

THE FUTURE OF HEALTHCARE & MEDICINE

From sick care to predictive, personalized, connected healthcare.

For more than three decades, Jim Carroll has helped healthcare systems, pharmaceutical companies, medical-device leaders, pharmacists and clinicians understand the accelerating science and technology reshaping medicine.

Yesterday's medical breakthrough was a new drug. Tomorrow's is the intelligent algorithm that designs it, the connected device that delivers it, and the data stream that confirms it worked.



GOOD HEALTH ONLINE. 1997.

Years before digital health became a category.

Jim Carroll and Rick Broadhead wrote Good Health Online: A Wellness Guide for Every Canadian. It explored networked medical information, information quality, the doctor-patient relationship and the increasingly informed patient.

The information-empowered patient was not a future trend. It was already beginning.



BEFORE DIGITAL HEALTH WAS A BUZZWORD.

E-health, risk, devices, supply chains and medical knowledge.

01

GLAXO WELLCOME

Internet-era healthcare, medical knowledge growth and e-health strategy.

02

ROCHE DIAGNOSTICS

Diagnostics, medical devices, supply-chain integration and clinical technology.

03

ASHRM

3,000+ healthcare risk managers, CEOs and clinicians: the future of healthcare risk.

04

CONSORTA + HIDA

Healthcare supply chain, patient safety, barcode/RFID and logistics velocity.

05

MDS NORDION

Full-day executive strategy session on nuclear medicine, medical isotopes and scientific innovation.

06

AAO + ADA

Ophthalmology and dentistry: digital health, laser treatment and emerging medical technology.

THREE DECADES INSIDE MEDICAL CHANGE.

From e-health to AI-native medicine.

1997-05

E-HEALTH + CONNECTED CARE

Empowered patients, EHR, risk, diagnostics, devices and supply-chain transformation.

2006-12

HEALTHCARE 2020

Preventative genomics, virtual care, retail health and just-in-time knowledge.

2013-18

PERSONALIZED MEDICINE

Pharmacogenetics, connected devices, 3D materials and pharmacy transformation.

2019-23

VIRTUALIZATION + ACCELERATION

Pfizer, PhRMA, Genentech, digital therapeutics and post-pandemic transformation.

2024+

AI-NATIVE MEDICINE

AI clinical trials, algorithmic diagnostics and continuous physiological intelligence.

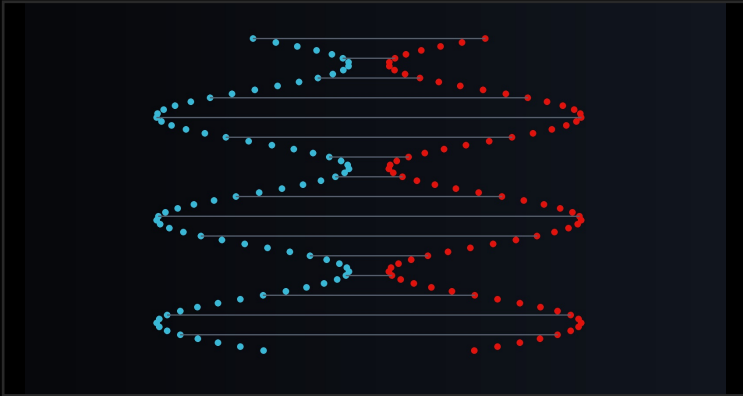
FROM SICK CARE TO HEALTHCARE.

Predict. Prevent. Personalize.

01

PREDICT

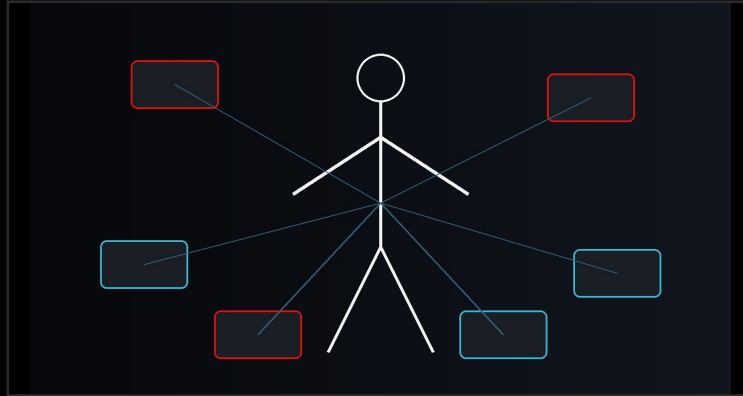
Genomics, AI and continuous data identify risk before symptoms appear.



02

PREVENT

Care moves upstream toward wellness, diagnostics and earlier intervention.



03

PERSONALIZE

Treatment increasingly reflects individual biology, response and context.



THE SCIENCE SCREAMS FORWARD. THE SYSTEM CRAWLS BEHIND.

Leadership must bridge the acceleration gap.

Medical knowledge, AI, devices and genomics can move far faster than reimbursement, regulation, procurement, workforce development and organizational culture. The leadership challenge is to move quickly without sacrificing evidence, ethics, safety or trust.

Healthcare leaders need to be faster than the institution - and more disciplined than the technology.



THIS IS A BIG SECTOR. THE KEYNOTE SHOULD BE SPECIFIC.

Hospital leaders, pharma executives and pharmacists do not need the same speech.

01

THE HEALTHCARE REBOOT

A new operating system for a data-driven, predictive world.

02

MEDICINE AT THE SPEED OF AI

Diagnostics, clinical decisions, discovery and the algorithmic medical partner.

03

PERSONALIZED MEDICINE

Genomics, pharmacogenetics and patient-of-one care.

04

THE DISAPPEARING HOSPITAL

Bio-connectivity, virtual care and the extension of care into the home.

05

THE FUTURE OF PHARMACY

Diagnostics, community care, digital therapeutics and expanded practice.

06

LEADERSHIP IN THE ACCELERATION OF SCIENCE

How to lead when knowledge and capability move faster than institutions.

THE LANDSCAPE IS BEING REWRITTEN.

Multiple trends collide at once.

01

PREVENTION

Predict and intervene earlier.

03

BIO-CONNECTIVITY

Care beyond the walls.

05

AI DIAGNOSTICS

Augmented clinical decisions.

07

JUST-IN-TIME EXPERTISE

Knowledge on demand.

09

LONGEVITY

Healthspan becomes the goal.

02

ACCELERATED SCIENCE

Gene therapy, regenerative medicine, new materials.

04

EMPOWERED PATIENT

Data-rich, informed, demanding.

06

REAL-TIME DATA

Continuous health intelligence.

08

REDEFINED PHARMACY

Front-line community care.

