

FII INSTITUTE LAUNCHES
NEW **HEALTHY HUMANITY**
INITIATIVE

JACK HIDARY OF SANDBOXAQ
AND **SAM NAZARIAN** OF
SBE ENTERTAINMENT GROUP

**MERCK AND CLEVELAND
CLINIC** ABU DHABI OUTLINE THE
OPPORTUNITIES AHEAD

**PROFESSOR ADAH
ALMUTAIRI** EXPLAINS HOW
SOCIETY WILL BE RESHAPED

FRONTIERS OF INNOVATION

IMPACT

HEALTH
CARE

AN FII INSTITUTE PUBLICATION

TRANSFORMING
HEALTHCARE
FOR A HEALTHY
HUMANITY

EDITORIAL

TRANSFORMING HEALTHCARE FOR A HEALTHY HUMANITY

→ **THE GLOBAL HEALTH LANDSCAPE IS AT A critical juncture.** By 2030, more than 1.4 billion people will be over 60, straining health systems worldwide. Despite increased life expectancy, many now face prolonged periods of poor health. Non-communicable diseases (NCDs) are projected to impose a staggering economic burden exceeding \$47 trillion. Alarmingly, more than 1 billion people still lack access to basic healthcare, and 45% of the global population encounters barriers to preventive care.

At the FII Institute, we recognize the urgency of these challenges. Our Healthy Humanity initiative, launched at FII8, champions preventive care, innovation and equity. Leading corporations have already committed to offering free preventive health checkups for employees. With projections indicating that 50% of the world's population could be overweight or obese by 2035, prevention is imperative.

Join us in transforming global health:

- ➔ **Innovate:** Leverage advancements in AI and quantum computing to revolutionize healthcare delivery.
- ➔ **Advocate:** Promote policies that ensure equitable access to preventive care for all.
- ➔ **Participate:** Encourage your organization to provide preventive health check-ups and wellness programs.

Investing in healthy longevity could add 45 billion high-quality years to human life – translating to six extra years per person. The path forward is clear: mobilize now, innovate relentlessly and deliver real impact. The time for talk is over. The time to act is now.

Together, we can reshape the future of healthcare and ensure a healthier tomorrow for all.



Richard Attias

Richard Attias

Chairman of the Executive Committee, FII Institute; Chairman & Founder, RA&A

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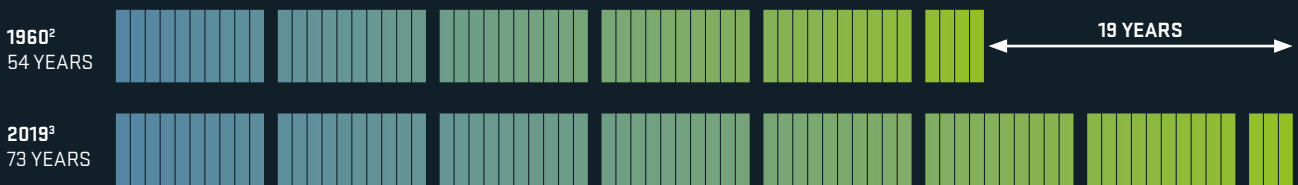
X @fiiksa in FII Institute
 ▶ Future Investment Initiative
 @fiiksa @fii_institute

PREVENTION IS BETTER THAN CURE

The case for a Healthy Humanity focused on preventive healthcare is clear, once you dig into the data.

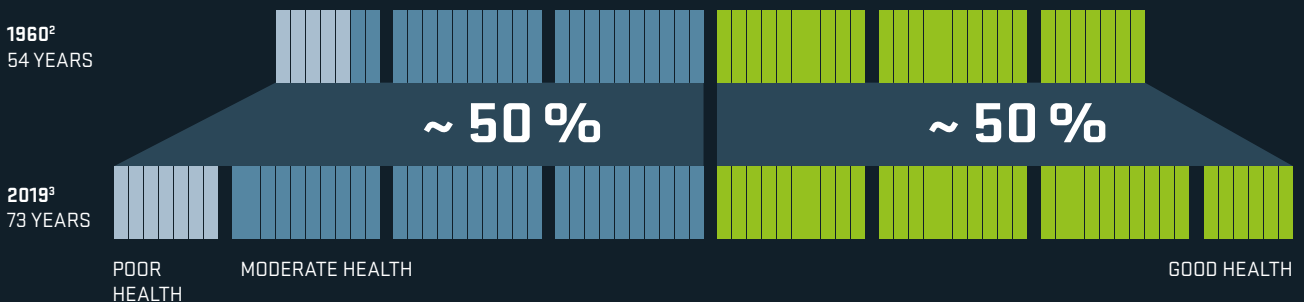
Globally, lives have gotten longer but not healthier

Increase in overall life expectancy over the past 60 years¹



Decrease in proportion of life in moderate and poor health

While lives are longer, the share of healthy years is the same



SOURCE: FII HEALTHY LONGEVITY COMPASS, 2024

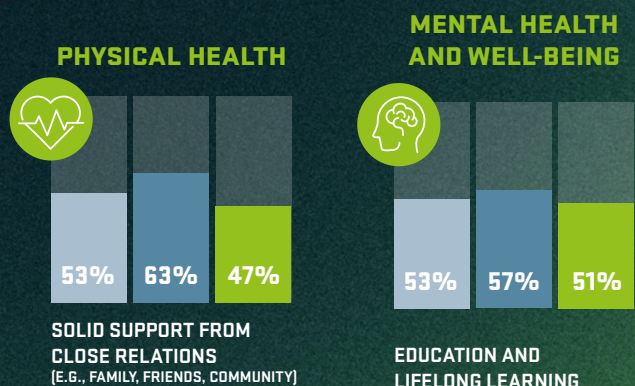
¹ Average global life expectancy and healthy years.

² Assumption-based extrapolation of proportion of good or ok health from 2019 data.

³ As of 2029

WHICH OF THE FOLLOWING FACTORS DO YOU BELIEVE ARE THE MOST IMPORTANT FOR A GOOD QUALITY OF LIFE?

SOURCE: FII PRIORITY COMPASS, 2024



51%

of global citizens are satisfied with availability of affordable healthcare

49%

of global citizens are dissatisfied with availability of affordable healthcare

48%

of global citizens believe their financial situation will be the most significant factor impacting their health and well-being in the future

SOURCE: FII PRIORITY COMPASS, 2024

57%

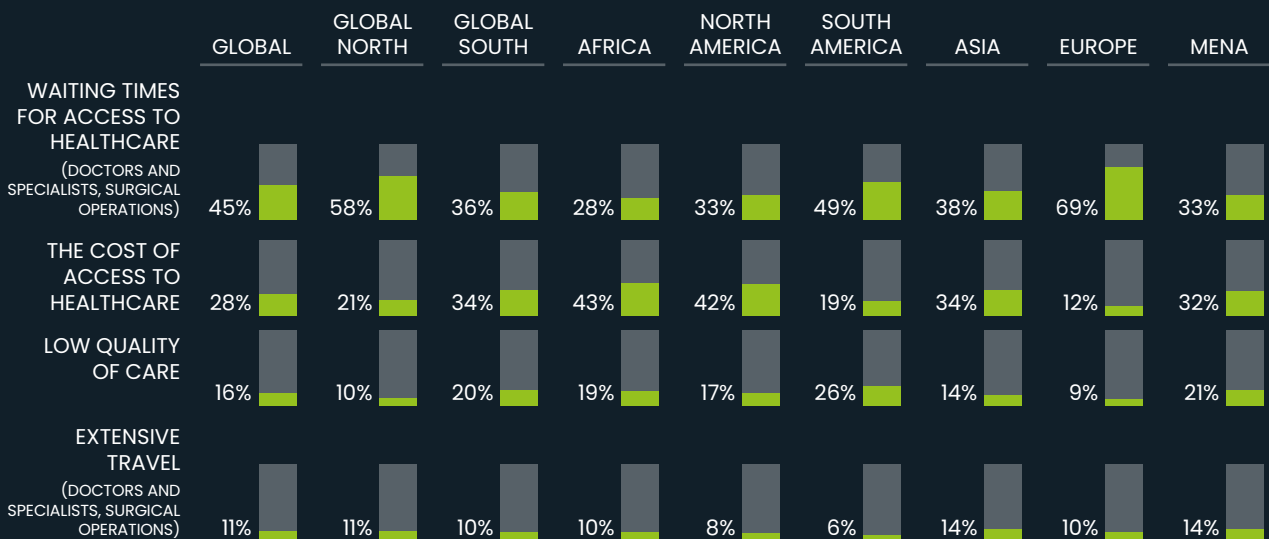
of global citizens are dissatisfied with the number of doctors in their country

54%

of global citizens are dissatisfied with mental health services

SOURCE: FII PRIORITY COMPASS, 2024

IN YOUR OPINION, WHAT IS THE MAIN REASON WHY PUBLIC HEALTHCARE IS NOT ACCESSIBLE ENOUGH IN YOUR COUNTRY?



SOURCE: FII PRIORITY COMPASS, 2024

To learn more and dig into the data, read our FII PRIORITY Compass and FII Healthy Longevity Compass on the FII website: fii-institute.org

WHY WE NEED A #HEALTHY HUMANITY

The case for action is increasingly clear as we dig into the data behind our global health issues.

GLOBAL HEALTH DISPARITIES

Billions lack access to affordable healthcare

RISING COSTS

Unsustainable growth in healthcare expenditure worldwide

PREVENTABLE DISEASES

Majority of global disease burden steams from preventable conditions

TECHNOLOGICAL POTENTIAL

Transformative power of AI, telemedicine and analytics

LIFESTYLE & QUALITY OF LIFE

Growing need to address quality of life and aging populations

“ Although people are living longer, they are not healthier.... People spend more time in moderate and poor health compared to any other point in history.”

FII HEALTHY LONGEVITY COMPASS

BUILDING A HEALTHY HUMANITY

Every building needs strong foundations – but multiple health problems, global deprivation and a disparity between the Global North and South highlight how tough the challenge is.

→ THE 21ST CENTURY HAS BROUGHT EXTRAORDINARY advancements in medicine, technology and wellness. Yet, despite increased global life expectancy – now at 73 years and projected to rise to 77 by 2050 – the quality of those years remains a pressing concern for many on our planet.

Nearly half the world's population spends significant portions of their lives in moderate to poor health, grappling with chronic diseases, mental health challenges and inadequate access to care. These health burdens present not only a humanitarian challenge but also an economic opportunity, with the community FII Institute convenes uniquely positioned to lead a global coalition for change, and a drive towards a Healthy Humanity.

UNDERSTANDING THE PROBLEM

The health challenges humanity faces today are monumental. Chronic conditions like cardiometabolic diseases and brain health issues account for a significant portion of the global disease burden. Brain-related health problems alone exceed all cancers combined, representing more than 10% of global disease burden. And while global healthcare spending has risen to \$8.3 trillion, disparities persist in both access and quality, with low- and middle-income countries bearing the brunt of preventable diseases and mortality.

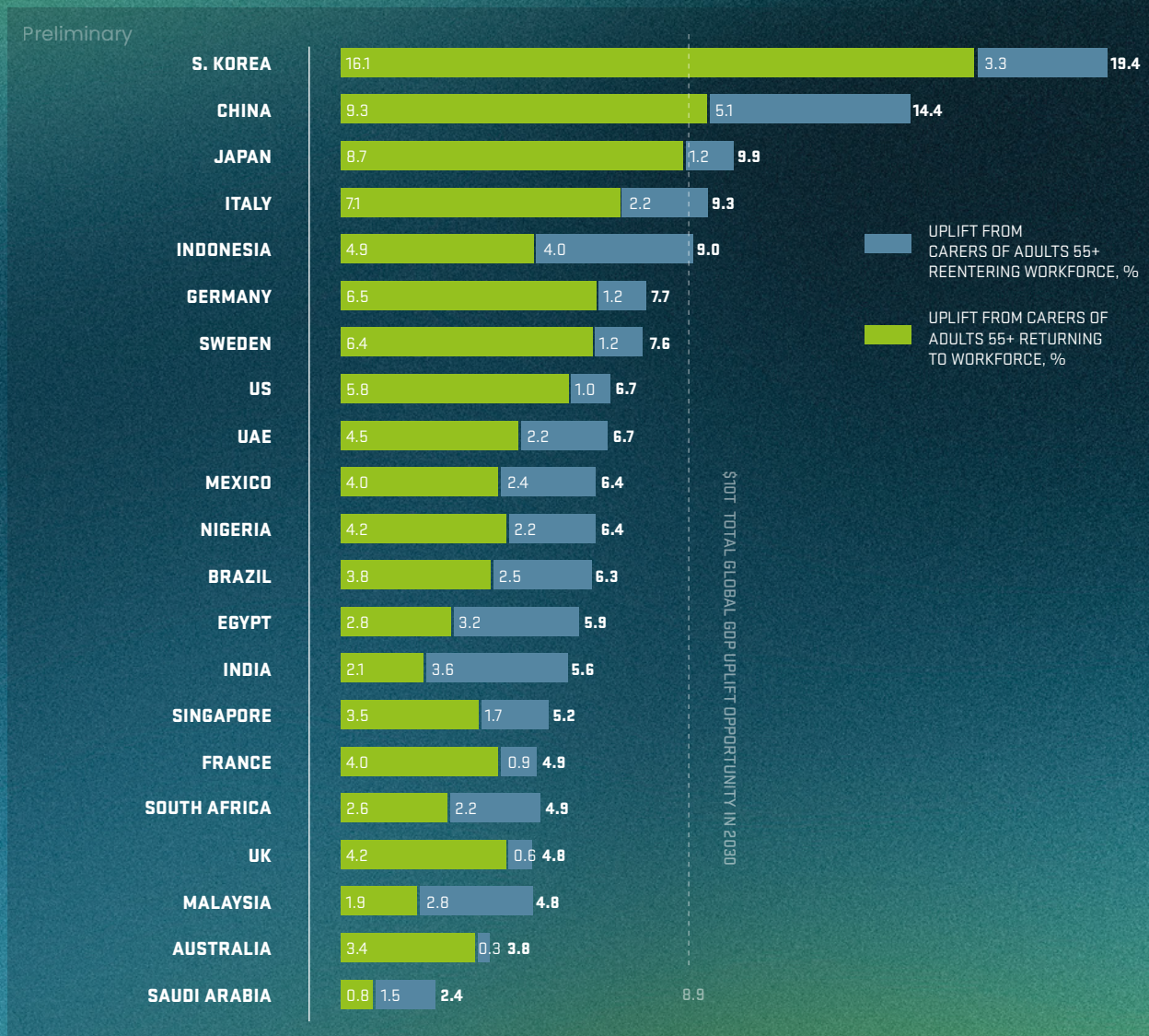
Demographics exacerbate the challenges. By 2050, adults over 50 will comprise one-third of the global population, with those aged 65 and older requiring extensive healthcare and support. Meanwhile, labor shortages across industries – particularly in high-income countries with aging populations – threaten economic stability, as fewer workers shoulder the rising costs of pensions and social care. →

Ensuring later years are lived healthily is increasingly important in an ageing population.



