

Me in the Future

Konferans

Gelecekte Ben

28.04.2026
13.30

Konuşmacı:
Dr. Öğretim Üyesi Nuran Aydın
Hemşirelik Bilişimi Derneği başkanı

Çevik Uraz Konferans Salonu

Sağlık Bilimleri Yüksekokulu
Hemşirelik

ULUSLARARASI
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THE World
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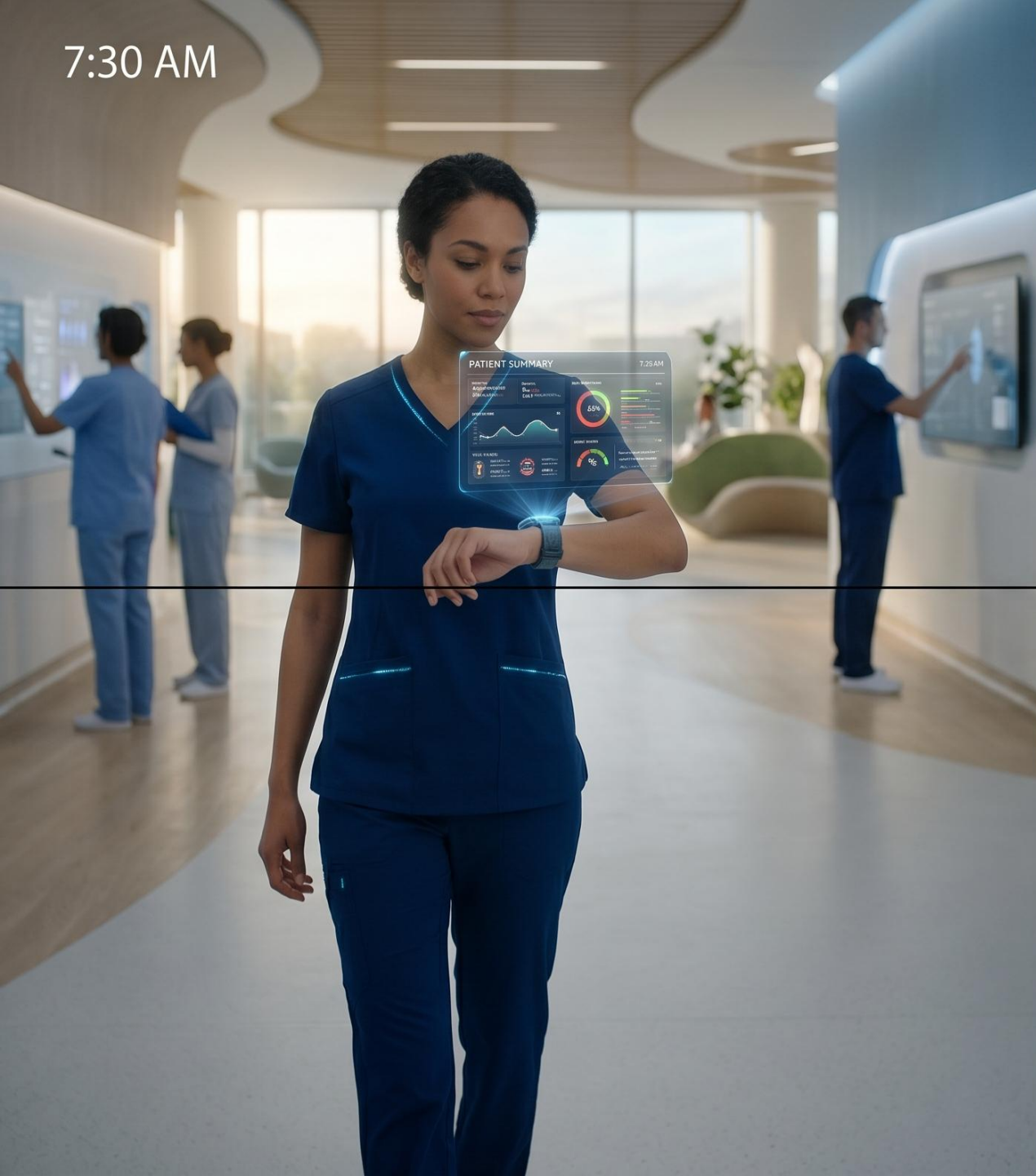
H3D

HEMŞİRELİKTE BİLİŞİM DERNEĞİ
NURSING INFORMATICS ASSOCIATION

Windows'u Et

Nuran Aydın
President of the Nursing Informatics Association
28.04.2026

7:30 AM





Imagine Your Future Day



Smart Systems

Wearable devices and augmented reality provide real-time patient insights.