10

INDUSTRY CONVERGENCE

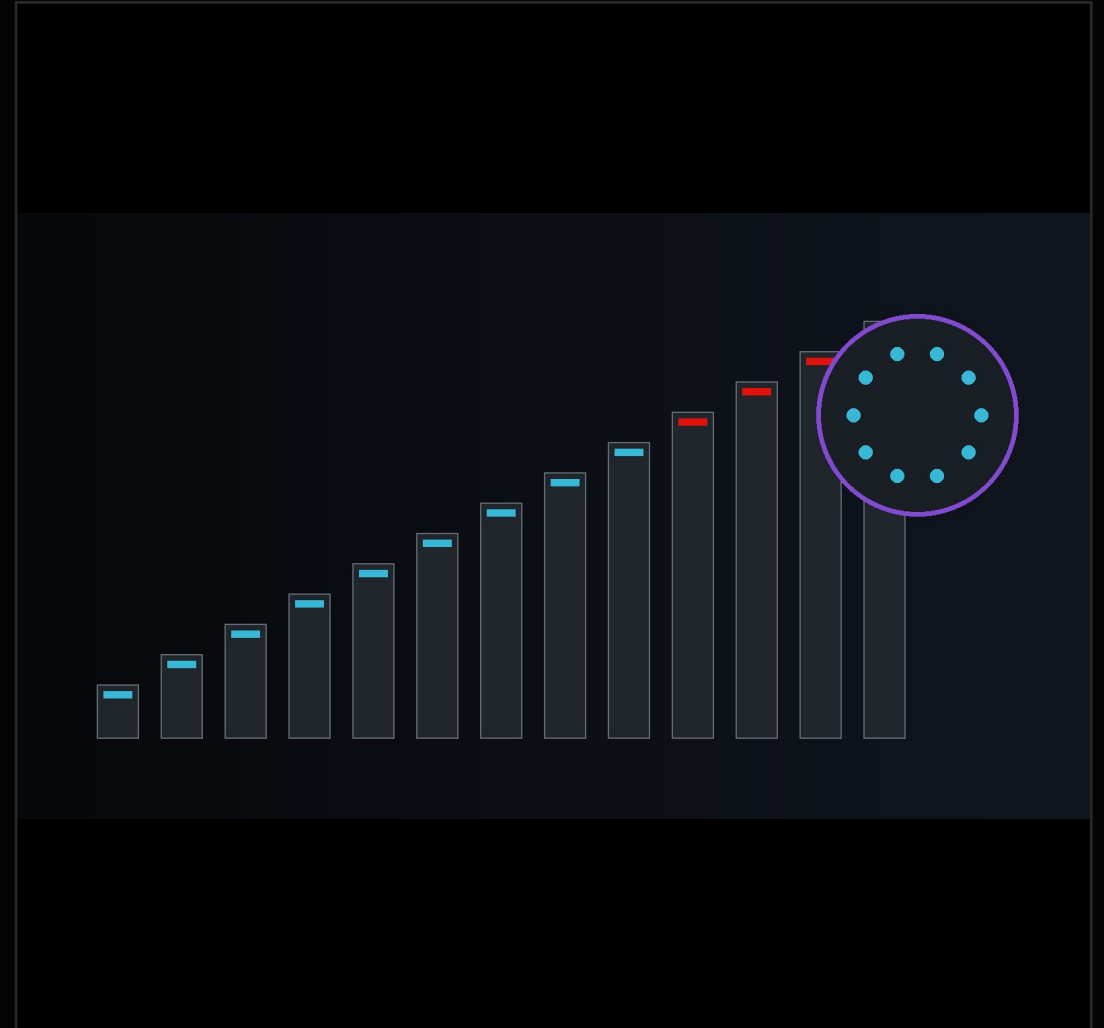
Tech, food, insurance, devices and medicine blur.

NO CLINICIAN CAN KEEP UP ALONE.

Just-in-time knowledge becomes a core clinical capability.

Medical knowledge has moved from a world where doubling took years toward a world where the knowledge base can expand in months. Healthcare systems need better ways to deliver current evidence to the right professional at the moment of need.

It used to be about what you know. Now it is also about how fast you need to know it.