POTENTIAL TO ADD UP TO 9% TO GLOBAL GDP BY SUPPORTING ADULTS 55+ WHO AREN'T WORKING BUT WANT TO REENTER THE WORKFORCE

Potential economic opportunity by 2030,^{1,2} % uplift in GDP



SOURCE: MCKINSEY GLOBAL HEALTHY AGING SURVEY, 2023; OXFORD ECONOMICS, "GLOBAL ECONOMY DATA", ACCESSED SEPTEMBER 4, 2024; IHS MARKIT, "GLOBAL ECONOMY DATA", ACCESSED SEPTEMBER 4, 2024; WORLD BANK, "POPULATION ESTIMATES AND PROJECTIONS", ACCESSED SEPTEMBER 4, 2024; INTERNATIONAL LABOUR ORGANIZATION, "ILO MODELLED ESTIMATES AND PROJECTIONS DATABASE (ILOEST)", ILOSTAT, ACCESSED AUGUST 12, 2024

1 INCLUDES DIRECT UPLIFT FROM ADULTS AGED 55+ EMPLOYMENT AND ADDITIONAL EMPLOYMENT OF UNDER 55 CARERS THAT RETURN TO THE WORKFORCE. CALCULATION OF DIRECT UPLIFT IS THE PRODUCT OF THE UPLIFT IN TOTAL LABOR FORCE (FROM SUPPORTING OLDER ADULTS WHO AREN'T WORKING BUT WANT TO BACK TO RE-ENTER THE LABOR FORCE, ASSUMING A NATURAL RATE OF UNEMPLOYMENT PREVENTS FULL UPTAKE) AND THE TOTAL ANNUAL GDP ATTRIBUTABLE TO LABOR INCOME, USING 2030 GDP DATA AND 2024-2030 NATURAL UNEMPLOYMENT RATE FROM OXFORD ECONOMICS, 2030 LABOR FORCE POPULATION AND COMPENSATION DATA FROM THE IHS MARKIT, 2030 POPULATION COMPOSITION DATA FROM THE WORLD BANK, AND 2017-2021 AVERAGE LABOR SHARE OF GDP DATA AND 2021-23 LABOR FORCE COMPOSITION DATA FROM ILO. CALCULATION OF ADDITIONAL EMPLOYMENT OF UNDER 55 CARERS IS BASED ON PRIMARY AND PART-TIME CARER DATA FROM GLOBAL HEALTHY AGING SURVEY AND USES SAME GDP ASSUMPTIONS AS PER ABOVE.

2 OPPORTUNITY SIZE REPRESENTS THE TOTAL POTENTIAL GDP UPLIFT. SEVERAL FACTORS MAY DETERMINE HOW MUCH OF THIS OPPORTUNITY A COUNTRY MAY CAPTURE. FOR EXAMPLE, THE DEGREE TO WHICH A COUNTRY PURSUES AND/OR CAPTURES THE OLDER ADULT EMPLOYMENT OPPORTUNITY MAY BE DETERMINED BY STRUCTURAL CHARACTERISTICS OF EACH COUNTRY'S LABOR MARKET, INCLUDING RATES OF YOUTH UNEMPLOYMENT.



Innovative new technologies can improve our ability to understand the process of aging.

→ This growing health crisis presents a paradox. While longer lives are celebrated, these additional years are not necessarily healthy ones. (For more information on this, read our recent Impact report on AI and longevity.) Without innovative, collaborative and equitable interventions, the strain on global health systems will only intensify.

FINDING SOLUTIONS

Addressing the global health crisis the planet faces will require a multifaceted approach that encompasses scientific innovation, healthcare reform, societal participation and technological advancement. We have to unlock healthy longevity, which means not just living longer but living better.

Handily, we have some help at hand. AI stands at the forefront of revolutionizing healthcare. From predictive analytics that identify disease risk, to personalized medicine tailored to an individual's genetic makeup, AI offers solutions to some of the most persistent challenges in health. As you'll learn later in this report, we can build a Healthy Humanity using AI-powered diagnostics to analyze medical imaging with unprecedented speed

and accuracy, enabling earlier detection of conditions like cancer, while machine learning algorithms can uncover patterns in vast data sets, helping researchers understand the root causes of diseases such as Alzheimer's and diabetes. But AI alone can't solve the problem. We need a whole-society solution – and more help from other bits of tech.

Quantum computing, while still emerging, holds transformative potential to help bring us a Healthy Humanity. Its ability to process complex computations exponentially faster than traditional systems could revolutionize drug discovery and development. Quantum models may simulate molecular interactions with unmatched precision, accelerating the creation of treatments for conditions previously considered untreatable.

Quantum-powered simulations could lead to breakthroughs in curing neurodegenerative diseases by modeling protein misfolding in conditions such as Parkinson's. And it could help us avoid another Covid, using complex epidemiological modeling to help predict and mitigate pandemics more effectively. By convening experts in AI and quantum computing, the FII Institute can foster cross-sector collaborations that translate these cutting-edge technologies into scalable health solutions.

MAKING MEANINGFUL CHANGE

Tech is just one part of the task. Healthcare systems must transition from reactive, disease-focused →

→ models to proactive, prevention-oriented ones. Key areas for investment will be developing integrated care models that focus on holistic care to address physical, mental and social well-being across populations. Technology can provide a helping hand, supporting remote monitoring, telehealth services and patient-centered care coordination.

But we also need a change of mentality within the healthcare sector. We must train the next generation of health workers with a “lifespan” perspective, including specializations in geriatrics, chronic disease management and memory care. And we need to ensure all populations, particularly in low- and middle-income countries, have access to essential health services. Building those more resilient and equitable healthcare systems will require an additional \$200 billion to \$328 billion annually, according to the World Health Organization (WHO), which could save 60 million lives by 2030.

However, health is shaped not only in clinics and hospitals, but in the environments where people live, work

and play. Social determinants – whether that’s housing, education or transportation – also need to be integrated into health strategies in the long-term. Investments in clean air, walkable cities and community-focused housing can reduce health disparities and foster healthier societies.

BE WELL

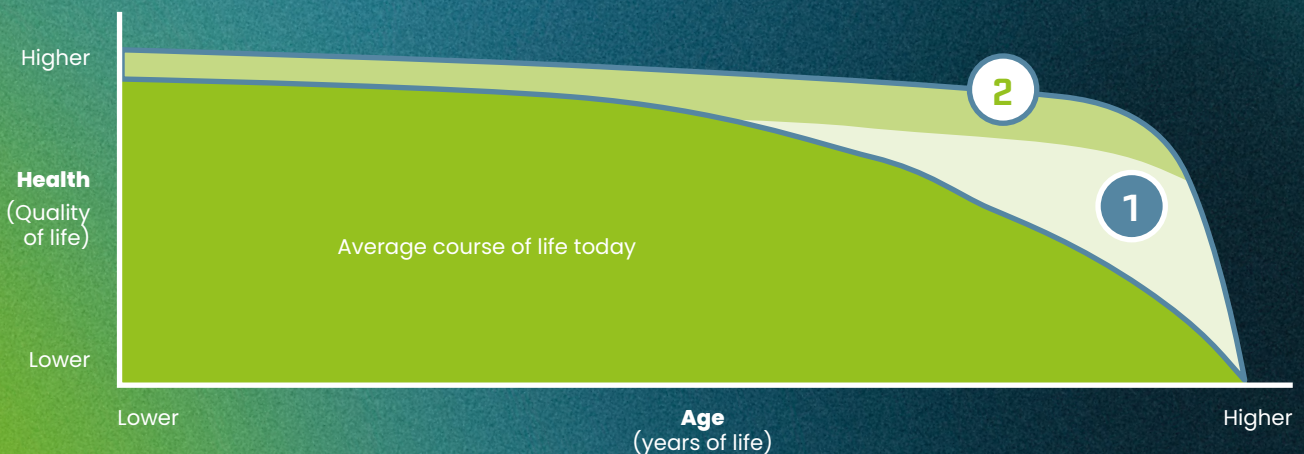
The global wellness market, valued at \$1.8 trillion in 2024, represents a significant opportunity for businesses – which should energize their input into boosting a Healthy Humanity. By promoting healthy nutrition, fitness and mental wellness, companies can empower individuals to take charge of their health. Innovations in wearables, AI-driven meal planning and digital therapeutics provide consumers with tools to live healthier lives. Preventive medicine is vital.

Helping people live longer, healthier lives will benefit our economies. Older adults are a vast untapped resource. Reintegrating them into the workforce through age-inclusive practices could boost global GDP by →

THE TWO-PART OPPORTUNITY OF HEALTHY LONGEVITY

1 Increase health and quality of life of older adults, starting from baseline health level

2 Optimize lifelong health to maximize healthspan and improve quality of life and functional health at all ages




→ \$10 trillion by 2030. Volunteer opportunities, life-long learning and community programs could not only enhance individual well-being but also strengthen social cohesion.

But to bring about this future requires smart, unified thinking. The complexity of global health challenges will need collaboration across academia, industry and government. FII Institute is a convener, bringing together stakeholders and leading the charge towards creating a Healthy Humanity.

The promise of healthy longevity and preventive medicine is within reach, but achieving it requires coordination and a global effort. By harnessing the power

of technology, empowering businesses and addressing social determinants of health, we can transform aging from a societal burden into an opportunity for prosperity and well-being.

The time to act is now. Together, we can create a future where every individual has the chance to live a longer, healthier, and more fulfilling life. ■



FII Institute research suggests volunteer activities can help in older age.

IDENTIFYING AVENUES FOR INVESTMENT

Achieving healthy longevity requires a comprehensive societal approach. By investing in strategic areas, we can improve quality of life, drive economic growth and create a more equitable society. Key actions include:



Support societal participation

Supporting older adults who want to work but are currently unable to has the potential to add 2%–19% GDP uplift across all countries studied, which can amount to about \$10 trillion globally. The economic uplift opportunities stem from two main sources: older adults reentering the workforce and caregivers returning to work



Invest in science

Invest in geroscience, promote research into common aging pathways through novel funding opportunities, expedite research translation (e.g., using biomarkers to develop therapeutics), and ensure sufficient production capacity to meet global demand



Promote consumer-driven wellness

Enable comprehensive wellness through promoting healthy nutrition (e.g., subscription services, AI meal planning), supporting fitness and mobility (e.g., sleep technology, wearables, orthobiologics), and fostering mental wellness (e.g., digital therapeutics)



Address social determinants

Develop accessible infrastructure that promotes social determinants of health, including a vibrant built environment (e.g., spaces designed to encourage active lifestyles), community-focused housing and comprehensive transportation enabling mobility for all (e.g., reduced bus fares) and education



Strengthen healthcare

Provide integrated prevention-focused, well-resourced health-care facilities, reskill/hire workers for specialized care, address women's health and quality of care for persons with disabilities, and offer diverse care models



Adopt technology

Provide technology-driven supports that are widely available, continuously updated, and enabled by training and accommodations for those with lower digital literacy (e.g., facilitating uptake on smart home technology that supports aging in place)



Ensure financial inclusivity

Enhance a broader ecosystem that supports economic security and wealth retention by providing affordable, accessible financial education and straightforward, cost-effective services to foster enduring financial resilience



Enhance safety

Equip individuals to recognize and address threats, connect them to trained respondents and trusted resources, maintain integrated public alert systems for urgent threats, and enforce strict safety standards for consumer goods to ensure overall safety and protection

FII INSTITUTE LAUNCHES HEALTHY HUMANITY INITIATIVE

Why we're choosing to call the world to action – and how it will make a difference.

FII INSTITUTE IS FAR MORE THAN A “THINK TANK.” It is a “do tank”, in everything it tackles. Concrete actions mean more than words. Every year, we publish the FII PRIORITY Compass, an index survey checking the heartbeat of the planet, and every year the findings of the Compass are clear. Preventive medicine, holistic health and global well-being all need to be supported.

It's why, at FII8 in October 2024, FII Institute launched its Healthy Humanity initiative – designed to create a healthier world, and set a new standard for well-being.

The Healthy Humanity initiative aims to build an inclusive health ecosystem focused on preventive care, innovation and equity. By leveraging public-private partnerships and emerging technologies, it strives to make preventive healthcare accessible to all and address health disparities globally by increasing the number of corporations providing free preventive checkups, and upping employee participation rates in health programs.

