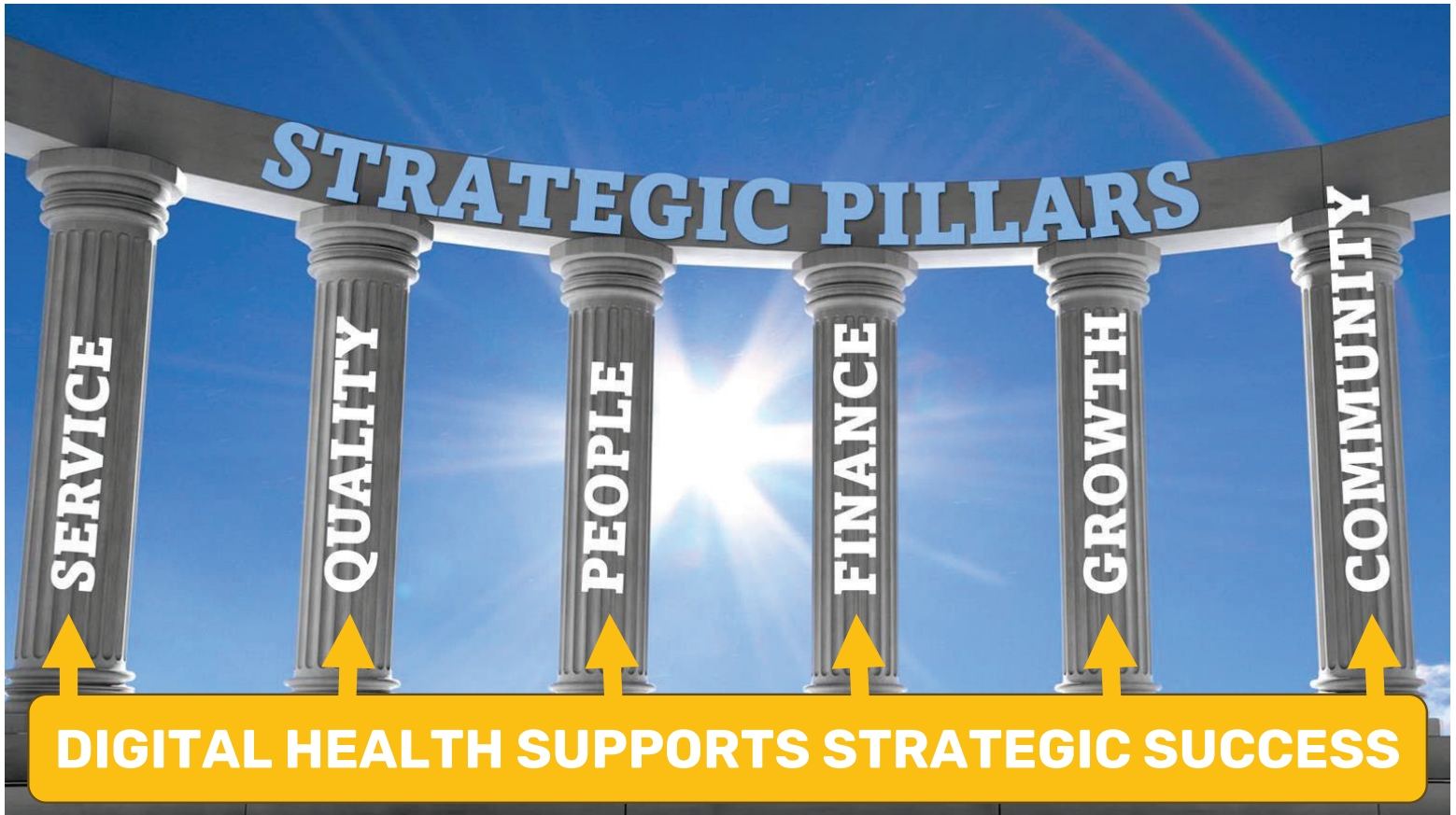


Why So Slow?