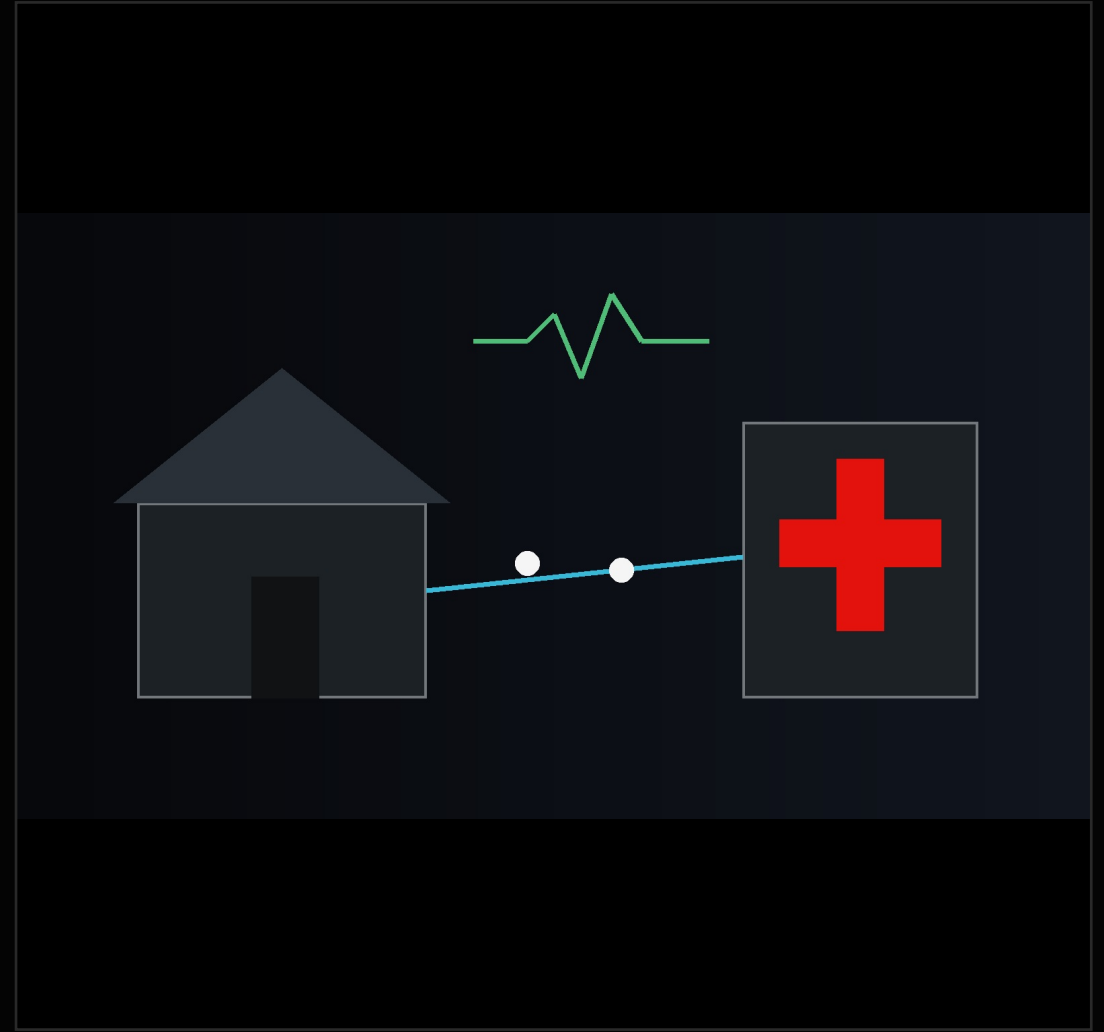


THE HOSPITAL STARTS TO DISAPPEAR.

Care extends into the community and the home.

Connected medical devices, telehealth, remote patient monitoring, wearables and home diagnostics move healthcare beyond a facility-centric model.

The future hospital becomes as much a network as a place.

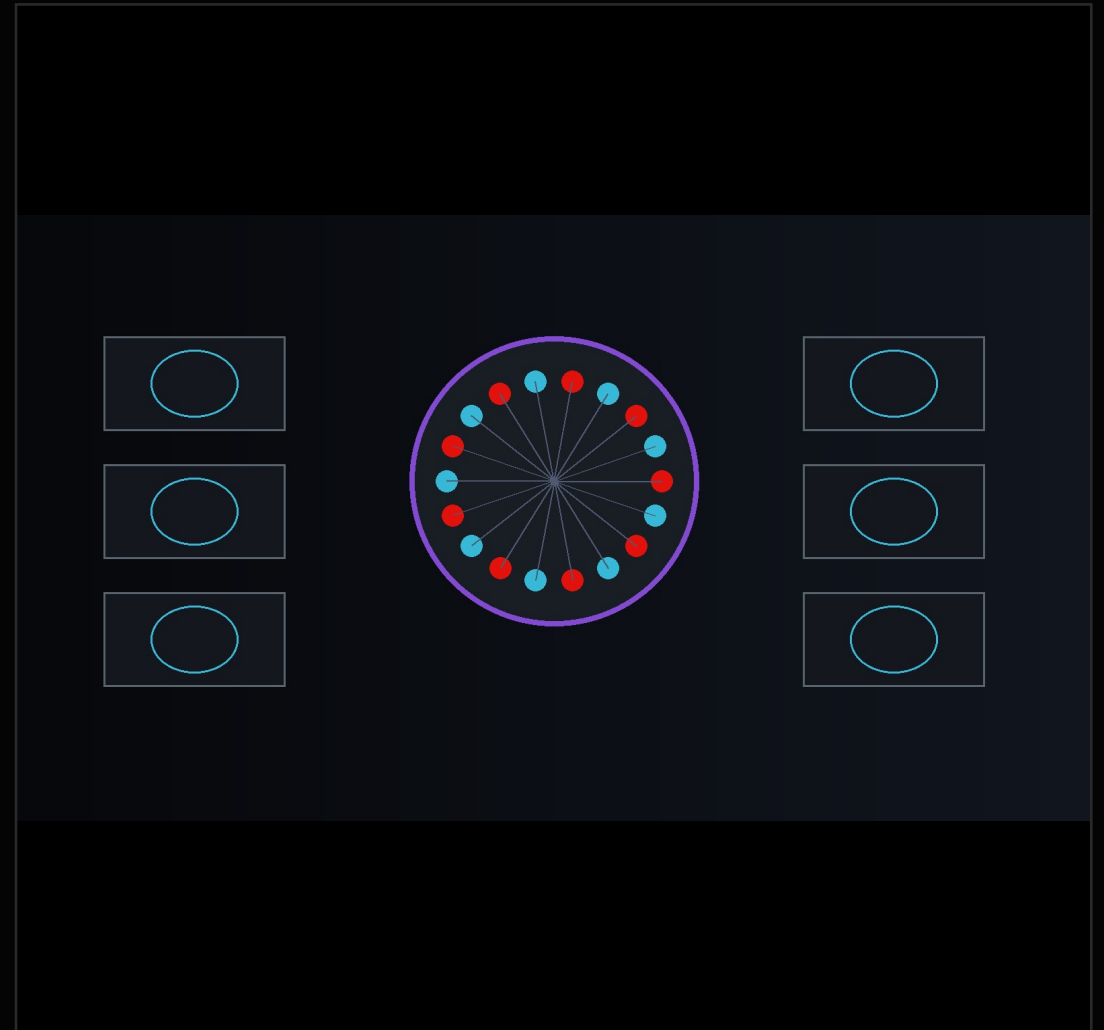


THE ALGORITHM BECOMES A MEDICAL PARTNER.

AI augments a clinician facing more data and knowledge than any human can carry.

Medical imaging, diagnostic support, treatment planning, documentation, drug discovery and trial design are increasingly computational. The strategic issue is how to integrate AI safely, transparently and usefully.

The opportunity is not replacing the clinician. It is expanding what the clinician can see.