ON TRACK TO GROW

At FII8, the first track of the Healthy Humanity initiative was unveiled – a drive to improve our global health. It threw focus on corporate-driven preventive health measures to support global well-being and reduce chronic disease prevalence, by challenging 100 corporations and ten insurers globally to offer preventive health checkups to their employees every two years. We are also advocating for national governments to provide tax breaks or incentives for corporations and insurers that commit to free preventive checkups.

We're glad to say committed partners already include leading entities from the private and public sectors around the entire globe, with more joining regularly as the initiative builds speed around the world.

But that's just the start. In the coming months and years, further tracks will be launched to bring about a Healthy Humanity for all, providing joined-up thinking that can make a real difference where it matters the most. To sign up to the initiative, visit [HTTPS://FII-INSTITUTE.ORG](https://fii-institute.org)

INITIATIVE OVERVIEW



Preventive healthcare

Promoting early interventions and health education to prevent chronic disease and create a healthier, more equitable society



Emerging technology in health

Leveraging AI, telemedicine, and personalized medicine to transform healthcare access, efficiency and patient outcomes



Longevity and quality of life

Advancing longevity science and lifestyle innovations to help people live longer, healthier, and more fulfilling lives

AN ONGOING CONVERSATION

The factors that help supercharge health are the subject of this report, but it's an area FII Institute has led on, as attendees at past events can attest.



“ Education will be different. Career choices will be different. Health and longevity will be improved. AI is a great opportunity for investing in reimagined companies that take advantage of AI. ”

Eduardo Saverin
Cofounder & Co-CEO, B Capital;
Cofounder, Facebook, speaking at FII8



“ Healthcare inequity is the biggest challenge in the health business, but the world healthcare system will face many more challenges in the short term, including a shortage of 10 million healthcare professionals by 2030. ”

Paul Hudson
CEO, Sanofi, speaking at FII8



“ To create megaregions, you need ambitious visions, scale and investment incentives that bring excitement and demand for FDI. We need to integrate all sectors, be it logistics, technology, healthcare, and education, into the megaregions. ”

Hisham Ahmed Al-Rayes
Group CEO & Board Member, GFH Financial Group B.S.C.,
speaking at FII8

PHOTO: FII INSTITUTE

“ The upside from AI is extraordinary. But if we don’t invest to protect from the downside, we will never enjoy the upside. The upside is about accelerating science, education, healthcare, profits. That must rest on a solid foundation of engaging with regulators constructively and investing in protective systems internally. ”

Ruth Porat
President & CIO, Alphabet & Google, speaking at FII8



“ One of the biggest issues is that we call it ‘healthcare,’ but it’s actually ‘sick care.’ Look at the sick care system that we have and the aging population. The math doesn’t work anymore. ”

Stéphane Bancel
CEO, Moderna, speaking at FII8



“ There is an urgent need to support preventive medicine, holistic health and global well-being. The initiative is very simple: what we want to do is create a healthier world and set a new standard for local well-being. ”

Richard Attias
Chairman of the Executive Committee, FII Institute; Chairman & Founder, RA&A, speaking at FII8





“ Pakistan is laying the foundation for a knowledge-based economy driven by innovation in three pivotal domains, artificial intelligence, education and health. ”

Shahbaz Sharif
Prime Minister, Pakistan, speaking at FII8



“ In emerging markets, I do believe AI will be an equalizer in providing the same level of healthcare to people in underprivileged markets as in other markets. ”

Marcelo Claire
Founder & CEO, Claire Group; Group Vice Chairman, SHEIN, speaking at FII8



“ I am optimistic about AI. I think it'll be the ultimate social equalizer. In healthcare, there's a big divide between who has access and who doesn't. AI has the potential to level the playing field. ”

Hani Enaya
CIO, Sanabil Investments, speaking at FII8

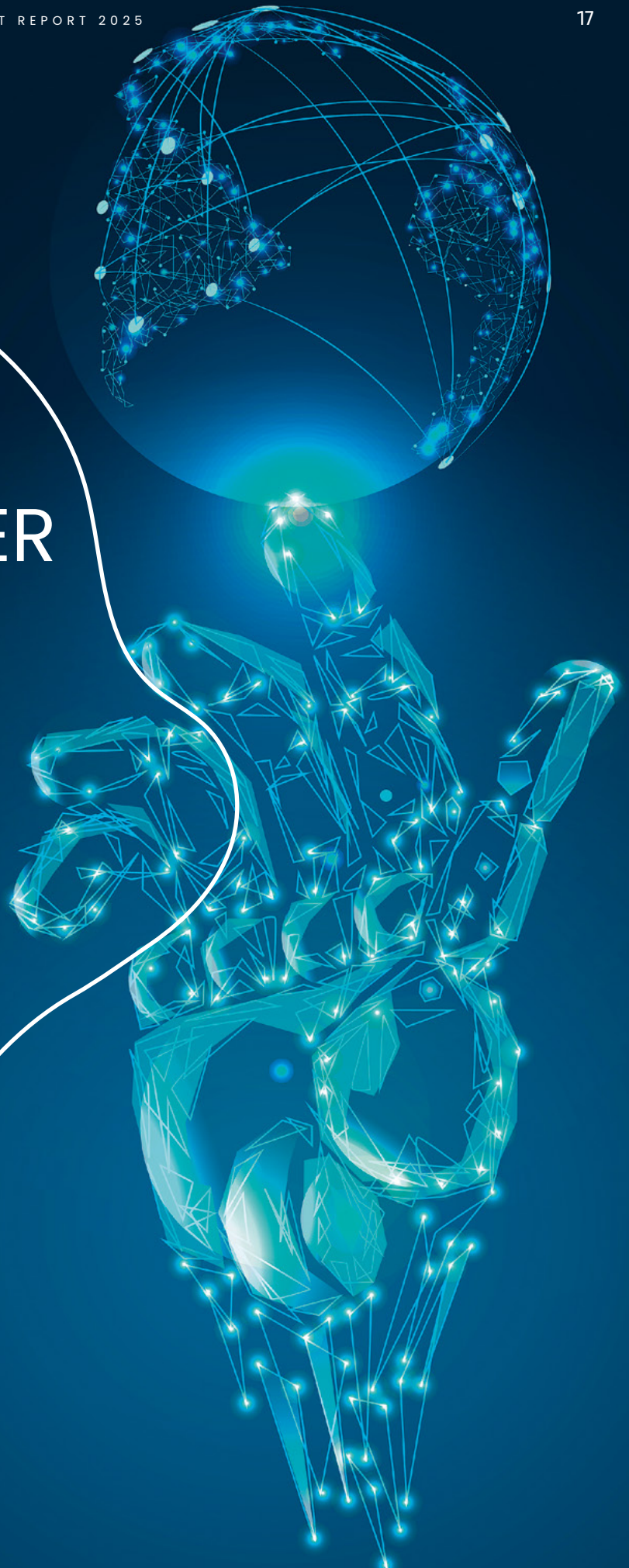
THE CONVERSATION CONTINUES

Join us from February 19–21 at the third edition of FII PRIORITY Miami as we seek to “Invest with Purpose” at our latest summit to shape the future of global investment, technology and sustainability – with the goal of building a Healthy Humanity at its core.

“This summit will catalyze the transformational change our world urgently needs, will continue the conversations started at FII8 this past October and will help to understand the directions which will be taken by the new US administration,” says Richard Attias, Chairman of the Executive Committee, FII Institute; Chairman & Founder, RA&A.

HOW AI CAN POWER A HEALTHY HUMANITY

The vast volume of data that AI can parse at pace could enable new innovations to help improve the health of the world's population – and is already making an impact.



SPOTTING ISSUES BEFORE THEY ARISE

Merck has a major plan to help preventive healthcare be more effective – thanks to the use of AI.



DIABETES IS A BIG PROBLEM FOR OUR PLANET'S population. One in ten adults worldwide has diabetes, according to the International Diabetes Federation (IDF) – but half of those suffering with the disease don't realize it. Currently, most people live with the condition for seven years before being diagnosed, often only discovering it through seemingly unrelated medical checks like eye tests. Like many illnesses, the later you identify it, the harder it is to treat. And things will get worse. IDF projections say that by 2045, one in eight adults – or 783 million people – will be living with diabetes.

The issue is a bigger problem in places like the Gulf States. But in the United Arab Emirates, an AI system developed by Merck has analyzed eight years of health records from 4.5 million people to identify 270,000 individuals at risk of developing diabetes in the future.

“What we discovered is that things like people who take proton pump inhibitors or antihistamines – things that sometimes have nothing to do with diabetes – are more predisposed to developing diabetes in the future,” says Sarrah Bakarar, Director of Government Affairs at Merck. This kind of pattern recognition goes beyond traditional risk factors like BMI or family history, potentially allowing for intervention years earlier than current methods.

If it sounds like the future, that's because it is. Through innovative programs combining AI with genetic insights and practical implementation strategies, companies like Merck are demonstrating how technology could help people stay healthy longer – avoiding serious conditions years before they develop.

A SICK PLANET

The stakes are high. Like many, Barakat worries about the sustainability of our healthcare systems as more sick people enter it. “There are more and more people on the planet, and the existing health →

783 m

people forecast to live with diabetes by 2045

SOURCE: INTERNATIONAL DIABETES FEDERATION, 2024

→ infrastructures were built ages ago,” she said. “They’re not going to be able to cope.” So avoiding people entering the health system in the first place is a solution worth pursuing.

But identifying at-risk individuals is only the first step. The real challenge lies in helping people make changes before they develop conditions like diabetes. Merck’s solution in the UAE has been pragmatic: bring healthcare to where people already are.

“If Mohammed can’t come to the mountain, the mountain will go to Mohammed,” Barakat says. “We will bring the multidisciplinary team to your place of work.” The company is setting up diagnostic hubs in workplaces where they’re doing less invasive finger-prick blood tests, putting that blood sample through a super-fast diagnostic test, and getting the results within eight minutes. Patients who need it can be on the phone to a specialist doctor in seconds after that.

“If Mohammed can’t come to the mountain, the mountain will go to Mohammed.”

PREVENTION, RATHER THAN CURE

This workplace intervention model recognizes a crucial truth about preventive healthcare: it needs to fit into people’s lives to be effective. When people are identified as at-risk through traditional screening programs at shopping malls, only 15%-20% actually follow up with a doctor, says Bakarat. By bringing healthcare to workplaces, Merck’s program makes it easier for people to take action on health warnings.

The application of AI in healthcare extends beyond diabetes. Similar approaches are being used to improve cancer diagnosis, with AI systems trained to analyze medical imaging more quickly and accurately than human doctors alone. The AI revolution isn’t about replacing healthcare workers, but freeing them up for more complex tasks, as healthcare systems face growing staffing shortages. And fundamentally, it’s about trawling through big data sets to identify issues that can be stopped. →



Constant checking of people's health can help preventive health make a real difference - but it needs to be within the community.



→ The impact could be particularly significant for mental health, which Bakarar identifies as a crucial area for AI intervention. “Mental health is a huge, huge issue for everybody as we live more busy, more complex, more crowded lives, and especially for our children,” she says. AI could help identify early warning signs and suggest interventions before conditions become severe.

GENE DREAMS

But perhaps the most transformative potential lies in combining AI with genetic insights. The UAE has introduced mandatory genetic screening before marriage, using AI to analyze genetic data and identify potential risks for future children. A small change will have a huge impact. “Technically, you’re talking about eradicating all genetic conditions within two generations,” Bakarar says.

This kind of program might raise eyebrows in many countries – imagine suggesting mandatory genetic screening for marriage in the UK or US. But Bakarar argues that “start-up countries” like the UAE play a crucial role in demonstrating what’s possible when new technologies are embraced at scale.

The good news is that many of these approaches can be adapted for different healthcare systems. Merck is already working to implement similar programs in key markets, including China, Brazil, Mexico, Indonesia and Vietnam. While the specific implementation might vary – some countries might not have the same level of electronic health records as the UAE, for instance – the basic principle of using AI to identify risks and intervene early remains the same. And it all pursues the same goal – one FII Institute also wants. A Healthy Humanity.

GLOBAL PROBLEMS

This global scaling is crucial because the challenges these systems address are universal. Healthcare systems worldwide are struggling to cope with aging populations, increasing chronic disease burdens, and staffing shortages. The traditional model of waiting until people get sick and then treating them is becoming unsustainable.

“We’re moving from trying to treat disease to preventing disease,” Bakarar explains. “That’s what we should all be doing.” This shift isn’t just about reducing healthcare costs – though that’s certainly a factor. It’s about fundamentally improving people’s quality of life.

Consider someone who’s 50 today. As Bakarar notes, they’re statistically likely to live significantly longer than their grandparents’ generation did. “I have no doubt in my mind that I’m going to live to about 100,” she says. “Do I want to be sick for 30 years of that 100? No, I don’t.”

UNITED IN RESOLVE

The key to achieving better longevity lies in public-private partnerships. Gone are the days when pharmaceutical companies simply manufactured pills. Instead, they’re increasingly becoming partners in building comprehensive healthcare solutions, combining their expertise with public health infrastructure and government support.

That approach applies equally to layering AI into preventive healthcare. From analyzing genetic data to identifying disease risks, from suggesting personalized interventions to monitoring their effectiveness, AI can help create a healthcare system that keeps people healthy, rather than just treating them when they’re sick.

But realizing this potential will require continued collaboration between technology companies, healthcare providers and governments, reckons Bakarar. It will also require careful consideration of ethical implications and privacy concerns. Yet as healthcare systems worldwide face mounting pressures, the shift toward AI-enabled preventive care seems not just desirable, but necessary.