- ❖ Healthcare is inherently Risk Averse, Conservative
 - ❖ Average adoption of Landmark Clinical Trial Result by 50% of physicians: **17 years!!!**
- ❖ Quality of Care & Revenue not aligned
- ❖ Very little experience with Critical Leadership Tools:
 - strategy execution, fact-based management, project management, change management, design thinking, workflow design, agile deployment*

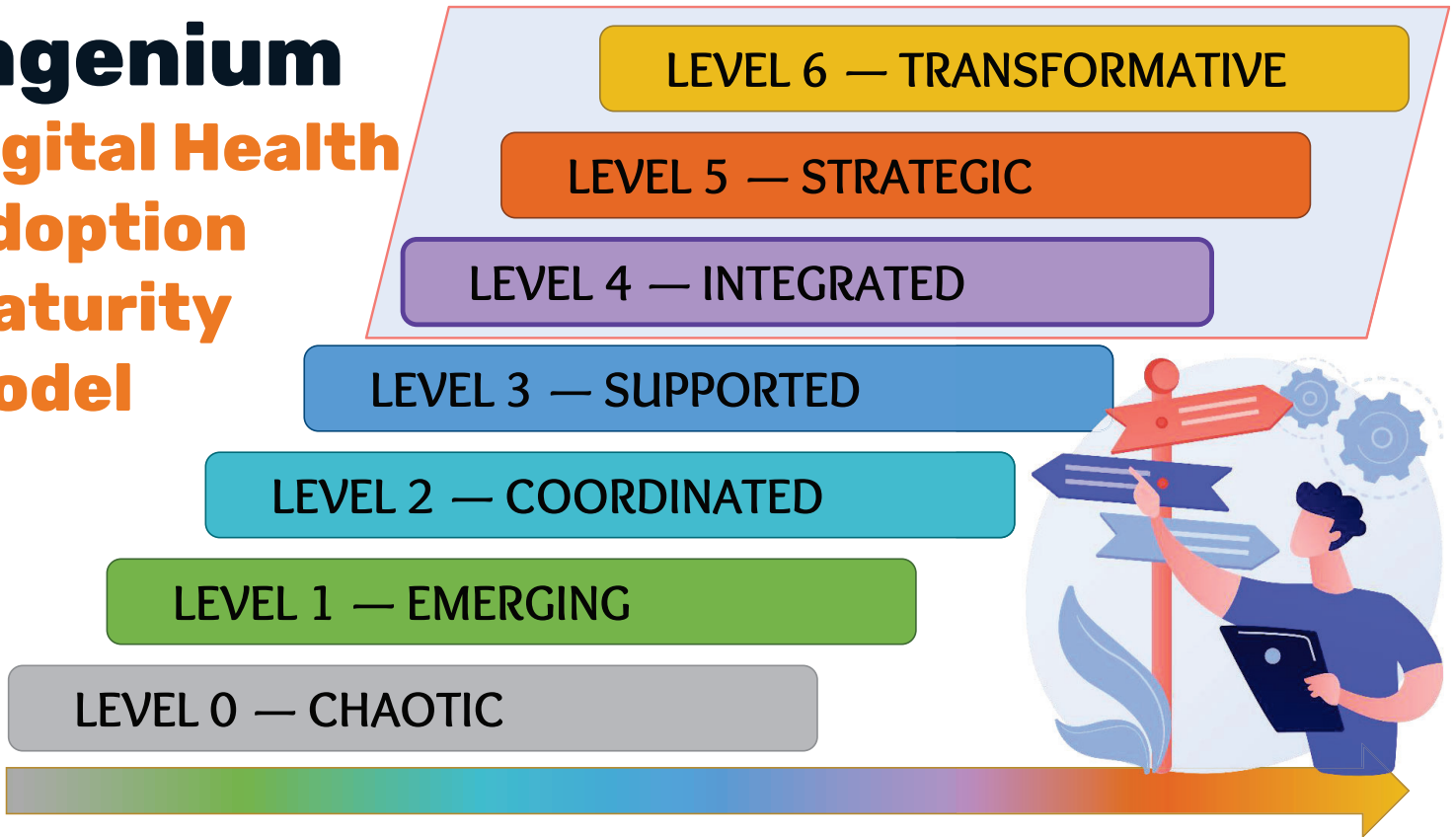
Digital Health is a
STRATEGIC TOOL



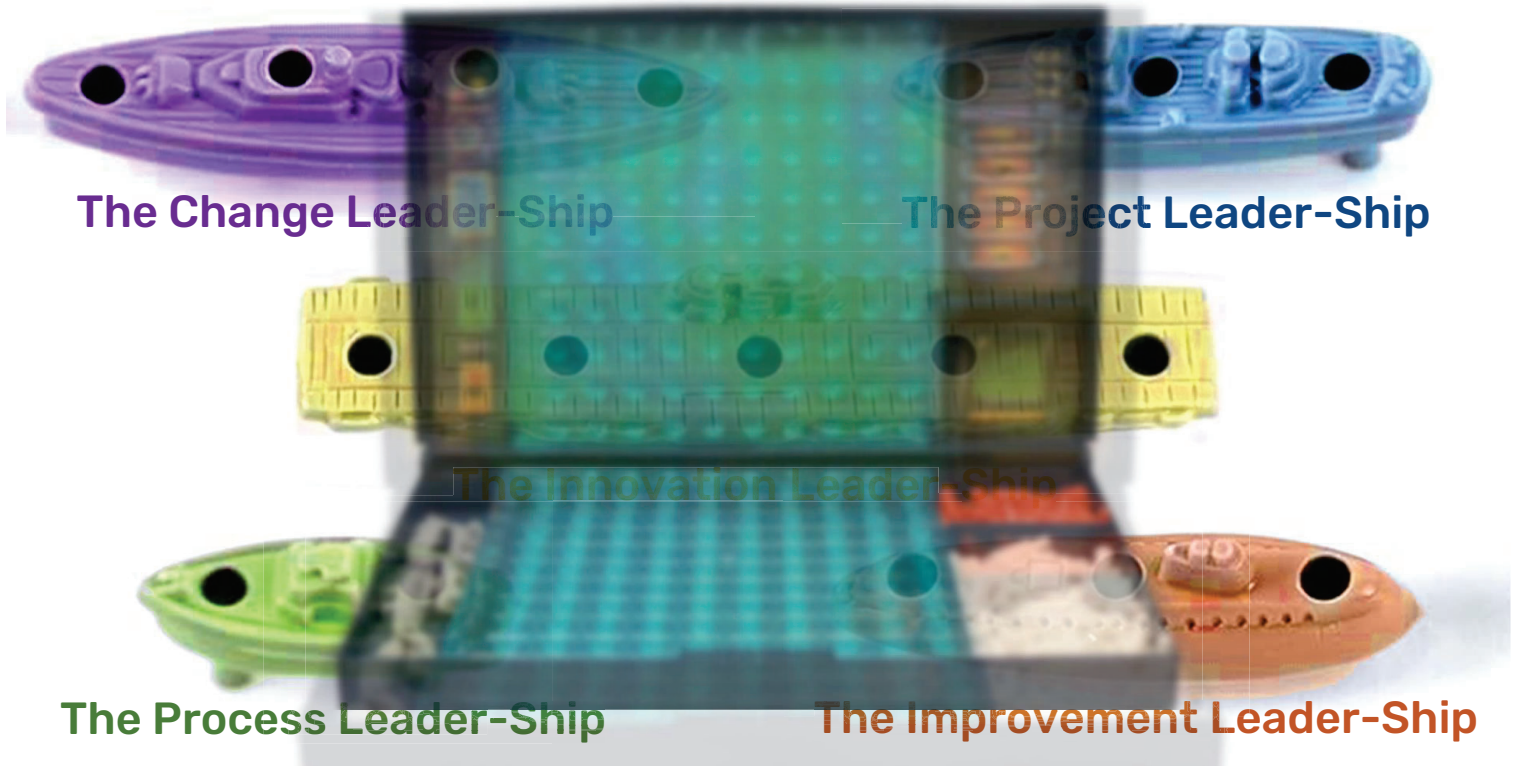


Leaders must improve
their organization's
Digital Health Maturity

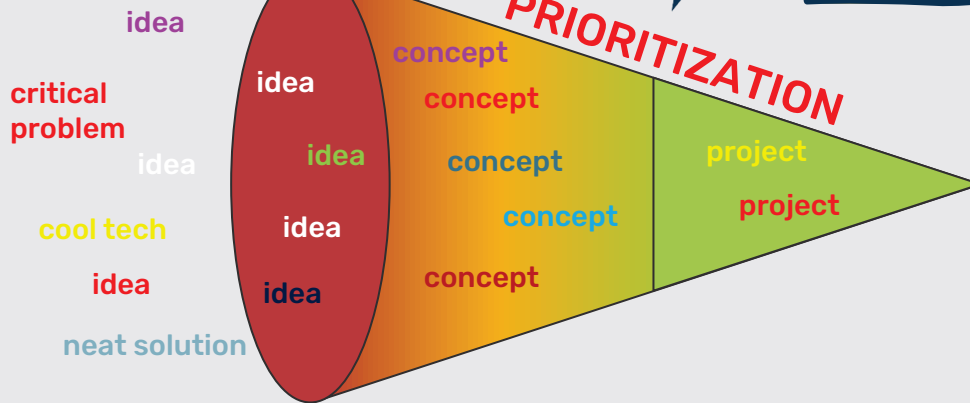
Ingenium Digital Health Adoption Maturity Model