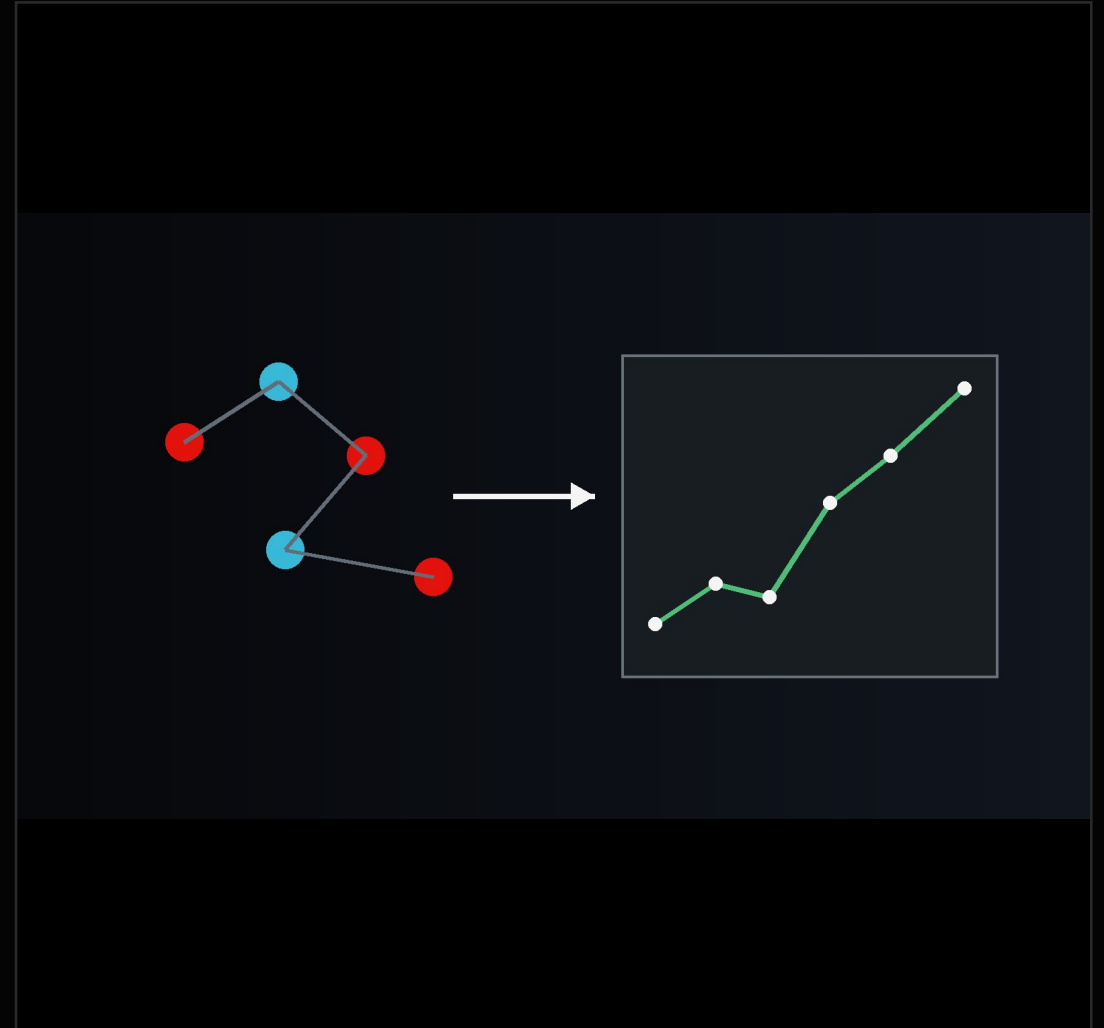


FROM BLOCKBUSTERS TO PATIENTS OF ONE.

Genomics changes the logic of drug development.

Pharmacogenetics and biomarkers shift treatment from broad averages toward specific patient profiles. At the same time, AI accelerates candidate molecule selection, clinical trial recruitment and response prediction.

The future drug may be designed for you, not for the average patient.

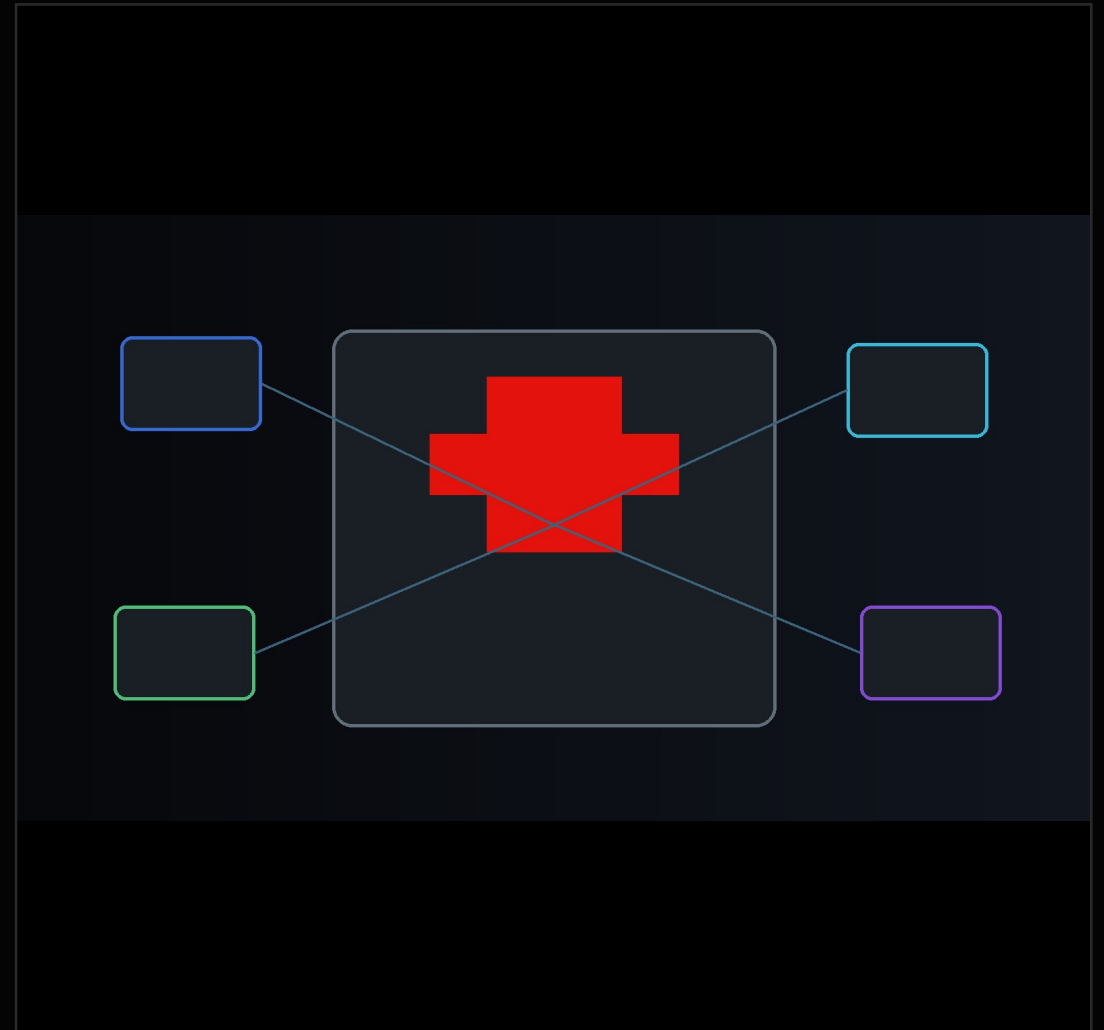


PHARMACY MOVES TO THE FRONT LINE OF CARE.

From dispensing to diagnostics, prevention and community health.