As Bakarar puts it: “If you’re going to look at precision medicine or proper intervention, all of those things that we capture are fantastic data sets when you’re letting them speak to each other and come up with suggestions. It has to be big data. That has to be where we are going next.” ■

HARNESSING AI TO BUILD A HEALTHY HUMANITY

The technology trend of the moment could have a transformative effect on healthcare – in all shapes and forms.

AI'S IMPACT HAS ALREADY INFLUENCED MANY industries, from finance to entertainment. But perhaps its most profound impact lies in healthcare. By revolutionizing how we approach drug discovery, diagnostics and preventive medicine, AI can reshape our collective well-being. From addressing the root causes of diseases to empowering patients and healthcare providers, AI can help build a Healthy Humanity of the type FII Institute is campaigning for. Here's how.

DRUG DISCOVERY

Drug discovery is a notoriously lengthy and expensive process. Developing a new medication can take over a decade and cost billions of dollars. AI is changing that by streamlining every stage of drug development. Machine learning algorithms can analyze vast data sets of molecular structures, predict how compounds interact with targets in the body, and identify promising candidates for further testing – all in a fraction of the time it takes using traditional methods.

Take DeepMind's AlphaFold, for example. The AI system has solved one of biology's greatest challenges: predicting protein structures. This breakthrough is accelerating drug discovery by providing scientists with critical insights into how diseases operate at a molecular level. Similarly, companies like Insilico Medicine and Atomwise are leveraging AI to design entirely new drugs, reducing the need for costly trial-and-error experiments.

AI is also being used to repurpose existing drugs for new indications. During the Covid-19 pandemic, AI-driven platforms analyzed existing antiviral drugs to identify candidates that could be repurposed to treat the virus. These efforts demonstrated AI's ability to adapt quickly during global health crises, potentially saving millions of lives.

EARLY DETECTION AND DIAGNOSTICS

The early detection of diseases can significantly improve patient outcomes, but traditional diagnostic tools often have their limitations. AI-powered systems are step- →

BIG MONEY, MANY YEARS

10–15 yrs

average time to develop new drugs



\$172–880 m

average cost of developing new drugs

SOURCE: N-SIDE, 2022

SOURCE: COSTS OF DRUG DEVELOPMENT AND RESEARCH AND DEVELOPMENT INTENSITY IN THE US, 2000–2018, PUBLISHED 2024

→ ping in to provide more accurate, timely, and accessible diagnoses.

One of AI's most promising applications is in medical imaging. Algorithms trained on thousands of X-rays, MRIs and CT scans can identify patterns and anomalies with remarkable precision. AI systems have already demonstrated accuracy rates comparable to or exceeding those of experienced radiologists in detecting conditions like breast cancer, lung disease and brain tumors. By reducing the time and error rates associated with human interpretation, these tools ensure that patients receive prompt and effective treatment.

AI is also making strides in areas where traditional diagnostics have struggled when combined with pre-existing tech. Wearable devices equipped with AI algorithms can monitor heart rhythms, blood glucose levels, and other vital signs in real time, alerting users to potential health issues before they escalate. This approach is especially valuable for managing chronic conditions such as diabetes and cardiovascular disease, where early intervention is critical.

UNDERLYING CAUSES

By integrating data from genetics, lifestyle factors, and environmental conditions, AI systems can paint a comprehensive picture of disease risk and progression.

AI is enabling breakthroughs in precision medicine by analyzing genetic data at unprecedented scales. Projects like the UK Biobank and the National Institutes of Health's All of Us initiative are starting to use AI to sift through genomic data, identifying links between genetic variations and diseases. This helps

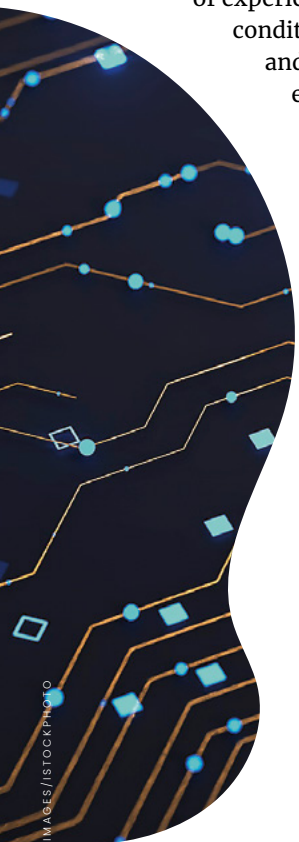
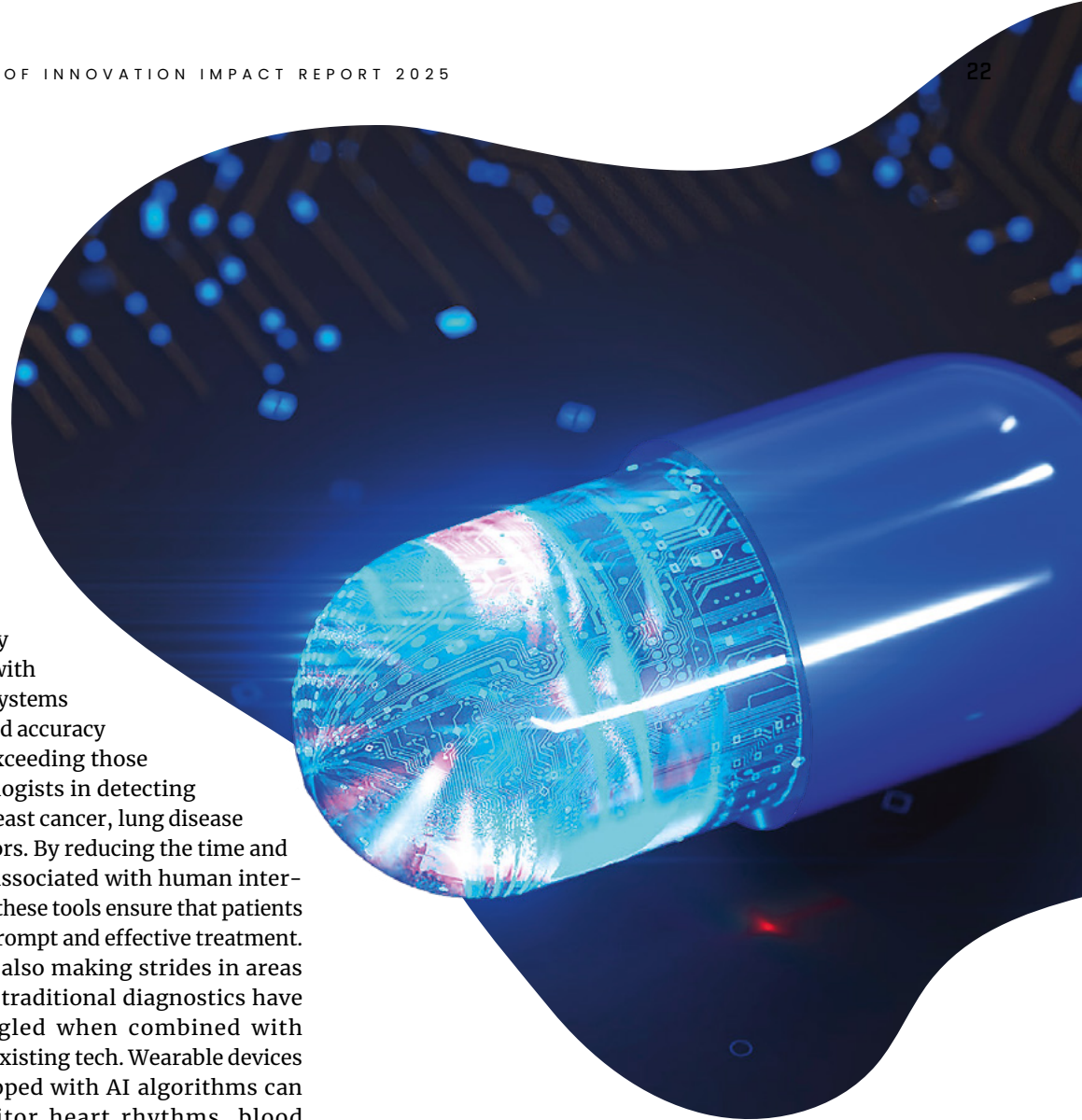
researchers develop targeted therapies that address the underlying mechanisms of diseases, rather than solely their symptoms.

AI can also help public health efforts by analyzing social cues and factors that dictate poor health. Income, education and access to nutritious food levels all play their role in shaping health outcomes. By correlating these variables with health data, AI can identify communities at higher risk for specific conditions and guide interventions to address disparities.

NARROWING THE DIVIDE

One of the most pressing challenges in global health is addressing disparities in access to care. AI has the potential to level the playing field by making high-quality healthcare more accessible and affordable.

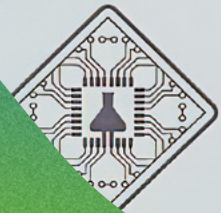
AI-powered diagnostic tools can compensate for the lack of specialists in areas that need them most. Portable devices equipped with AI algorithms can diagnose →



→ conditions like diabetic retinopathy or tuberculosis in minutes, allowing healthcare workers to deliver timely interventions. AI is also being used to optimize resource allocation in healthcare systems, ensuring that supplies and personnel are distributed sensibly.

Additionally, AI-driven language models are breaking down barriers to care for non-native speakers. Real-time translation tools enable patients to communicate effectively with healthcare providers, fostering trust and improving outcomes. Of course, the digital divide poses a barrier to these AI-driven healthcare solutions. Access to technology remains uneven, particularly in rural and low-income areas. Bridging this gap requires investment in infrastructure, education and affordable technology to ensure that AI's benefits reach everyone – which is where businesses can play their part, as we'll discover later in this report.

Despite these challenges, the future of AI in healthcare is promising. Collaborative efforts among governments, private companies and research institutions are crucial to harnessing AI's potential responsibly and effectively. The journey is just beginning, but the destination – a truly Healthy Humanity – is within reach. ■



45 bn

high-quality years to human life added through investing in healthy longevity

(SOURCE: FII HEALTHY LONGEVITY COMPASS)

GO EARLY AND GO HARD

Why catching disease early can reap dividends when it comes to easing economic pressures.

→ THERE'S A SIMPLE MOTTO THAT OUGHT TO BE followed when thinking about how to tackle preventive health issues: go early and go hard. It's not just that acting quickly can leave people in better health and alleviate suffering as diseases gain a foothold. There's an economic case to putting in place early action that prevents some of the compounding effects of illnesses.



Health is the **second-largest area of expenditure** for most countries worldwide, which means it may quickly be cut at times of economic hardship.

(SOURCE: THE CASE FOR INVESTING IN PUBLIC HEALTH, WORLD HEALTH ORGANIZATION, 2014)

But early intervention and preventive medicine can reap dividends – because **poor health reduces global GDP by**

15% per year.

(SOURCE: PRIORITIZING HEALTH: A PRESCRIPTION FOR PROSPERITY, MCKINSEY, 2020)

The economic impact is often due to absences from work. The average European employee loses

14.6 working days per year due to illness.

(SOURCE: ABSENTEEISM FROM WORK DUE TO ILLNESS, DAYS PER EMPLOYEE PER YEAR, WORLD HEALTH ORGANIZATION, 2020)

But economic costs come from healthcare, too. Treating cancer patients diagnosed at early stages (I or II) is

2 to 4 times less expensive than treating those diagnosed at advanced stages (III or IV).

(SOURCE: WORLD HEALTH ORGANIZATION, 2017)

40% of health improvements can be achieved at a net cost of **less than \$100** for every additional healthy life year gained.

(SOURCE: PRIORITIZING HEALTH: A PRESCRIPTION FOR PROSPERITY, MCKINSEY, 2020)

The effects compound. Global **GDP could rise by \$12 trillion by 2040** – an

8% increase – with fewer health conditions and more labor force participation.

(SOURCE: PRIORITIZING HEALTH: A PRESCRIPTION FOR PROSPERITY, MCKINSEY, 2020)

ICYMI: GOING DEEPER INTO HEALTH AND LONGEVITY

FII Institute's recent Impact report on AI and longevity can provoke further thinking ... in case you missed it.

➔ **WANT TO LEARN MORE ABOUT THE COMPLICATED** health conundrums facing our planet's population, and how technology can fix it? Our recent Impact report on AI and longevity, published in November 2024, explores how we can live longer and healthier with AI.

Guest edited by **Professor Adah Almutairi**, Professor Pharmaceutical Chemistry, University of California (UCSD); Board Member, FII Institute, the report outlines the longevity opportunity, and the way in which a world where we reach 150 years old could become more science fact than fiction. It includes insights from **Dr. Mehmet Oz**, Professor Emeritus, Columbia University; **Peter H. Diamandis, M.D.**, Founder & Executive Chairman, XPRIZE Foundation; **Dr. James Kasuboski**, Head of Research, Luma Group; and **Dr. Mehmood Khan**, CEO, Hevolution.

To get your copy of the 64-page report, visit
[HTTPS://FII-INSTITUTE.ORG](https://fii-institute.org)

“AI is important, but before we get to that, we've got to understand what it is that AI is going to help us figure out.”

Dr. Mehmet Oz
Professor Emeritus, Columbia University



CUTTING CANCER DOWN TO SIZE

AI can help identify genetic traits that predispose an individual to cancer before they arise – as the Cleveland Clinic has found.



→ IN THE BUSTLING, BUSY CORRIDORS OF CLEVELAND Clinic’s Abu Dhabi facility, Dr. Fawad Khan is witnessing a revolution in how we detect and prevent cancer. Armed with artificial intelligence and advanced genetic testing, doctors can now identify cancer risks years before tumors develop – potentially saving countless lives through early intervention.

“The whole mission is prevention rather than cure,” explains Dr. Khan, who leads the longevity medicine section at the cancer center. This shift from reactive to preventive medicine is being driven by rapid advances in how AI analyzes our genetic makeup.