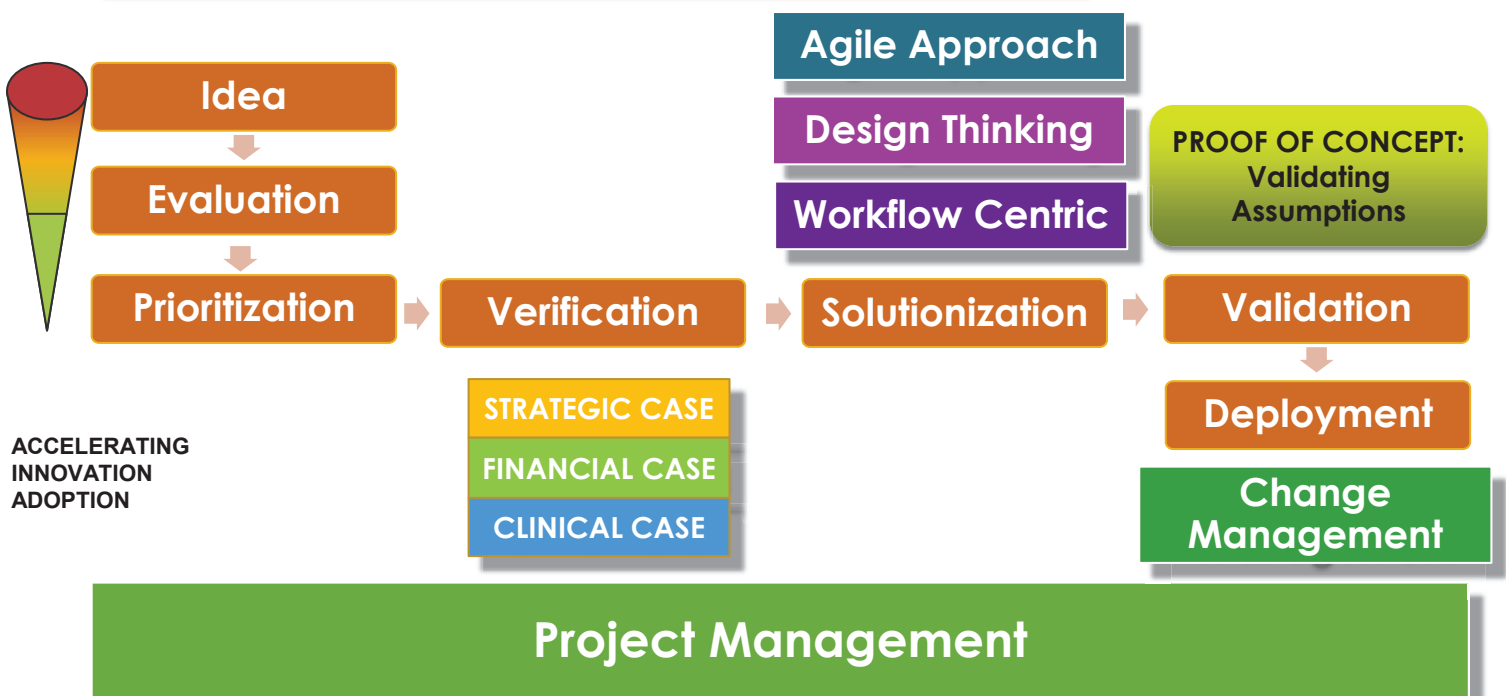
The 5 LEADER-SHIPS OF TRANSFORMATION

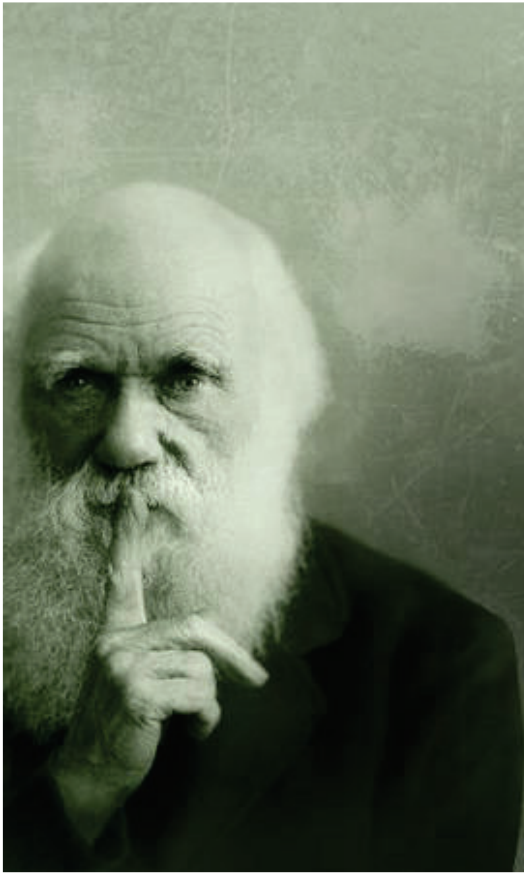


Innovation Adoption Idea Funnel



Innovation Adoption Leadership





**It is not
the strongest of the species
that survives,
nor the most intelligent
that survives.**

**It is the one
that is the most
adaptable to change.**

– Charles Darwin

Change Management



- Biggest Failure of Innovation Adoption is not managing the Change
- Resistance to Change is part of Human Survival
- Need to appeal to Emotions, to Logic and to Social Acceptance/Herd

ADKAR Framework



Raise **AWARENESS**

- Define the Vision, promote the Solution

Create **DESIRE**

- Demonstrate the Benefits

Supply **KNOWLEDGE**

- Use experienced advisors & train adequately

Build **ABILITY**

- Provide opportunities for Learning

Supply **REINFORCEMENT**

- Ensure Accountability, Continuity, Support

Without Change Management...