Vaccination, diagnostics, adherence, chronic-care support, digital therapeutics and expanded practice transform the pharmacist's role. Jim was discussing the retail-health shift years before it became a mainstream delivery model.

The pharmacy is not simply where the prescription ends. It increasingly becomes where care begins.

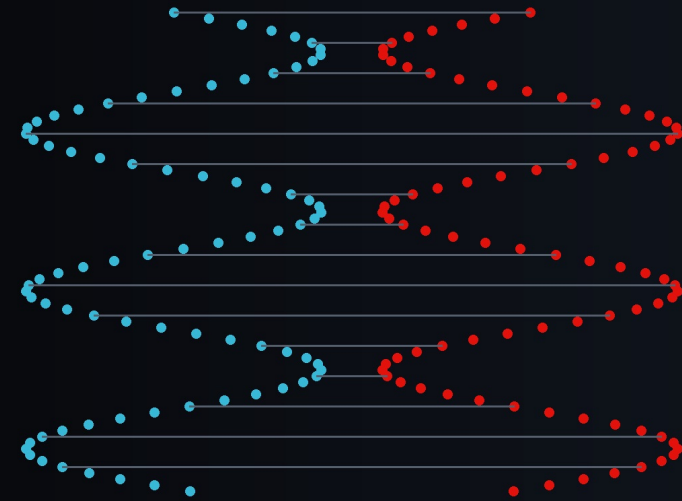


WE STOP TREATING THE AVERAGE HUMAN.

The patient becomes a dataset of one.

Genomic sequencing, pharmacogenomics, biomarkers, AI and continuous monitoring create increasingly individualized treatment. Medicine becomes more predictive and precise - but also more complex to finance, regulate and deliver.

Tomorrow's cure lies not in a universal pill, but within our own genetic code.



FASTER SCIENCE CREATES FASTER RISK.

Governance models must accelerate with the science.

01

CLINICAL

New therapies and accelerated adoption.

02

ALGORITHMIC

Bias, validation, explainability and oversight.

03

CYBER-PHYSICAL

Connected devices create new attack surfaces.

04

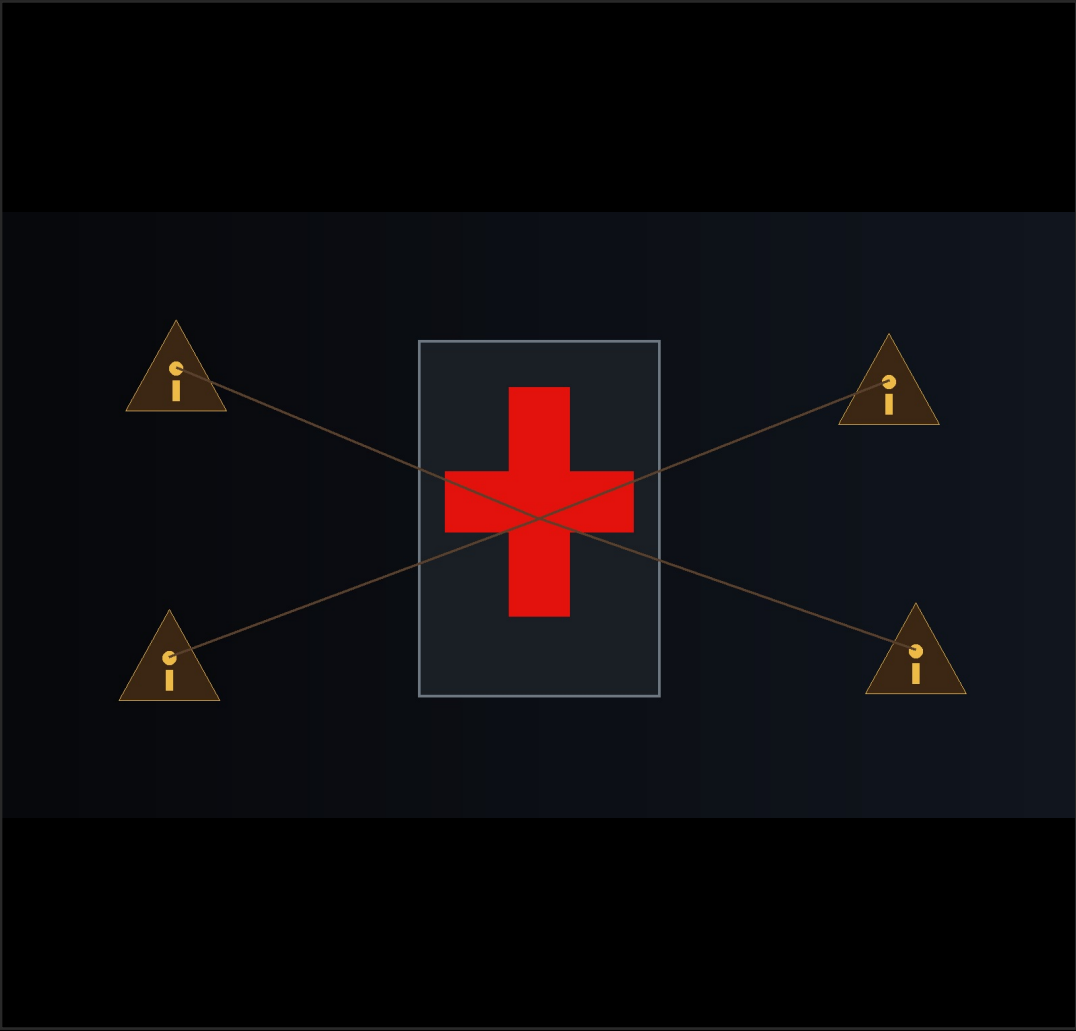
DATA

Privacy, consent and continuous health streams.

05

KNOWLEDGE

Standards and best practices can become stale quickly.