The current frontier involves AI systems analyzing DNA sequences at pace to identify genetic markers that might predispose someone to cancer. But that’s just the beginning, said Dr. Khan. Scientists are now moving toward examining RNA, proteins, and epigenetic factors – the complex ways our genes interact with our environment.

“DNA is something we’ve relied on for many years,” Dr. Khan says. “What we’ve realized specifically in the cancer space is that with more and more genetic testing, up to 25% of all results of the DNA test for cancer panels come back as inconclusive.”

These unclear results, known as “variants of unknown significance,” are particularly common in non-European populations, highlighting current limitations in genetic analysis. →



→ BRINGING CLARITY TO CANCER

This is where the next wave of AI-powered analysis comes in. By expanding beyond basic DNA sequencing to include RNA analysis, scientists can reclassify many of these uncertain results into something more sure-footed. “Studies have shown that up to 10% of these variants can be reclassified into a disease-causing gene with the help of RNA testing,” said Dr. Khan.

The future looks even more promising as researchers begin incorporating multiple layers of biological data into their analyses. “Eventually, with the help of proteomics, epigenomics, genomics and then, of course, the wearables that are giving real-time data into several key aspects of our health, combined, we’ll be able to give us a much better risk stratification in cancer prevention,” Dr. Khan explains. That matters given cancer is the second-leading cause of death globally. In 2022, there were 20 million new cancer cases diagnosed, with between one in nine and one in twelve positive diagnoses resulting in deaths, according to the World Health Organization.

20 m

new cancer cases
in 2022

9.7 m

new cancer
deaths in 2022

1 in 5

people develop
cancer in their lifetime

1 in 9

men die from cancer

1 in 12

women die from cancer

(SOURCE: WORLD HEALTH
ORGANIZATION, 2024)

This multi-layered approach could revolutionize how we identify cancer risks. Instead of waiting for symptoms to appear or relying on regular screening programs that patients can dip in and out of, AI systems could analyze complex patterns across multiple biological markers to flag potential issues years before they develop into cancer. →

→ GETTING BETTER

The implications for global health are significant. Many countries are already investing heavily in population-wide genetic sequencing programs. The UAE, for instance, has already sequenced more than 80% of its population's DNA, with plans underway to reach 100%. Similar initiatives are underway in the UK, US, Denmark and Iceland, says Dr. Khan.

But having the data is only half the battle. The real challenge lies in interpreting it meaningfully. This is where AI becomes crucial, processing vast amounts of genetic information to identify patterns that might indicate cancer risk. The system then helps doctors develop personalized prevention programs based on each patient's specific genetic profile.

Patients can, with the help of AI, be placed on personalized precision prevention programs. These programs might include enhanced screening, lifestyle modifications, preventive medications or, in some cases, preventive surgery. Doctors, with the help of AI, can determine which approach might work best for each patient, even analyzing how well they might respond to specific medications through pharmacogenomics.

The technology is already showing promise in several areas. In breast cancer screening, AI systems might identify suspicious areas on medical imaging that human radiologists might miss. Similar tools are being developed for colon cancer screening, where AI assists in identifying concerning areas during colonoscopies.

BETTER TREATMENT

The future might be even less invasive. New blood-based screening tools, enhanced by AI analysis, could detect cancer through simple tests. "There are a number of biomarkers in the pipeline," Dr. Khan notes, "one of which got FDA-approved last year for colon cancer screening." Called the Shield test, it looks for small fragments of cancer DNA floating in the blood to identify signs of cancer. A diagnostic test, it's far less invasive than the usual way of screening, and provides useful information. With time, it may replace invasive screening colonoscopy.

However, implementing these advances requires careful consideration. As Dr. Khan points out, trained genetic counselors will be needed to help patients understand their genetic results and be able to make informed decisions on preventive strategies. "That's critical," he said. "We need to interpret that data appropriately."

Nevertheless, the global implications of the AI revolution in medicine could be transformative, particularly for underserved regions – bringing about the Healthy Humanity FII Institute is pursuing. Once AI systems are sufficiently validated, they could help address the worldwide shortage of radiologists and pathologists by working independently. "We can have those AI tools to aid in radiology and pathology reporting," Dr. Khan forecasts. →

Cleveland Clinic at Al Maryah Island, Abu Dhabi





→ MARKET FORCES

Yet challenges remain. The technology is still expensive, and while costs are expected to decrease as it scales, making it accessible to developing nations will take time. Additionally, the systems need extensive validation before they can work independently.

Despite these challenges, the potential benefits are enormous. By identifying cancer risks earlier and more accurately, healthcare systems could shift resources from treating advanced cancers to preventing them from developing in the first place – not only saving lives, but reducing the overall cost of healthcare across countries.

It represents a paradigm shift in how we approach healthcare. Rather than waiting for disease to develop, we're moving toward a future where AI helps us identify and address potential health issues before they become serious problems.

REVOLUTIONARY IDEAS

As Dr. Khan reflects on his 25-year career, he sees this moment as transformative. "It's a real privilege to be part of this change," he admits. "We've made major strides towards using technology to improve healthcare."

The future he envisions is one where cancer prevention becomes increasingly personalized and precise, powered by AI analysis of our most fundamental biological building blocks. Although we're still in the early stages of this revolution, the potential to transform global health outcomes through early detection and prevention is enormous – and must not, he reckons, be missed.

Shifting from reactive to preventive medicine, enabled by AI and genetic analysis, could be one of the most significant advances in healthcare we've seen. As these technologies develop and become even more accessible, they could fundamentally change how we think about and manage cancer risk, potentially saving millions of lives in the process. "It's very exciting," he said. ■

HOW QUANTUM CAN SUPERCHARGE A HEALTHY HUMANITY

Taking the computing strength inherent within artificial intelligence and multiplying it even further is the promise of quantum computing – which is just around the corner.

QUANTIFYING QUANTUM BREAKTHROUGHS

The future of healthcare is preventive, personalized – and powered by LQMs and quantum, as SandboxAQ shows.

→ **IF THERE'S ONE THING WE'VE LEARNED FROM THE** previous pages, and the hours of conversation across FII Institute events across the globe in recent years, it's that healthcare stands on the brink of a revolution.

Artificial intelligence is already helping detect diseases earlier, develop treatments faster, shifting medicine's focus, step by step, from treating illness to maintaining wellness. But to achieve this to its fullest extent, we need to fundamentally rethink how we use AI in healthcare, according to one of the field's leading innovators.

Jack Hidary, who heads SandboxAQ, believes that while much attention has focused on language-based AI tools that can help with tasks like medical record keeping, the real breakthrough will come from quantitative AI systems that can process the complex mathematical equations governing chemistry and biology. →

→ QUANTITATIVE NOT QUALITATIVE

“The essential part of medicine is quantitative,” Hidary says. “Language AI is trained on social media, trained on material from the world wide web, but that’s not how you want to make a new, novel drug for cancer. You want to have an AI that’s trained on chemistry, on biology, on pharmacology, toxicology.” That’s where the Large Quantitative Models (LQMs) his company’s systems rely on come in.

The distinction between an LLM and an LQM is crucial for addressing what Hidary sees as healthcare’s two major challenges: improving diagnostics and accelerating therapeutic development. Current diagnostic approaches, he argues, are failing patients, particularly in critical areas like heart disease – the world’s leading killer.

“We all have the experiences of friends and others in our life who come out of a physical exam with a plus, only to have a heart situation occur three or four months later,” Hidary said. That significant change begs the question, “What happened? Did suddenly heart disease progress in three months? No. What happened is that our diagnostics were not good enough.” →

“ The first big megatrend will be to shift our entire healthcare system from sick care to wellness. ”

Jack Hidary
CEO, SandboxAQ

→ HOLISTIC HEALTH HELP

The solution, according to Hidary, lies in democratizing diagnostics and moving away from the traditional hospital-centric model. “It cannot be [done] in a big tower called the hospital that you have to go to,” he says. Instead, Hidary envisions a future of continuous monitoring and observation that creates a longitudinal picture of someone’s health – and is better able to intervene when things start to wobble.

This vision is already taking shape in SandboxAQ’s work with Mount Sinai Hospital in New York City and the Mayo Clinic in Minnesota, where they’re pioneering new diagnostic approaches using magnetocardiography (MCGs) – measuring the heart’s magnetic field rather than just electrical signals, as in a traditional ECG. However, MCGs throw up a lot of rich, quantitative information that humans can struggle to parse. AI can help.

But perhaps the most dramatic potential for transformation lies in drug development, reckons Hidary. Currently, it takes five to ten years, and hundreds of millions of dollars just to get a drug candidate to initial trials, with an 85% failure rate in clinical phases. “If I were a construction company and I told you that there’s an 85% chance that the building I built you is going to fall in 30 days, it probably wouldn’t be a great industry,” Hidary says. Yet that’s acceptable in pharma.

GOING QUANTUM

The solution he sees lies in quantum equations and eventually quantum computing. Today’s revolutionary AI relies on GPU processors, but Hidary sees a future where hybrid systems combining traditional computing with quantum processors will dramatically accelerate drug discovery and development. This could be crucial in developing treatments for conditions like Alzheimer’s disease, which currently has no effective treatment and has seen several high-profile drug trial failures.

“Most diseases in the world have no effective therapeutic,” Hidary says. “When we think about Alzheimer’s, which is unfortunately going to affect most every family as people get older and society gets longer in years, we have no effective treatment.” So neurodegeneration is an area that AI – perhaps powered by quantum computers – should tackle.

“At some point in time, fault tolerant, error corrected quantum computers will arrive,” says Hidary. That’s years from now, but they will arrive, and that will be additive to this compute picture.” He envisages a future where CPUs, GPUs and QPUs will swap data to rifle through information quicker. “The code will mainly run →



→ on GPUs. That'll be the workhorse, and we'll subroutine out," he says. "We'll send a bit of a side calculation out to a quantum computer, come back with an answer, then return that to the main flow of the code on the GPU. And this, I think, will be a very fruitful model of compute for decades and decades to come."

GAMECHANGING TECH

The implications of this quantum revolution, supercharging AI, extend beyond just treating disease. Hidary envisions a fundamental shift in healthcare's focus: "The first big megatrend will be to shift our entire healthcare system from sick care to wellness," he says. This transformation requires several key elements: continuous diagnostics, lifestyle changes and a revolution in treatment development.

As identified by FII Institute's Healthy Humanity initiative, every party will have a role to play. Sovereign nations will be crucial in this transformation, particularly in developing regions. "Sovereigns right now are able to organize electronic medical records, and are able to organize drives for genomic sequencing of their populations," Hidary explains. This can help identify and address conditions that might be endemic to specific regions but overlooked by global pharma companies.

Education will also play a vital role. SandboxAQ is already working to transform medical education through a residency program that helps medical students understand and utilize AI tools to their maximum possible benefit. "It's imperative that we empower clinicians to know the tools of AI, to understand these compute tools and how to use them to unlock breakthroughs," Hidary says.

FUTURE FOCUSED

Hidary's vision of the future extends to preventive care and lifestyle changes. Citing the Copenhagen Heart study, a 2018 paper on how lifestyle affects health, Hidary points out that simply taking up racket sports can add 9.7 years of good life to someone's lifespan. But it's not just about sports. Continuous learning and any physical activity is good for brain health – and should be encouraged.

A healthcare system transformed by technology, but focused on human wellness is how Hidary imagines health evolving. This means bringing diagnostic devices into people's homes, empowering local clinics ... and yes, creating a culture that prioritizes prevention over treatment. "We need to incentivize that with appropriate reimbursement," he says, pointing out that until recently, annual physical exams weren't even reimbursable under Medicare and Medicaid in the United States.

The challenge to catalyzing that future is bringing together all the stakeholders – from medical providers and research universities to patients, sovereign nations and healthcare companies – to work in lockstep to achieve the vision. Success could mean flipping the 80% failure rate in clinical trials to an 80% success rate, making treatments more affordable and accessible while shifting healthcare's focus from treating illness to maintaining wellness. It could change us into a Healthy Humanity. The future Hidary envisions isn't just about treating diseases more effectively – it's about fundamentally reimagining how we approach health itself. ■

Supporting older adults who want to work but cannot currently do so could increase global GDP by up to 9%, adding \$10 trillion.

(SOURCE: FII HEALTHY LONGEVITY COMPASS)

HOW QUANTUM CAN QUASH ILLNESS

Quantum computing's unique circumstances could help make more personalized medicine – and quash illness worldwide.

COMPUTING IS ON THE BRINK OF A BREAKTHROUGH. → Quantum computing, a revolutionary approach to processing information, promises to solve problems that are impossible for even the most powerful of classical supercomputers. And it's on the cusp of turning from science fiction into science fact. The healthcare sector could reap some of the biggest benefits, and at the forefront of this quantum leap is the promise of personalized preventive medicine – a paradigm shift in how we understand, predict and manage health.

To grasp the significance of this new era of computing, it helps to understand how quantum differs from classical computing. Traditional computers operate on binary systems, processing data as bits that exist in one of two states: 0 or 1.

Quantum computers, however, leverage the principles of quantum mechanics, enabling them to process data using quantum bits, called qubits. Unlike classical bits, qubits can exist in multiple states simultaneously through a phenomenon known as superposition. Qubits can also perform complex computations at speeds exponentially faster than classical systems.

Quantum computers excel at tackling problems with vast amounts of variables and intricate interdependencies – which is just what medicine is all about. For healthcare, this means addressing challenges that are currently computationally intractable, such as simulating molecular interactions, analysing massive genetic data sets and optimizing drug discovery pipelines.