Clinicians

Staff

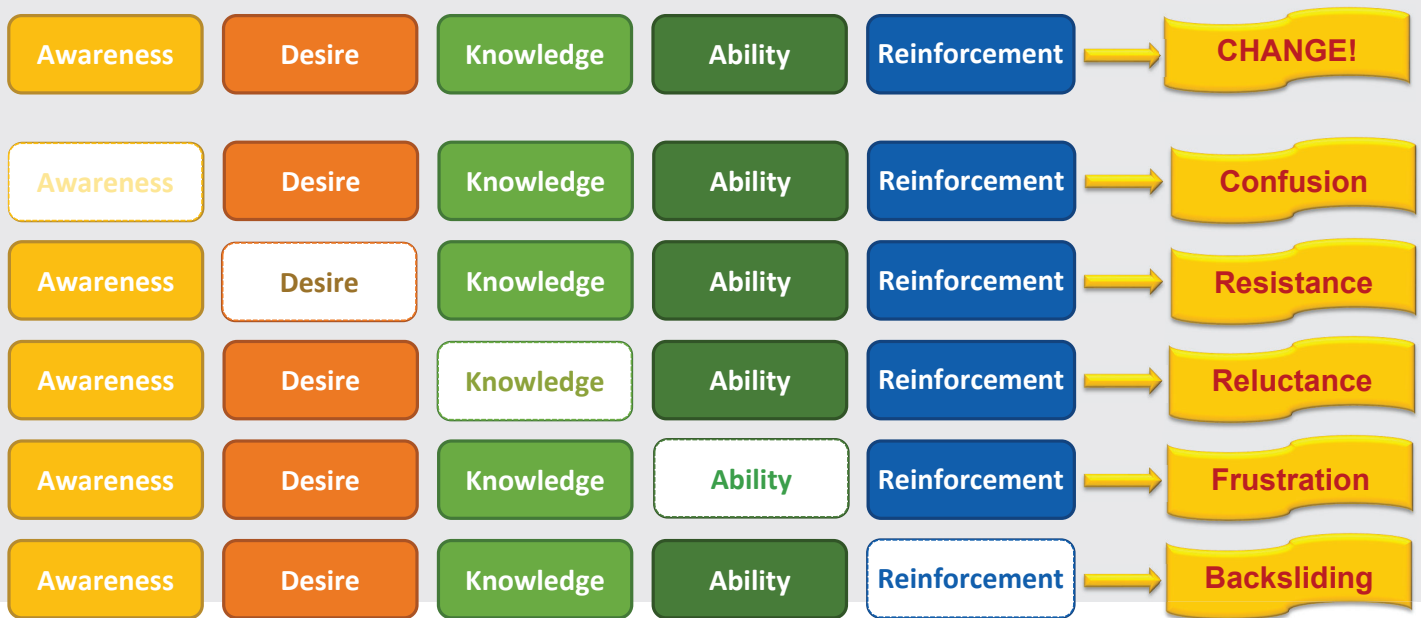
Patients

Leadership

**will
become**

- 1) confused
- 2) embarrassed
- 3) frustrated
- 4) reluctant
- 5) resistant

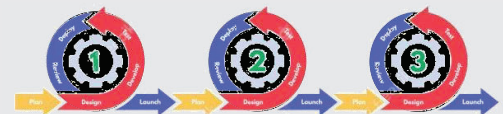
ADKAR Model for Successful, Sustainable Change



Project Management



- Plans are useless, but Planning is essential
- Certified Project Managers preferred
- Project Management as a Communication and Work Synchronization Tool
- Agile Project Management



Process Leader-Ship



Digital Health Solutions ALWAYS Change the Process
Define Workflow FIRST
Select Technology SECOND



Telehealth Workflows (Thworfs)



Telehealth
Scheduling

Telehealth
Onboarding

Telehealth
Rooming

Telehealth Visit

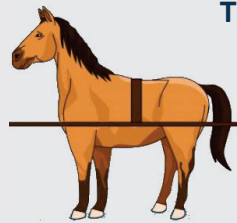
Telehealth
Post Visit

Telehealth
Follow Up

Telehealth
Billing

Process must Drive Technology

- ✓ Don't put the horse behind the cart



TECHNOLOGY



The Process Leader-Ship

- ✓ First, design your clinical, operational, and financial workflows, design the UX
- ✓ Then select the technology that best fits your needs

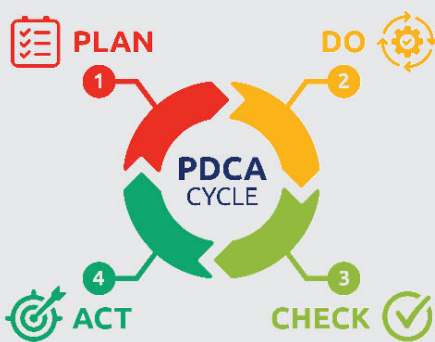
Everybody Practices on Top of their License!
“Do only the things that only they can do.”