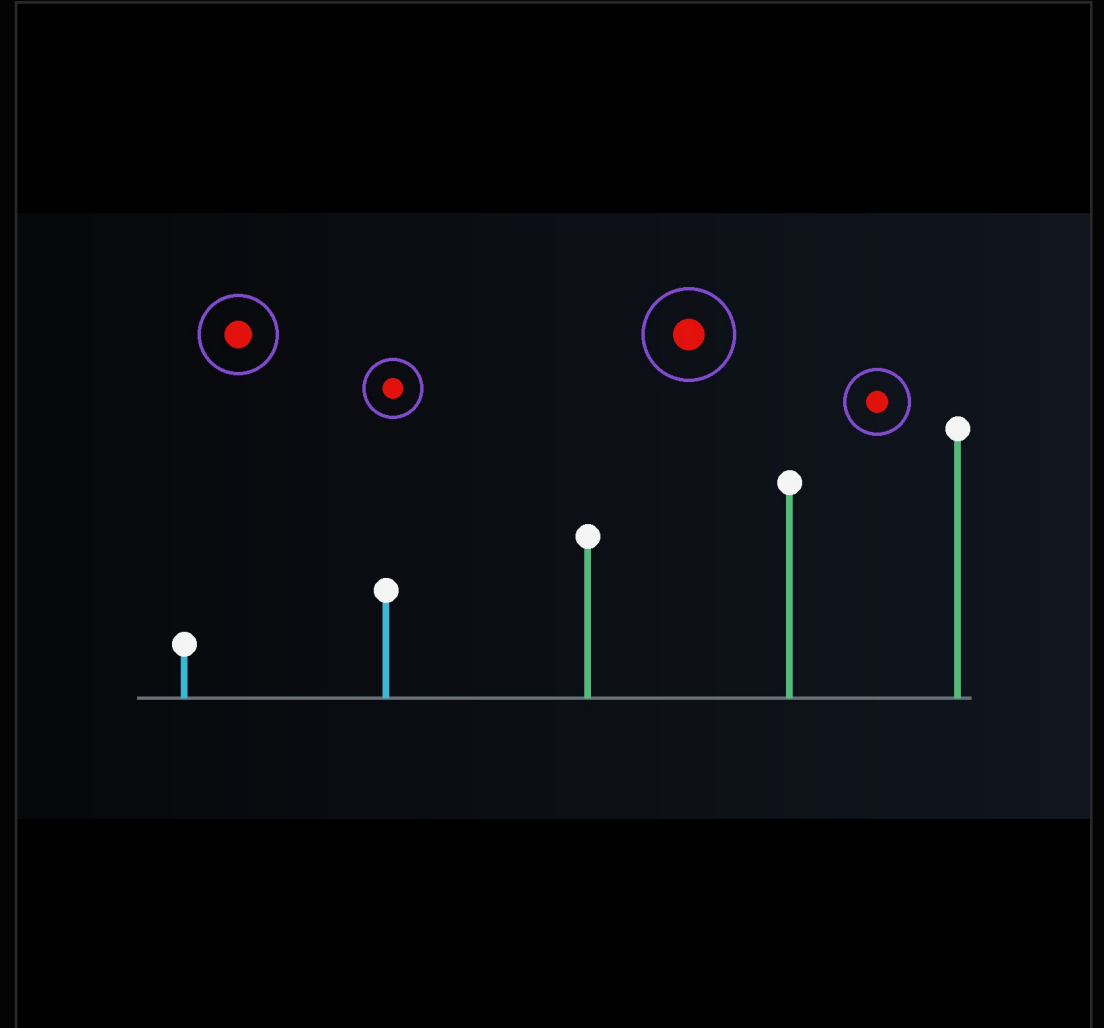


THE GOAL SHIFTS FROM LONGER LIFE TO BETTER LIFE.

Healthspan becomes the next major frontier.

Regenerative medicine, brain science, gene therapy, biomaterials and earlier diagnostics expand the ambition of medicine beyond simply treating disease toward extending healthy years.

**The future of longevity is not simply more years.
It is more useful years.**



THE THESIS HAS BEEN CONSISTENT FOR DECADES.

From informed patients to AI clinical trials.

1997

EMPOWERED PATIENT

Networked information changes the doctor-patient relationship.

2006

PREDICTIVE GENOMIC CARE

Healthcare shifts from react-and-repair toward predict-and-prevent.

2010

VIRTUALIZED CARE

Connected care extends the hospital into community and home.

2011

PHARMACIST AS CARE HUB

Community pharmacy expands into prevention and chronic-care support.

2024

AI CLINICAL TRIALS

AI improves candidate selection, enrollment and response prediction.

GENENTECH: THE ACCELERATION OF PERSONALIZED MEDICINE.

550 executives. Pharmacogenetics. Genomic medicine.

Jim's 2017 keynote explored the shift from sick care toward personalized healthcare in a company already working at the front edge of genomic medicine. The discussion connected accelerating science with the strategic opportunities created by pharmacogenetics.

The future of medicine is increasingly targeted, precise and individualized.

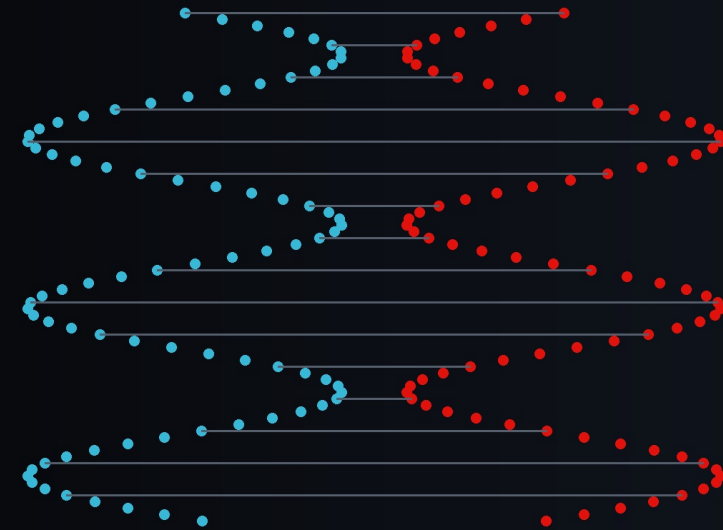


PFIZER: THE ACCELERATION OF HEALTHCARE.

Global leadership in Paris - months before the pandemic.

Genomic science, gene therapy, medical-device connectivity, the changing patient-doctor relationship and exploding medical knowledge were the core themes for a global Pfizer leadership team examining what would define the next healthcare era.

Healthcare was already accelerating before the pandemic. The pandemic accelerated the acceleration.



ICON PLC: AI IN CLINICAL PHARMA TRIALS.

A CEO-led strategy meeting focused on real AI opportunity.

ICON manages complex global clinical trials, including the large Pfizer/BioNTech vaccine trial. Jim's 2024 CEO-level session explored how AI could identify candidate molecules faster, improve patient recruitment, predict response and reshape the clinical-trial business model.

"You were phenomenal... wow the feedback on your session has been fantastic!"