PERSONAL PLANS APLENTY

Personalized medicine tailors treatment to the individual characteristics of each patient, from their genetic makeup to their lifestyle and environmental factors. Pre-

ventive medicine takes this a step further, predicting and mitigating diseases before any symptoms surface. Although preventive medicine isn't new, its widespread adoption has been hindered by the complexity and scale of data required to accurately model individual health needs.

Enter quantum computing. Using its immense processing power, researchers and healthcare providers can analyse and model how genetics, environment and lifestyle factor into personal health in unprecedented detail. This could unlock a new era of preventive care, where interventions are not only more precise but also more timely.

Quantum computing can significantly speed up genomic sequencing and analysis, a foundation of personalized medicine. Our current methods rely on classical algorithms to parse the 3 billion base pairs in the human genome, which can take days or weeks. Quantum algorithms can do this far faster, identifying genetic predispositions to diseases like cancer, diabetes and cardiovascular conditions with greater accuracy.

Another opportunity lies in analyzing genetic information, electronic health records and environmental data to enable more accurate prediction models for chronic diseases. Rather than a generalized risk profile for heart disease, quantum-powered models could deliver individualized risk assessments based on nuanced interactions between genes, diet, exercise and air quality.

TINY TWEAKS, BIG DIFFERENCES

Simulation of molecular interactions at an atomic level using quantum could revolutionize drug discovery. By precisely modelling how potential drug candidates interact with specific proteins or DNA sequences, researchers can identify the most promising compounds more quickly →

→ and at a fraction of the cost. For preventive medicine, this means developing treatments that can address early markers of disease, rather than its symptoms.

Coupled with advances in wearable technology and the Internet of Things (IoT), quantum computing could enable real-time health monitoring systems that predict and prevent medical emergencies. It's not far fetched to imagine a quantum-enhanced platform continuously analyzing data from a smartwatch and cross-referencing it with genomic and environmental factors to warn users of impending health risks such as a heart attack.

Going deeper into the body, understanding protein structures is critical for decoding biological processes and developing new therapies that work. AI systems like AlphaFold are getting us some way to that solution, but quantum computers could provide well ... a quantum leap in simulating protein folding. This could lead to new insights into how proteins malfunction in diseases like Alzheimer's and Parkinson's, paving the way for preventive strategies.

MAKING PLANS FROM EARLY DAYS

Despite its potential, quantum computing still faces significant hurdles. Large-scale quantum computers are not yet widely available – and will be eye-wateringly expensive once they are. The hardware is delicate, requiring near-zero temperatures and protection from environmental noise.

Ethical and privacy concerns also loom large. Personalized medicine relies on vast amounts of sensitive data, from genomic information to real-time health metrics. Safeguarding this data in a quantum-powered healthcare system will require robust encryption and clear regulatory frameworks, though the code running quantum computers is currently unbreakable.

Collaborative initiatives between quantum computing firms and healthcare providers are emerging, hoping to translate theoretical breakthroughs into tangible advances. The impact could be profound. Imagine a future where a simple blood test, analysed by a quantum system, could predict your likelihood of developing a chronic disease decades in advance. Lifestyle changes or preventive treatments tailored to your unique genetic and environmental profile could then mitigate that risk entirely. Such a future would not only improve individual health outcomes but also reduce the global burden of disease, lowering healthcare costs and increasing life expectancy.

The quantum revolution is coming, and with it, a new era of medicine tailored to the individual and designed to prevent illness before it strikes. ■





HOW BUSINESS CAN ENABLE A HEALTHY HUMANITY

All these opportunities from new technology require new thinking from businesses, which must layer tech innovations into everything they do – as well as supporting change financially.

BRINGING A HEALTHY HUMANITY TO EVERYONE

In the future, health and well-being won't be something based only in hospitals – as SBE Entertainment Group are showing.



CHECKING INTO A LUXURY RESORT IS CHANGING.

Your first appointment isn't with the concierge, but with a team of health specialists. You get a comprehensive health audit that will inform every aspect of your stay – from your meal plans to your fitness routine, from your spa treatments to the activities you do in and outside your suite.

This isn't the distant future. It's happening now at The Estate, SBE Entertainment Group's revolutionary new venture that's redefining the intersection of hospitality and wellness. "The Estate is not building medical hotels but is instead creating luxury hotels and residences defined by a commitment to longevity," says Sam Nazarian, Chairman and CEO of SBE Entertainment Group. It's a new paradigm, where health and well-being are woven into every touchpoint of the guest experience.

For Nazarian, integrating health and well-being into hospitality isn't a trend – it's the future of the industry and a key to unlocking a Healthy Humanity. The concept goes far beyond the traditional spa and gym offerings in luxury hotels. Instead, it's a bigger shift in how businesses approach health and wellness, making it an integral part of their DNA rather than an optional add-on. →

SAM NAZARIAN

Chairman and CEO of
SBE Entertainment Group

→ HELPING HOLISTIC HEALTH

“Since the pandemic, longevity, health and wellness have become multigenerational priorities – informing choices across the consumer spectrum – from everyday life to the exceptional moments we treasure,” Nazarian explains. This has shown that health can’t be compartmentalized. “The holistic nature of this is crucial.”

At The Estate, a new luxury hospitality and residential ecosystem rooted in preventive medicine, AI and longevity, guests undergo a comprehensive health assessment, using advanced diagnostic tools and AI-powered analytics. The information gleaned from those tests becomes the foundation for their personalized wellness journey. Menus are customized not just for taste preferences but for optimal nutritional impact. Activities are offered to guests to tackle their ailments or issues. “The Estate’s resorts and urban preventative and longevity centers are powered by Fountain Life and its cutting-edge medical science and AI technology,” says

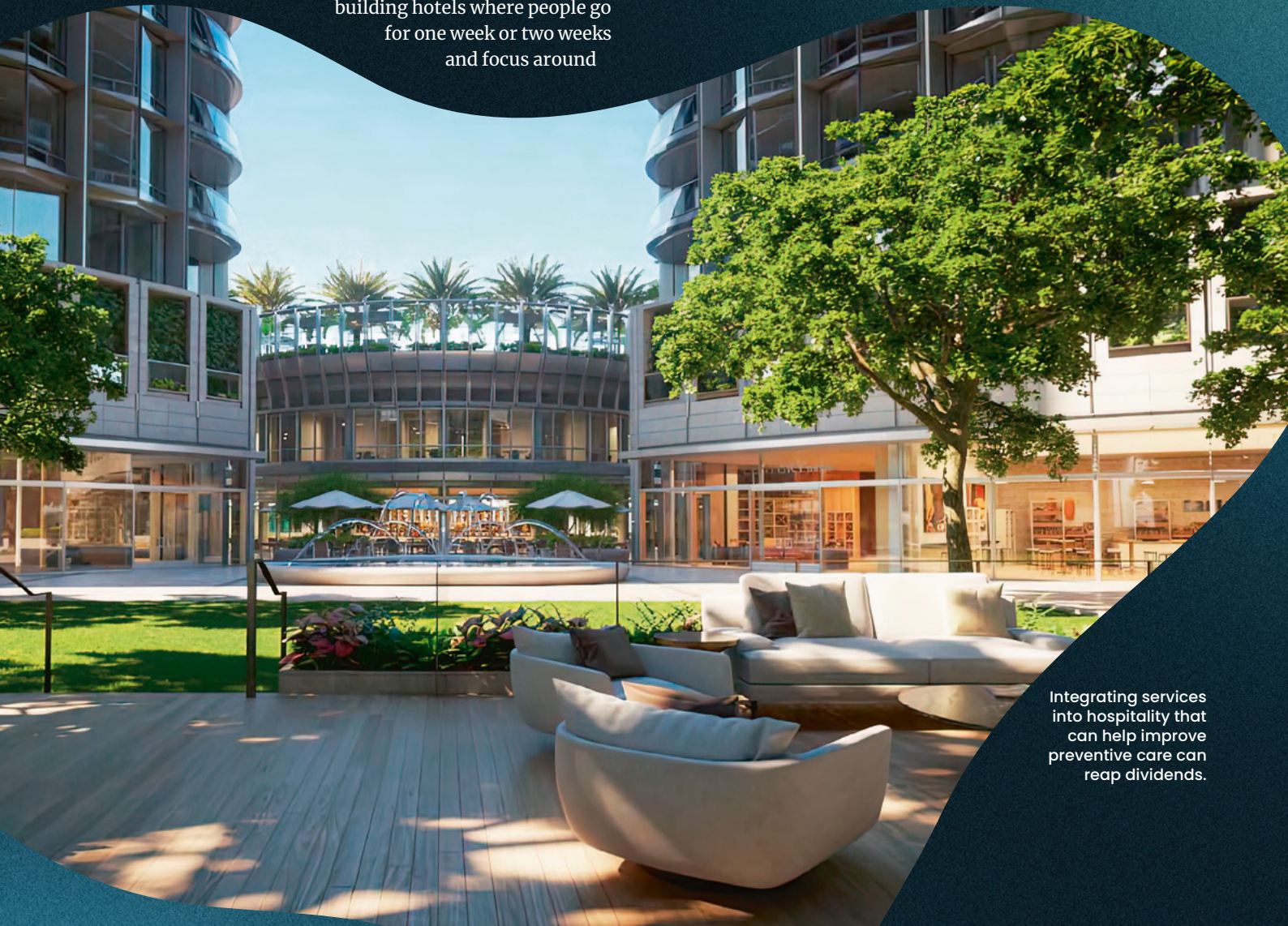
Nazarian. “The part that is fundamentally different about our approach is we’re not just building hotels where people go for one week or two weeks and focus around

a short-term goal of weight loss.” It’s a longer-term goal to better one’s body.

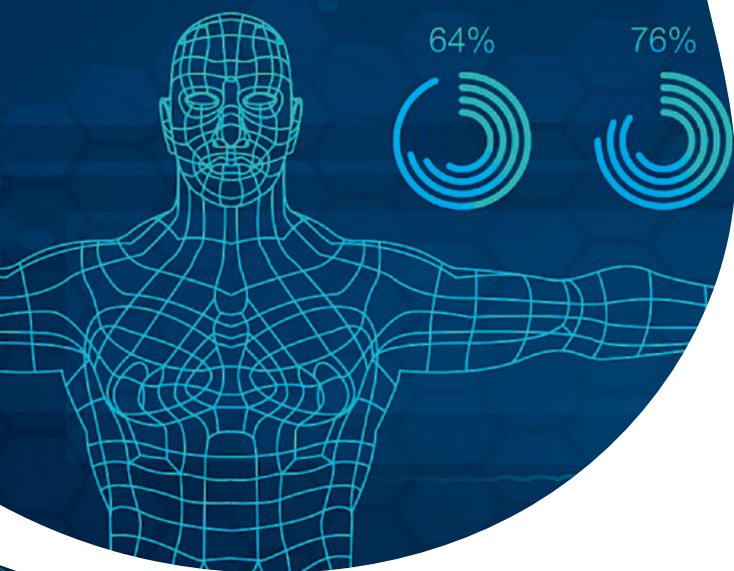
Nazarian’s vision is rooted in a deeply personal journey. Five years ago, his own quest for better health inspired him to rethink how luxury could evolve to include longevity-focused wellness. Luxury hospitality has always been about offering the best food, design and experiences. But now Nazarian believes it’s time to include the best health solutions in that mix.

Partnering with Tony Robbins and other industry titans including Marc Anthony and Richard Attias, Nazarian has built a platform that prioritizes health without compromising on luxury. The Estate includes 15 planned resorts and residences and ten urban centers globally, equipped with advanced diagnostic and therapeutic capabilities. These centers aren’t just retreats in the way Austrian or Swiss health spas are, but instead are hubs for ongoing health optimization, allowing residents and guests to bring wellness into their daily routines. →

PHOTO: SBE



Integrating services into hospitality that can help improve preventive care can reap dividends.



→ DRILLING INTO THE DATA

That change in lifestyle to improve health and well-being starts with diagnostics, using AI to analyze biomarkers and genomics. In all, The Estate gathers 150 gigabytes of health data on each customer, rifling through it with AI to discern exactly how best to serve their unique health and well-being needs. Guests seeking even deeper insight into their health can undergo advanced screenings such as full-body MRIs or bone density tests. Other solutions, such as red-light therapy or exosome treatments, are also on offer.

Traditionally, these would be delivered at hospitals or health centers – but that brings friction, causing many to not bother seeking out treatment. With planned centers in urban hubs like London, Miami and Los Angeles, The Estate’s offerings are designed to integrate seamlessly into daily life.

Through the integration of wearable technology, AI-driven analytics and predictive diagnostics, guests gain a detailed understanding of their health. Nazarian’s own personal experience illustrates the importance of these tools – and of big data. During a full-body MRI, a previously undetected 7.5-millimeter brain aneurysm was discovered. “Within 30 days, I had a six-hour brain surgery and had it removed, and it saved my life,” he says. In a traditional healthcare system, Nazarian believes doctors wouldn’t have been incentivized to identify these issues before they become pressing. But having health opportunities available ubiquitously is a boon, believes Nazarian. “People are encouraged to be curious, because at the end of the day, we’re all responsible for our own health,” he says. →



8.5%

global old-age
dependency
ratio in 1950

22.6%

global old-age
dependency
ratio in 2040

(SOURCE: FII INSTITUTE)

→ GAINING BETTER UNDERSTANDING

Despite the high stakes, our healthcare systems as designed – remote, specialized places where you have to proactively opt in to treatment, and usually only do so when something has already gone wrong in your body – doesn't serve us well, reckons Nazarian. "On average, a person meets with a general practitioner, six minutes a year. Six minutes a year," he said. "I think that's going to change."