Leading Improvement



The Improvement Leader-Ship

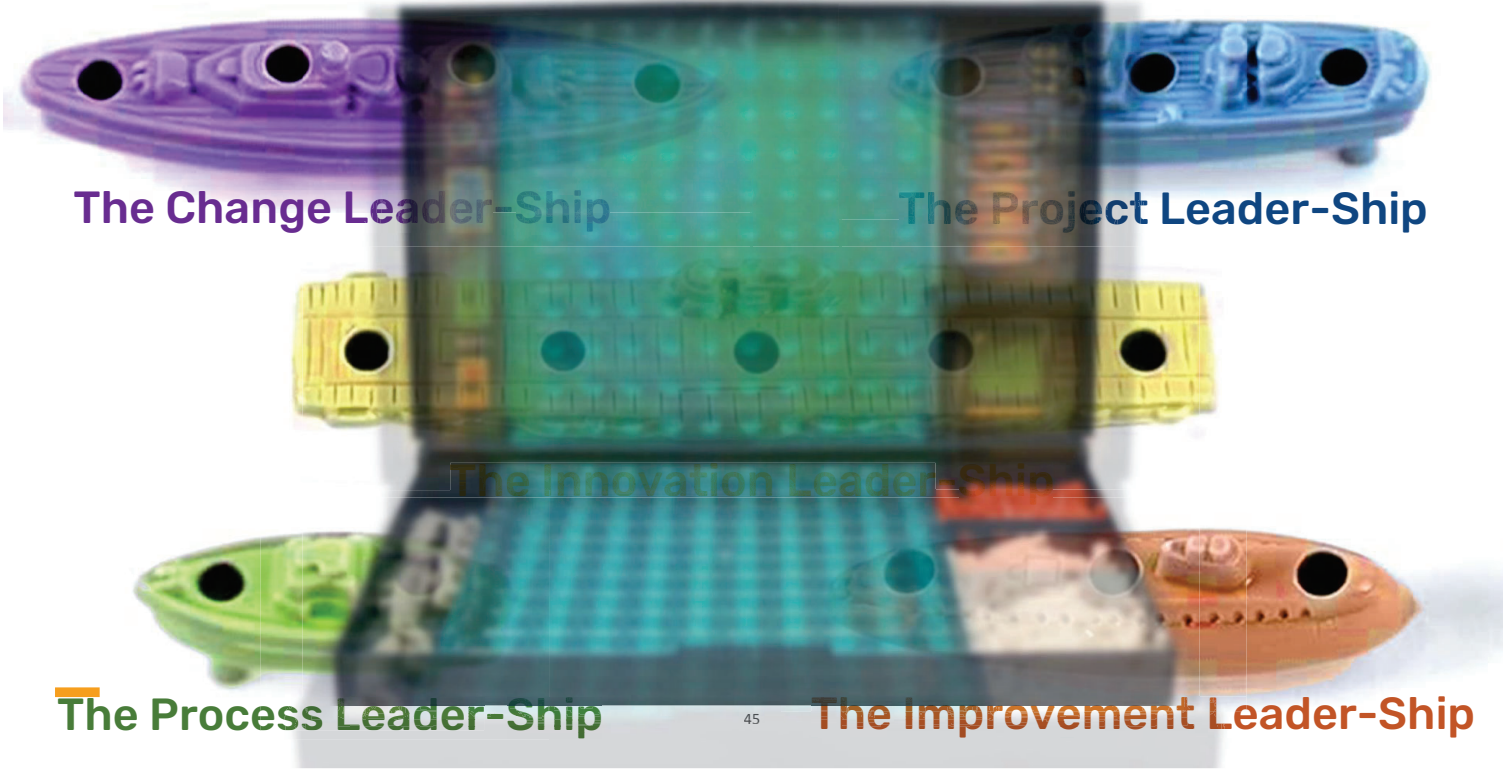
Dashboards Don't Drive Results!
Data-Driven Decisions Do!
(Fact-Based Management & Improvement)



PDCA

- Plan – What are we going to do?
- Do – Implement Change
- Check – Collect & Analyze Facts
- Act – Correct Performance

The 5 LEADER-SHIPS OF TRANSFORMATION



The Change Leader-Ship

The Project Leader-Ship

The Innovation Leader-Ship

The Process Leader-Ship

The Improvement Leader-Ship

**Ingenium
Telehealth
Tuesday**

**Ingenium
Digital Health Advisors**

After the Q&A:

Health Center of the Future
Education Survey

Subscribe to Telehealth Tuesday
(a weekly column)

Community Health Center of the Future

A Framework

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THE DESIRED OUTCOME

“A cohesive set of comprehensive insights and pragmatic recommendations across a wide spectrum of elements that describe the health center of the future coalescing the diverse expertise of [a] multidisciplinary team.”

Community
Health Center
of the Future

THE VALUE OF ACHIEVING THE DESIRED OUTCOME

Offer Community Health Center Leaders
a valuable, pragmatic guide
on how to prepare for and move towards
transforming their organization into a
“Community Health Center of the Future”