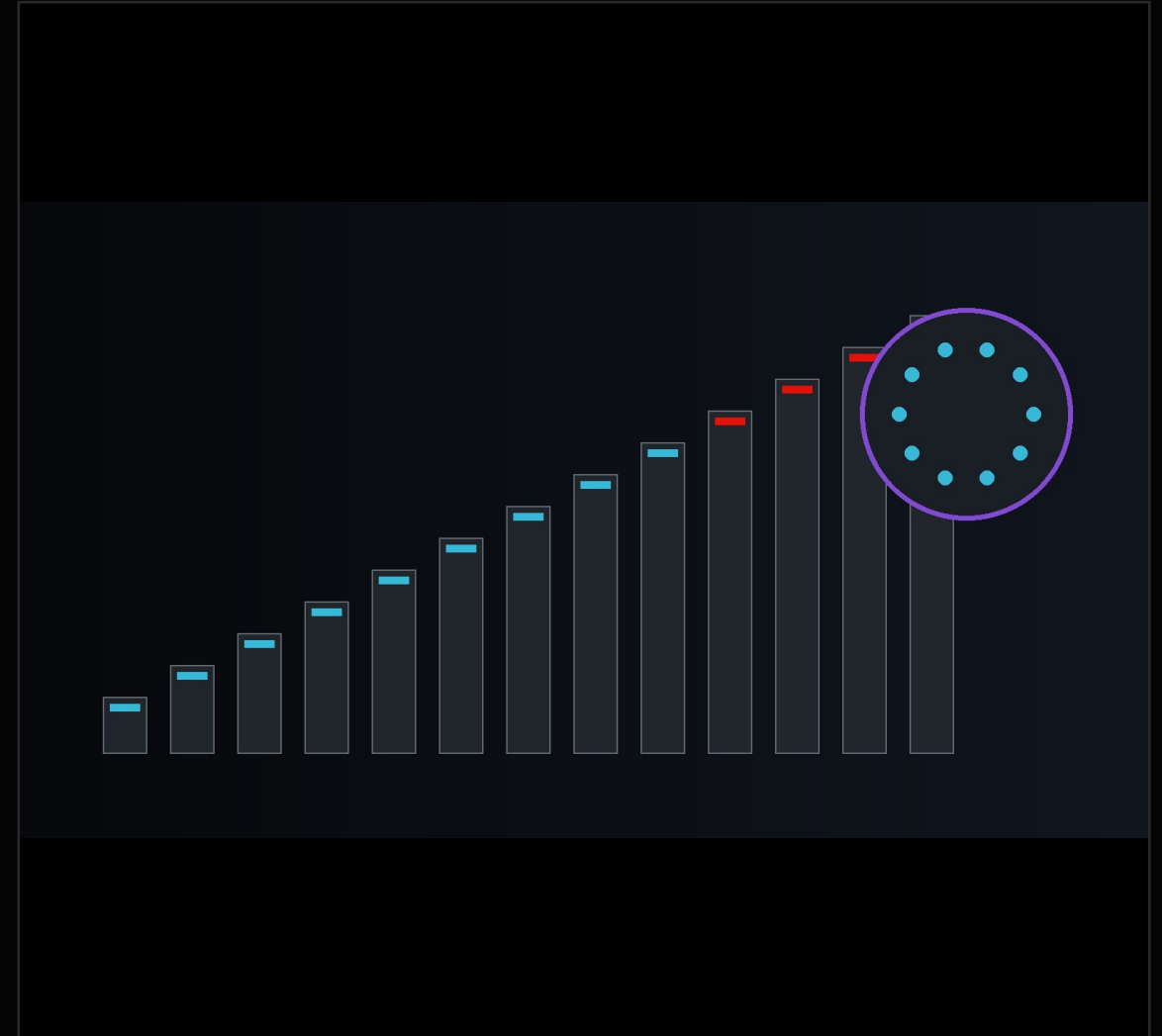


PhRMA: BEYOND POLITICS - THE SCIENCE OF HEALTHCARE.

The acceleration of healthcare in the era of exponentiation.

For the Pharmaceutical Research and Manufacturers of America, Jim focused on the scientific and technological trends redefining biopharmaceutical research and healthcare rather than the policy debate surrounding it.

"The best speaker we've ever had, bar none!"



ORTHOPAEDICS: SCIENCE FICTION BECOMES CLINICAL REALITY.

Bionic limbs. 3D printed body parts. Connected implants.

For more than 500 orthopaedic executives, Jim connected accelerating materials science, device connectivity and advanced medical technologies to the changing business and clinical realities of the profession.

Yesterday's science fiction becomes tomorrow's standard of care.