One way it is already changing is through The Estate's app, which serves as a centralized hub for guests' medical data. It offers detailed insights into key health metrics such as cardiovascular health, metabolic function and hormone levels. The app's AI component doesn't just explain results; it contextualizes them, providing actionable advice tailored to each user. For instance, instead of a generic explanation of cholesterol, the app outlines the user's specific cholesterol levels and provides steps to optimize them.

It echoes public demand. "Today, consumers, particularly Gen-Z and Millennials, are no longer simply testing wellness trends and hoping for the best, but rather asking, 'What does the science say?'" explains Nazarian. "Preventative diagnostics are what they seek." According to the Global Wellness Institute (GWI), the global wellness economy was valued at \$5.6 trillion in 2022 – a 14% increase from 2019.

And while The Estate is leading the way, Nazarian is keen that other industries follow by bringing healthcare to their employees, to the public – and in turn, improving all our health. "The people I'm lucky enough to surround myself with and learn from every day are really encouraged that, within the next five to ten years, the traditional nature of the diseases we all die from can be mitigated," says Nazarian. ■

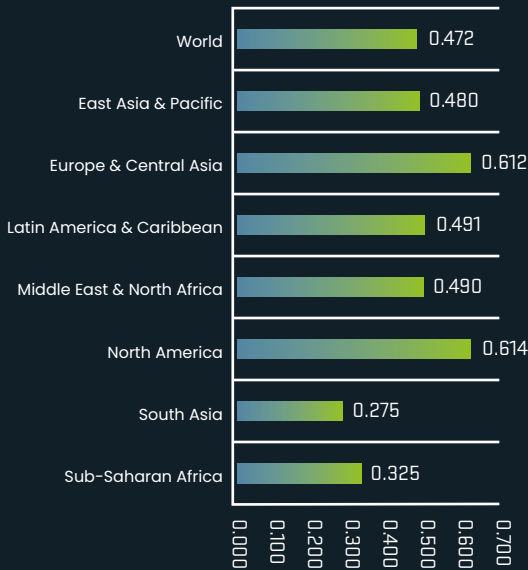
THE GLOBAL DIVIDE IN HEALTHY HUMANITY

The gulf between the Global North and South is narrowing – but can new technologies quicken the pace of change?

AVERAGE HEALTHCARE UNIVERSALISM INDEX LEVELS, 2017

By region

NOTE: A SOCIETY WITH TOTALLY UNIVERSAL HEALTHCARE WOULD BE DEEMED TO HAVE AN INDEX LEVEL OF 1



(SOURCE: THE ROLE OF HEALTHCARE UNIVERSALISM IN ADVANCING HUMAN SECURITY, UNDP, 2022)

15 M

people in Africa are pushed into poverty annually due to health payments

(SOURCE: REPORT OF THE AFRICA HEALTH AGENDA INTERNATIONAL CONFERENCE COMMISSION, 2021)

86%

in the UK say they have equitable healthcare access

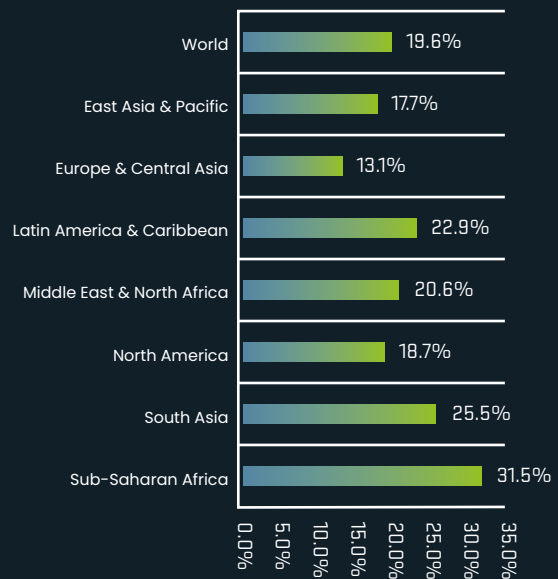
72%

in Nigeria say they have equitable healthcare access

(SOURCE: FII HEALTHY LONGEVITY COMPASS, 2024)

AVERAGE GROWTH RATES IN THE HEALTHCARE UNIVERSALISM INDEX LEVELS, 1995 TO 2017

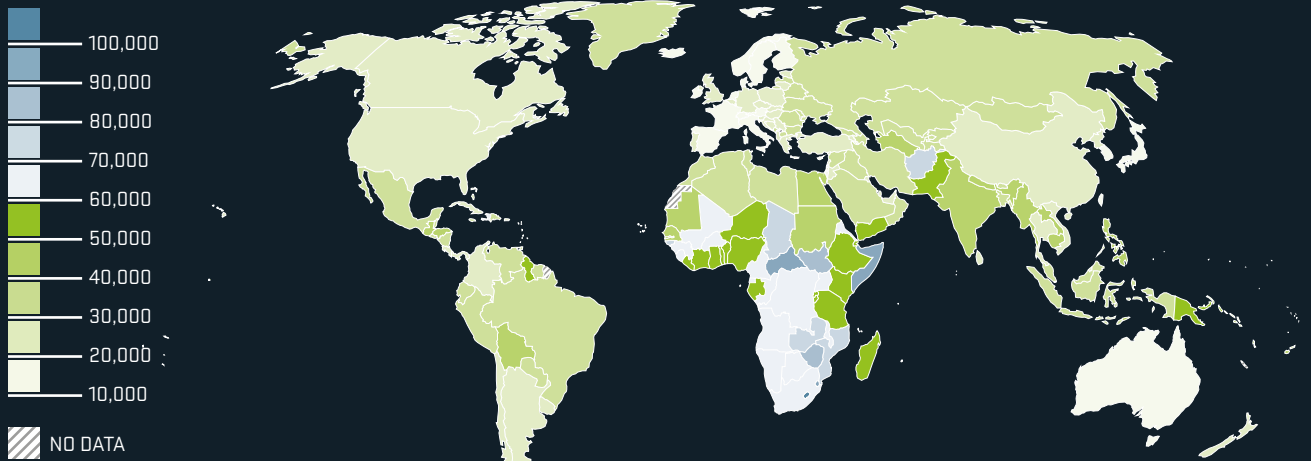
By region



(SOURCE: THE ROLE OF HEALTHCARE UNIVERSALISM IN ADVANCING HUMAN SECURITY, UNDP, 2022)

BURDEN OF DISEASE, 2021

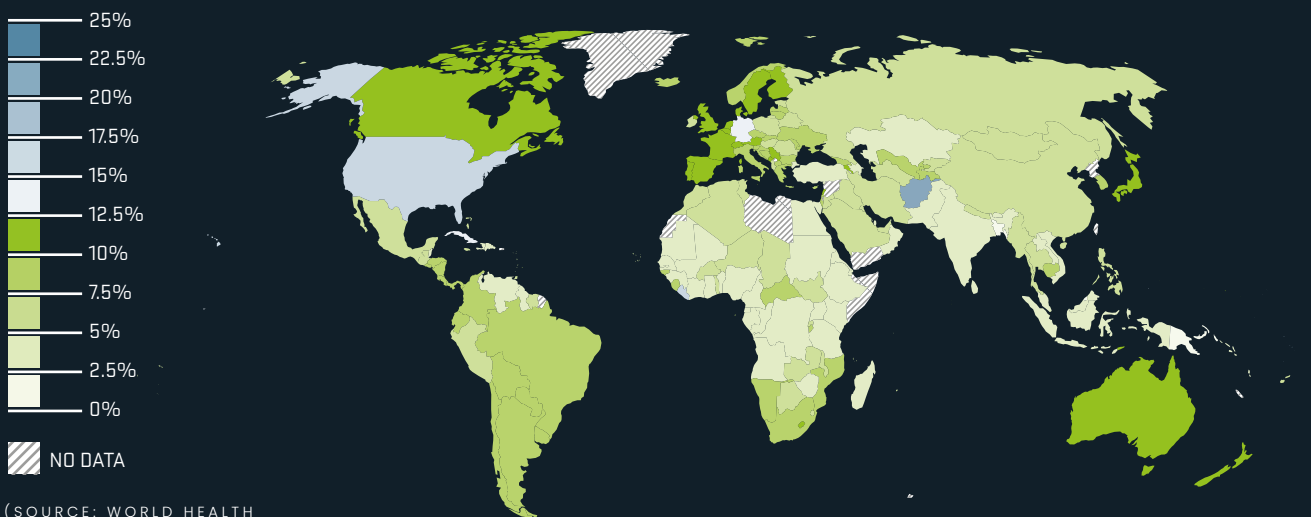
Disability-Adjusted Life Years (DALYs) per 100,000 individuals. DALYs measure the total burden of disease – both from years of life lost due to premature death and years lived with a disability. One DALY equals one lost year of healthy life.



(SOURCE: IHME, GLOBAL BURDEN OF DISEASE, 2024)

TOTAL HEALTHCARE EXPENDITURE AS A SHARE OF GDP, 2021

Total healthcare expenditure as the share of national gross domestic product (GDP).



(SOURCE: WORLD HEALTH ORGANIZATION - GLOBAL HEALTH OBSERVATORY, 2024)

BRIDGING THE DIVIDE IN HEALTHY HUMANITY

Gaps still persist on our planet, and it's incumbent on all of us to help bridge them.

ASK ANYONE AND THEY'LL TELL YOU: THE DIVIDE between Global North and Global South, between rich and poor, and between high-income and low-income countries persists, despite efforts to narrow it. Take one stat uncovered in our FII Healthy Longevity Compass, published in 2024: among countries contributing participants to trials for drugs approved in the United States, high-income nations gain market access within one year of approval; after five years, access rates were 46% for high-income countries, compared to 13% for lower-middle-income countries.

But it's not just about access to the drugs of today that can alleviate the health issue of tomorrow. The richer the country is, the lower the amount its people spend on

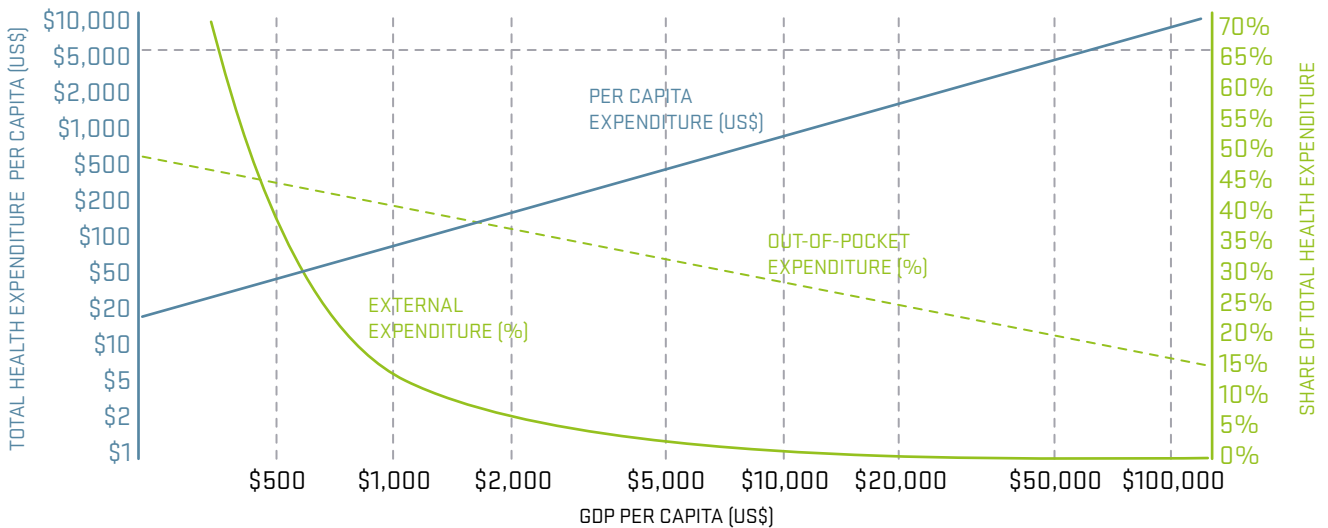
out-of-pocket health costs. The reason is simple: richer countries can afford to subsidize healthcare costs to a greater extent.

This all means there is a massive divide in life expectancy across the world. Those born in Africa today can expect their life to last ten years less than someone born anywhere else on the planet.

Despite this, many in the Global South say they feel more content with their healthcare services and access, according to our FII PRIORITY Compass research. Which means that it's doubly important to improve healthcare around the world to bridge the divide, so that those who need it most recognize the value of a Healthy Humanity, and better medical support to enable them to achieve it. →

SOURCES OF HEALTH EXPENDITURE BY LEVEL OF INCOME

Relationships are shown as the average best fit trend line based on national-level data across countries in 2014



SOURCE: WHO (2017), WORLD HEALTH STATISTICS: MONITORING HEALTH FOR THE SDGs, BASED ON AN EARLIER FIGURE FROM TANDON AND KUROWSKI, PRINCE MAHIDOL AWARD CONFERENCE, FEBRUARY 2016 OUR WORLD IN DATA, 2025



Preventive medicine, such as this initiative in Senegal, will help matters.

→ ALL IN IT TOGETHER

A more equitable planet is a goal we should all strive for. And health equity requires ensuring all individuals have fair access to healthcare services, regardless of their socioeconomic status or geographic location. Businesses have their part to play in this endeavor by implementing comprehensive strategies that encompass not only healthcare access but also the social, environmental and financial determinants of health. For instance, companies can invest in community health programs, support infrastructure development and advocate for policies that promote equitable healthcare distribution.

This is why we launched the FII Healthy Humanity initiative at FII8 last year, and why we're eager to continue pursuing our goal of a Healthy Humanity for all – with the support of organizations that have signed on to make change happen in their environments.