Community
Health Center
of the Future

The Framework

COMMUNITY-
FOCUSED
CARE MODEL

ENHANCED
PARTNER- &
RELATIONSHIPS

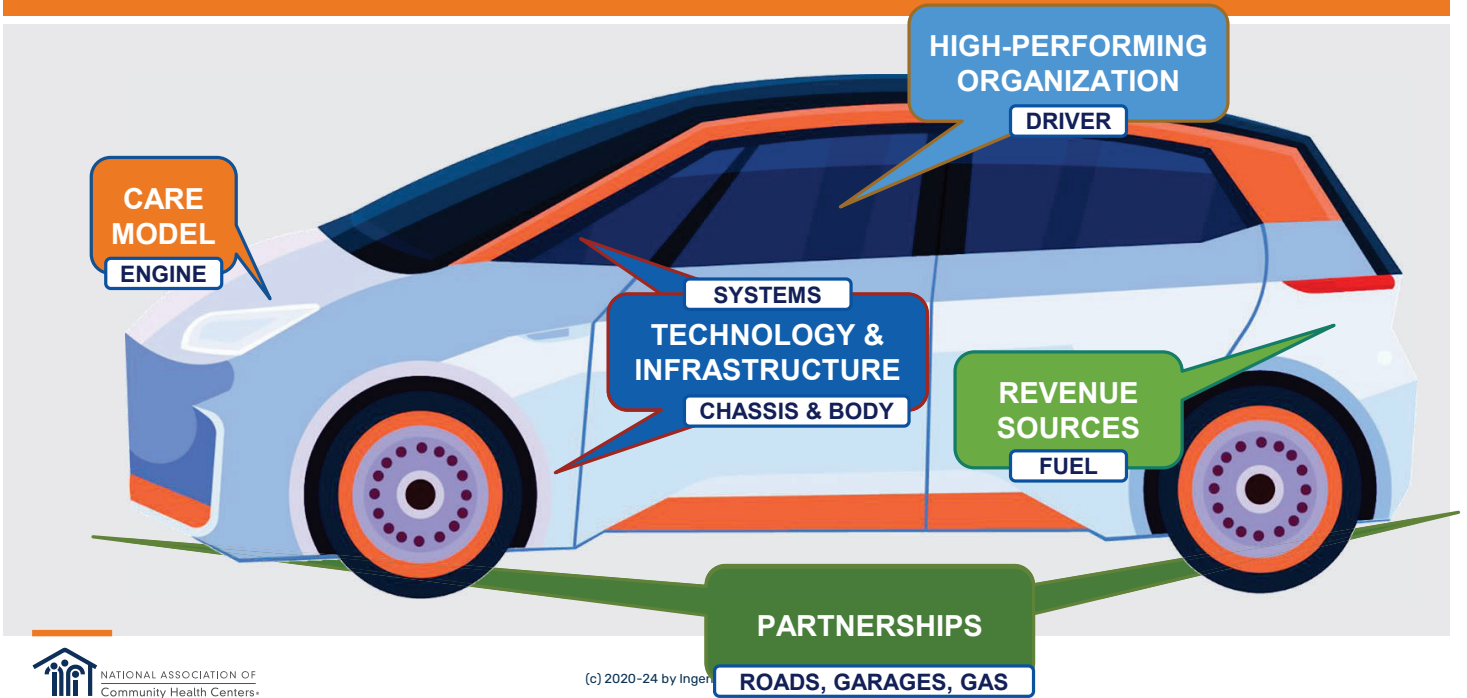
EVOLVING
BUSINESS
MODELS

ENABLING & SUPPORTIVE TECHNOLOGIES

HIGH-PERFORMANCE CAPABILITIES

HEALTH CENTER OF THE FUTURE

HEALTHCARE CENTER OF THE FUTURE



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HEALTH CENTER OF THE FUTURE

NACHC Health Center of the Future: Overview

Health Center of the Future Model

Community Health Center of the Future: A Framework

HEALTH CENTER OF THE FUTURE

COMMUNITY-FOCUSED CARE MODEL, ENHANCED PARTNER & RELATIONSHIPS, EVOLVING BUSINESS MODELS, ENABLING & SUPPORTIVE TECHNOLOGIES, HIGH-PERFORMANCE CAPABILITIES

Check out Our New Webpage



www.nachc.org/training-events/training-for-health-center-professionals/health-center-of-the-future/

Community Health Center of the Future

YOUR INTEREST IN
EDUCATIONAL OFFERINGS



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SURVEY INVITATION

**YOU'RE
INVITED**

Which
Skills, Strategies & Tactics
for leveraging
Enabling & Supportive Technologies
would be of most relevance and urgency
to your Health Center?

[Survey Link](#)

Community
Health Center
of the Future

*Thank
you!*




Let's Stay in Touch

Christian Milaster

Founder & CEO

Ingenium Digital Health Advisors



 (657) 464-3648

 Christian.Milaster@IngeniumAdvisors.net

 [/in/ChristianMilaster](https://www.linkedin.com/in/ChristianMilaster)

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