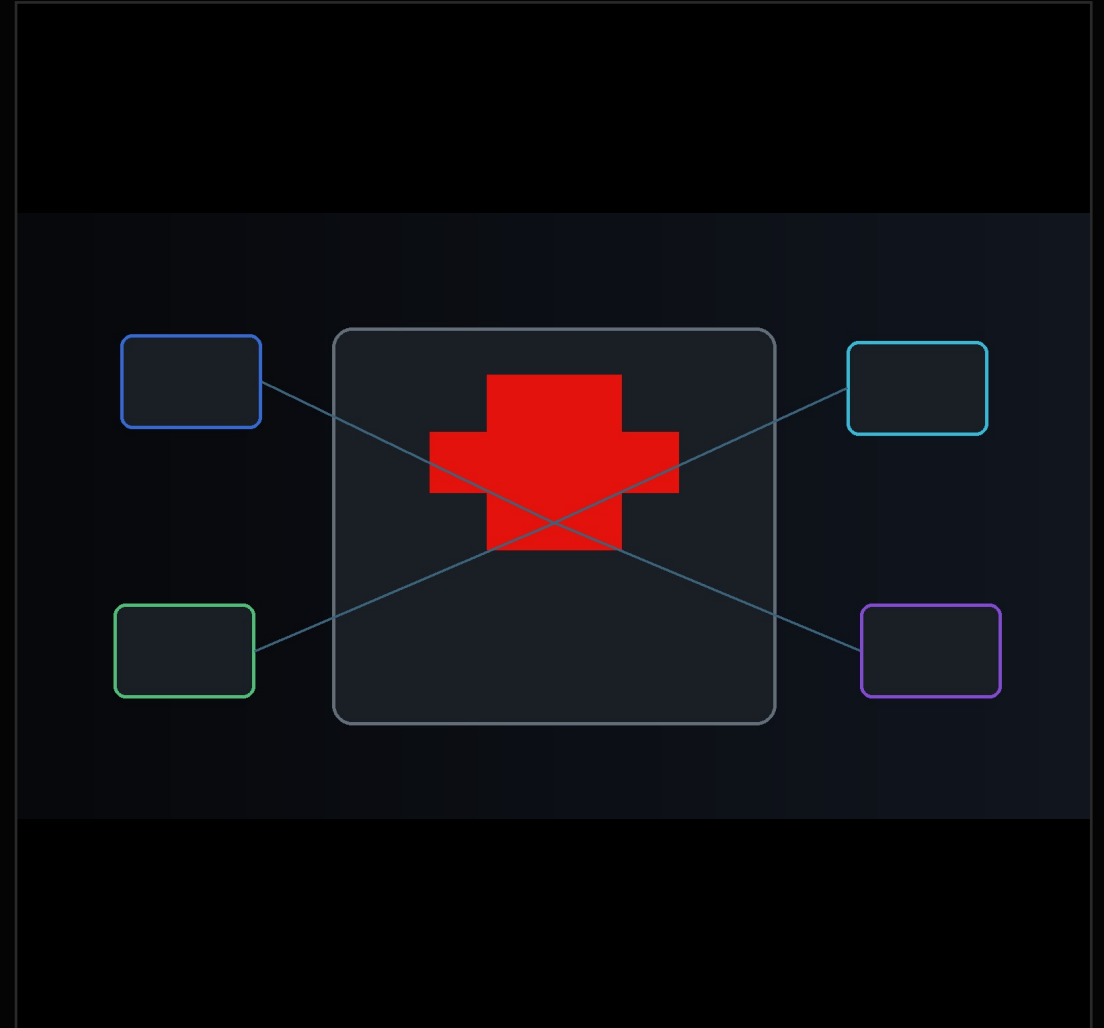


McKESSON + PHARMACY: THE PROFESSION EXPANDS.

Thousands of community pharmacy leaders looking toward Healthcare 2020.

At McKesson IdeaShare 2011, Jim challenged thousands of independent pharmacy owners to see digital health records, adherence technology, chronic disease management and expanded scope of practice as a once-in-a-generation opportunity.

The pharmacist of the future could become a central figure in preventative healthcare.



THE CONNECTIVE TISSUE OF CARE.

Safety, logistics, data and distribution have always been part of the medical story.

01

CONSORTA

Healthcare transformation through supply-chain change for a major GPO.

02

HIDA

Barcode/RFID tracking, patient safety and logistics velocity.

03

McKESSON

Distribution as part of a rapidly digitizing healthcare system.

04

CAPDM

Pharmaceutical logistics and distribution management.

05

ROCHE DIAGNOSTICS

Diagnostic technology and supply-chain integration.

06

HENRY SCHEIN

Medical, dental and veterinary products in an Amazonified world.

ACROSS THE HEALTHCARE ECOSYSTEM.

Pharma, biotech, hospitals, devices, pharmacy, dental, veterinary and wellness.

01

PHARMA + BIOTECH

Pfizer • PhRMA • Genentech • Roche • Boehringer Ingelheim • Emergent BioSolutions • ICON plc
• World Pharma Congress • Celgene / Sentic

02

HOSPITALS + HEALTH SYSTEMS

Ontario Hospital Association • Minnesota Hospital Association • Pennsylvania Hospital Association • Mercy Health • St. Joseph's Healthcare • Providence Health

03

MEDICAL DEVICES + SUPPLIES

Stryker • Phillips Medical Devices • Henry Schein • MDS Nordion • Roche Diagnostics

04

PHARMACY + DISTRIBUTION

McKesson • National Pharmacy Forum • NCPDP • PCCA • HIDA • Consorta • CAPDM

05

MEDICAL ASSOCIATIONS

American Medical Association • AAOE • American Academy of Ophthalmology • American Dental Association • AHCA

06

DENTAL + VETERINARY + WELLNESS

Invisalign / Align Technology • Cain Watters • Ontario Dental Association • Patterson Veterinary • NAVC • Magellan • Anthem • Highmark

THE FEEDBACK IS AS SPECIFIC AS THE WORK.

Health-sector comments plus broader leadership feedback.

"The best speaker we've ever had, bar none!"

PhRMA

"You were phenomenal... wow the feedback on your session has been fantastic!"

ICON PLC

"A stunning keynote with extremely powerful insight. Humour, energy, deep research and relevant content for our audience. We loved him!"

CLIENT EVENT

"Revenue reinvention. The acceleration of science. The transformation of industry. I could barely keep up with the blistering pace of the change that is coming at us."

CLIENT LEADERSHIP

THE SCIENCE IS TOO COMPLEX FOR A GENERIC SPEECH.

Research before rhetoric.

25-50+

HOURS OF CUSTOM RESEARCH

Scientific literature, market data, clinical technology, company strategy, stakeholder calls and current developments.

A pharma R&D team, a hospital board, pharmacists and medical-device executives require different trend maps.

LISTEN → RESEARCH → MAP THE SCIENCE → BUILD THE STORY → CONNECT THE ROOM → LEAVE A PLAYBOOK



WHAT SHOULD HEALTHCARE LEADERS DO NEXT?

Ten actions for an accelerating medical future.

01

SHIFT TO PREVENTION

Make predictive and preventative care a strategic lens.

03

THINK LIKE A TECH COMPANY

Treat data and software as core capabilities.

05

MASTER JUST-IN-TIME KNOWLEDGE

Get current evidence to professionals when they need it.

07

SOURCE IDEAS FROM OUTSIDE

Patients, startups and frontline staff become innovation partners.

09

EXPERIMENT BOLDLY

Think big, start small and scale what works.

02

VIRTUALIZE CARE

Extend the organization beyond its walls.

04

HARNESS AI

Move beyond pilots into carefully governed workflows.

06

DESIGN FOR THE EMPOWERED PATIENT

Build around participation and shared decision-making.

08

REINVENT THE WORKFORCE

Upskill for data, devices, AI and virtual care.

10

CHALLENGE ASSUMPTIONS

What made the system successful yesterday may constrain it tomorrow.

WHAT DOES YOUR HEALTHCARE LEADERSHIP TEAM NEED TO UNDERSTAND NEXT?

You do not need a finished brief before getting in touch.

01

AUDIENCE + SECTOR

Hospital? Pharma? Pharmacy? Device? Medical association? Health plan?

02

KEYNOTE DIRECTION

AI, genomics, virtual care, pharmacy, science acceleration or leadership.

03

CUSTOMIZATION

Stakeholder calls, scientific research and event integration.

04

PRACTICAL DETAILS

Timing, format, fees, travel, logistics and the best next step.

DIRECT ACCESS TO JIM

Jim is always pleased to jump on a quick exploratory Zoom or phone call to learn more about the audience, discuss the issues you want to address and talk through possible keynote directions.

CONTACT JIM

THE FUTURE OF MEDICINE IS BEING BUILT, CODED AND GROWN TODAY.

The opportunity is extraordinary. So is the leadership challenge.



**THINK BIG. START SMALL. LEARN FAST.
SCALE WHAT WORKS.**

The science will keep accelerating. The data will keep expanding. The patient will keep changing. The organizations that win will be those that can turn rapid discovery into safe, useful, human-centered care.