The Global South often faces unique challenges, from high disease burdens to inadequate healthcare infrastructure. Yet it's also a hub of innovation, offering lessons that can benefit the entire world. Businesses have an opportunity to invest in and scale up these solutions, creating a win-win scenario for both North and South that benefits their economies as much as it does their health.

PIONEERING PARTNERS

No single entity can tackle the complexity of global health challenges we face. Collaboration among businesses, governments and civil society is essential. Public-private partnerships (PPPs) have proven effective in leveraging the strengths of each sector to achieve shared goals.

One example is the Global Fund, which combats AIDS, tuberculosis and malaria, and shows how business-

es can work alongside governments and non-profits. Private sector contributions help fund innovations in diagnostics and treatment, while governments ensure implementation of those technologies at scale. Models like this one help demonstrate how aligning interests can amplify impact – and give us an approach to pursue as a planet.

But collaboration will need to go beyond traditional PPPs. Businesses need to actively involve communities in decision-making processes, ensuring their initiatives are culturally relevant and address real needs. This participatory approach not only fosters trust but also ensures sustainable outcomes.

BIG BUSINESS

The arrival of new drugs, including GLP-1s, and the technologies that we've seen in this report, from AI to quantum and everything between, mean the reality of a more Healthy Humanity is nearly upon us.

The vision is within reach, but it requires businesses to move beyond traditional profit motives and embrace their role as global citizens. By fostering innovation, rethinking supply chains, collaborating across sectors and practicing ethical leadership, companies can be catalysts for positive change – and benefit from a workforce in better health.

The challenges are immense, but so are the opportunities. By bridging the gap between the Global North and South, businesses not only ensure their own long-term success but also contribute to a future where health and prosperity are core human values. After all, a healthier humanity benefits everyone – and it's time for businesses to lead the charge. ■

WHY WE NEED A WHOLE-SOCIETY RESPONSE TO HEALTH

The case for combining forces across the private and public sector is laid bare by Professor Adah AlMutairi.



PROFESSOR ADAH ALMUTAIRI, A DISTINGUISHED scholar in Pharmaceutical Chemistry at the University of California San Diego, and a Board Member of the FII Institute, often reflects upon an ancient Arabic proverb: “Health is a crown that the healthy wear but that only the sick can see” This saying serves as a poignant reminder of the often-overlooked blessing of good health, which is truly appreciated only when it is lost.

In Professor AlMutairi’s vision for the future, the afflicted may find solace as we collectively strive toward a societal-wide solution to health challenges. The quest for human longevity presents a dual challenge. On the one hand, there is an array of advanced, futuristic technologies that verge on the realm of science fiction. On the other, age-old health fundamentals, such as regular exercise, balanced whole food nutrition and robust social connections, remain essential to our well-being. Bridging these two domains is crucial for our health.

“Ninety-seven percent of the global population will not partake in high-tech solutions,” she says, highlighting that, for many, the prospect of constant vigilance, red-light therapies, advanced treatments and other innovations remains beyond their grasp. Instead, she underscores the significance of advocating for policies that advance accessible, everyday health measures. Implementing straightforward changes, such as increasing physical activity through walking, reducing the consumption of processed foods and fostering vibrant social interactions, can potentially yield substantial benefits for public health on a wide scale.

For policymakers, this duality poses the challenge of striking a balance between investing in advanced technologies and promoting fundamental yet impactful lifestyle modifications. She explains: “Education is crucial, but it must be bolstered by policies that facilitate and incentivize healthier choices for individuals.” →

PROFESSOR ADAH ALMUTAIRI

Professor Pharmaceutical Chemistry,
University of California (UCSD);
Board Member, FII Institute

“ In a future where there’s more accessibility to preventive medicine, I envision it to be happier and more prosperous. ”

Professor

Adah AlMutairi Nazarian

Professor Pharmaceutical Chemistry, University of California (UCSD); Board Member, FII Institute

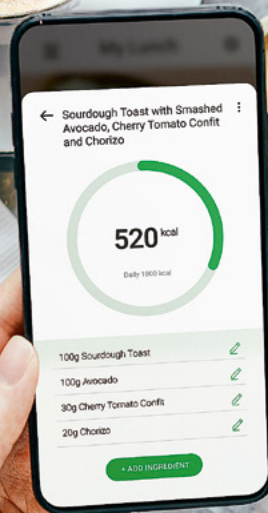
→ **SMALL CHANGES, BIG ACTION**

AlMutairi also believes there is a fundamental misunderstanding about the significant impact that small changes can have on health. It begins with the food industry, noting how modern bread from convenience stores stays fresh on shelves longer than bakery-fresh bread used to for our parents’ generation. Our bodies, still adapted for survival from our hunter-gatherer ancestors, face challenges in a world of excess. A seemingly insignificant pound gained each year can lead to 20 pounds and pose increased health risks.

“It’s about understanding human behavior,” she says. “We’re inherently bad at envisioning our future selves. We don’t immediately feel the effects of skipping a blood pressure pill or a workout today, but that one missed day could be significant in 20 years.”

The solution for most health problems is not just about complicated medical interventions, but about making health engaging, accessible, and enjoyable. One potential strategy is gamification – using game-like elements to promote a healthier lifestyle. AlMutairi envisions insurance companies rewarding healthy behavior, and apps turning exercise into a social contest where friends support each other in reaching wellness goals. In this world, taking care of your health isn’t a tedious task but rather a game you are excited to play and win.

“If your health metrics improve, your insurance premium should go down,” she suggests. While recognizing the potential ethical challenges, she maintains that such incentives could motivate individuals to adopt healthier habits.




50% of the world’s population, some 4 billion people, will be classified as overweight or obese by 2035, according to Deloitte. Gamified apps improving diet may help.

NEW MODELS TO FOLLOW

Governments and businesses that prioritize health can expect to see dividends not just in reduced costs, but also in a more robust, equitable and productive society. Countries like Saudi Arabia and Singapore have started exploring similar concepts, understanding that health is a collective responsibility, not just a personal choice. By creating systems that encourage healthier choices, they are reshaping public health narratives. Every dollar invested in preventive care could save exponentially more in future healthcare costs. Which is why every branch of society ought to play its own part.

Take GLP-1 medications, for instance. Initially developed for diabetes, and found to have extraordinary effects on weight loss, researchers are now discovering remarkable secondary benefits, from the potential prevention of Alzheimer’s plaque buildup to mechanisms that might help combat addiction.

But accessibility remains a critical challenge. A medication costing \$1,000 a month is out of reach for most of the global population. This is where government policy and private sector innovation needs to partner together. These partnerships have yielded better economic outcomes for both governments and the private sector. Public-Private partnerships should always be approached from an economic win-win perspective, in other words “Follow the money,” AlMutairi said. “it’s a great motivator of change.”



Turning healthcare from sick care into preventive care can transform our culture.

→ FROM SICK CARE TO PREVENTIVE CARE

AlMutairi favors the phrase “seeing is believing.” Thus, in her vision of the future, preventive healthcare extends beyond individual treatments. We cannot treat what you cannot see, so investments in imaging technologies are enabling ever more sophisticated and more miniaturized tools to understanding and thus treat aging and disease. Diagnostic tools are getting cheaper and more efficient.

Insurance companies like John Hancock subsidizing medical imaging, or the signatories to FII Institute’s Healthy Humanity initiative, isn’t just a corporate decision, she reckons. It is a signal of a profound shift – from sick care to preventive care, and from treating symptoms to nurturing wellness.

“In a future where there’s more accessibility to preventive medicine, I envision it to be happier and more prosperous,” she says. “Our lifespan is increasing, and we want to make sure that our healthy lifespan is increasing – not just our lifespan.” AlMutairi believes health isn’t just about individual bodies, but about societal ecosystems. It’s about how wealth clusters influence lifestyle and how being healthy can be as contagious as being obese. It involves looking into how our environments shape our choices. “Living to 100 is a lot more expensive than living to 80,” she notes. “It’s not just the additional years; it’s the cost of healthcare for conditions that could have been prevented.” But healthier populations can work longer, into their 60s, 70s or even 80s – offsetting the additional costs with economic contributions of their own. →

→ GLOBAL COMMUNITY CHAMPIONS

The challenges are significant, she recognizes. Short-term political cycles and corporates' focus on quarterly profits are not conducive to long-term plans. And that's before we even consider human psychological resistance to long-term thinking. Yet CEOs and political leaders, she argues, must be willing to invest in initiatives that may not yield immediate results but promise significant long-term benefits.

"Investing in health is a long-term approach," she explains. "Leaders need to be judged on their vision and commitment, not just short-term gains." And for that reason, AlMutairi was nothing if not optimistic.

"Someone has to champion this," she says. Which is why FII Institute's Healthy Humanity initiative is so important, she explains. The organization is using a think tank's most powerful tool: rigorous analysis and compelling storytelling to make a case for change.

The message is clear: health is not a luxury. It's not a personal choice existing in isolation. It's a collective responsibility, an economic strategy, a human right. Get it right, in combination, not isolation, and more people can be crowned with good health in the future. ■



CREATING A HEALTHY HUMANITY FOR ALL

Seven steps to shifting thinking and making a difference to the entire planet.

It's increasingly clear that preventive healthcare is a global priority. The rising burden of non-communicable diseases (NCDs), aging populations and health inequities requires a change in thinking – from reactive treatment to proactive intervention.

Making that sustainable requires engagement from corporations, insurers, governments, individuals, technology firms and medical equipment manufacturers. So what should each party do?

CORPORATIONS: POSITION WORKFORCE HEALTH AS A BUSINESS IMPERATIVE

Employee health drives productivity and reduces costs. Companies that provide preventive screenings and wellness programs see fewer sick days and lower healthcare costs. A healthier workforce strengthens long-term business resilience.

INSURERS: REDUCE CLAIMS COSTS VIA PREVENTION

Early detection of illnesses lowers long-term healthcare expenditures. By subsidizing AI-powered preventive screenings and offering premium incentives for early intervention, insurers can improve customer health while reducing expensive late-stage treatments.

GOVERNMENTS: DEVELOP STRONG PUBLIC HEALTH STRATEGIES

Preventive healthcare is an economic investment that every government ought to consider. National policies should integrate tax incentives for corporations, subsidies for insurers, and public screening infrastructure. Countries that prioritize prevention see higher workforce productivity and lower healthcare spending.

INDIVIDUALS: TAKE RESPONSIBILITY FOR YOUR HEALTH

The public play a role, too. Preventive screenings and early intervention extend life and healthspans. Routine checkups can reduce healthcare costs and improve your quality of life. Behavior change is needed, driven by public awareness, workplace wellness programs and insurance incentives.

TECH FIRMS: ALLOW ACCESS TO AI AND DIGITAL HEALTH TOOLS

AI-driven diagnostics, remote monitoring and digital health platforms can make preventive care more affordable and widely accessible – particularly in emerging markets and the Global South. AI-enabled screenings improve early detection, reducing costs and pressure on hospitals.

MEDICINE: EXPAND ACCESS TO DIAGNOSTICS

New AI-powered medical devices must reach underserved populations. Manufacturers can provide cost-effective screening solutions, partner with public health agencies and enable flexible financing for emerging markets. Affordable diagnostics are key to making prevention a global reality.

A COLLECTIVE IMPERATIVE

Preventive healthcare won't work without cross-sector collaboration. Corporations must prioritize workforce health, insurers must incentivize prevention, governments must enable access, individuals must take charge of their health and technology firms and medical manufacturers must ensure affordability. A proactive model will reduce disease, lower costs and ultimately create a healthier, more resilient world.

TAKE ACTION TODAY

FII Institute has laid down the gauntlet as a “do tank,” not just a “think tank,” spearheading the Healthy Humanity initiative, designed to create a healthier world, and set a new standard for well-being across our planet. Many large organizations have already committed to change. Will you join them?

To sign up to the initiative, visit <https://fii-institute.org>.



NEW TECH CAN CHANGE OUR HEALTH FOR THE BETTER – WITH UNIFIED EFFORT

→ THE GLOBAL PURSUIT OF A Healthy Humanity requires a coordinated, innovative and inclusive approach. It has to transcend borders, sectors and socioeconomic divides. Regardless of approach, and despite different tech, one thing is clear: the future of health lies not just in addressing the symptoms of disease, but in creating systems that prioritize prevention, equity and holistic well-being.

Emerging technologies such as AI, quantum computing and advanced diagnostics are powerful tools that can revolutionize healthcare delivery. But their potential will only be realized if paired with accessible, scalable solutions that bridge the persistent gaps between the Global North and South. This dual focus on cutting-edge advancements and essential, accessible interventions

THE FII INSTITUTE

is guided in all it does by a strong purpose, vision and mission.

PURPOSE
"Enabling a brighter future for humanity"

VISION
"Bringing together the brightest minds and most promising solutions to serve humanity"

MISSION
"Creating a purposeful present, promising future"

is the backbone of FII Institute's Healthy Humanity initiative.

The initiative is a rallying cry for global action, advocating for public-private partnerships to align resources and expertise to drive meaningful change. Combined, the capabilities of businesses, governments and civil society can reduce inequities, integrate wellness into daily life and make preventive care the cornerstone of global health systems.

Ultimately, health is not just an individual benefit. It's a collective good. A healthier world leads to stronger economies, more resilient societies and a more equitable future. FII Institute's Healthy Humanity initiative recognizes this, urging us all to think boldly and act decisively to ensure a longer, healthier and more prosperous life for every person, everywhere.

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FII-I has three pillars to deliver its mission: THINK, ACT and XCHANGE



1 FII-I THINK

Identify societal challenges and current inhibitors. Curate the brightest ideas to address societal issues



2 FII-I ACT

Catalyze innovation and initiatives by mobilizing partners and resources



3 FII-I XCHANGE

Create platforms for live discussions on the future of humanity. Share knowledge, stories and publications with different stakeholders

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