Real-Time Insights

Holographic dashboards display vital data, predictive analytics, and care recommendations.



More Care, Less Burden

Automated documentation frees time for meaningful patient connections.

Becoming clinical data interpreters ????

Just orally translates spoken

signed language between people in real-time

signed language a computer program that translates

executes high-level code line-by-line.

The AI-Augmented Nurse

The Hybrid Professional

Clinical Data Interpreter

You bridge human intuition with machine intelligence, translating complex data into actionable care.

Human + Machine Collaboration

Work alongside AI systems that process millions of data points while you focus on judgment and compassion.

Pattern Recognition

Identify subtle changes and make critical decisions that algorithms alone cannot achieve.

High Tech, High Touch



AI Handles Data

Algorithms process information, monitor vitals, and flag concerns.



Nurses Focus on Empathy

You provide comfort, understanding, and human connection.



Technology Enhances Humanity

Tools amplify your ability to care deeply and effectively.





7:30 AM

DEVICES SYNC...
INSIGHT IS CURATED.



THE HEAVY LIFTING IS DONE...
SHE IS FREE TO LISTEN.



NOT A TASK PERFORMER.



A HEALER.
A GUIDE.
THIS IS YOU.



<https://www.youtube.com/watch?v=cZf-vs1hww>

China Unveils World's First AI-Powered Hospital

THE GREAT RESET: RESHAPING OUR WORLD

RESTRUCTURING ECONOMIES (ECONOMIC RESET)

STAKEHOLDER CAPITALISM

GREEN INVESTMENTS

FAIRER TAX SYSTEMS

INCLUSIVE GROWTH

DEBT SUSTAINABILITY

GLOBAL COOPERATION



GREEN INVESTMENTS

SENIAA ENERGY

RENEWABLE ENERGY

ENSURING SUSTAINABILITY (ENVIRONMENTAL RESET)

NET ZERO EMISSIONS

RENEWABLE ENERGY TRANSITION

BIODIVERSITY PROTECTION

REGENERATIVE AGRICULTURE

NATURE-POSITIVE FUTURE

NET ZERO EMISSIONS

REGENERATIVE AGRICULTURE

CIRCULAR ECONOMY

KEY THEMES & INTERCONNECTIONS

THE CORE MANDATE

1. STEER MARKETS

2. ADVANCE SHARED GOALS

3. HARNESS TECHNOLOGY

SOCIAL EQUITY & INCLUSION

STRENGTHENING SOCIETY (SOCIAL RESET)

SOCIAL EQUITY & INCLUSION

UNIVERSAL BASIC INCOME (EXP)

UP-SKILLING WORKFORCE

HEALTHCARE ACCESS FOR ALL

REDUCING INEQUALITY

EDUCATION FOR FUTURE

HARNESSING THE FOURTH INDUSTRIAL REVOLUTION (TECHNOLOGICAL RESET)

AI & BIOTECH FOR GOOD

SMART INFRASTRUCTURE

DATA PRIVACY & ETHICS

DIGITAL INCLUSION

ADVANCED MANUFACTURING

INNOVATION & DIGITAL TRANSFORMATION

GLOBAL COOPERATION

MODERNIZING GOVERNANCE (INSTITUTIONAL RESET)

TRANSPARENT LEADERSHIP INSTITUTIONS

COMBATING CORRUPTION

CRISIS RESILIENCE

REGULATORY FRAMEWORKS

THE DRIVING FORCES

WORLD ECONOMIC FORUM

GLOBAL LEADERS

BUSINESSES

CIVIL SOCIETY



THE CATALYST (INPUT)

COVID-19 PANDEMİSİ



SİSTEMİK KRİZ
(SYSTEMIC CRISIS)



YAPISAL EŞİTSİZLİKLER
(STRUCTURAL INEQUALITIES)

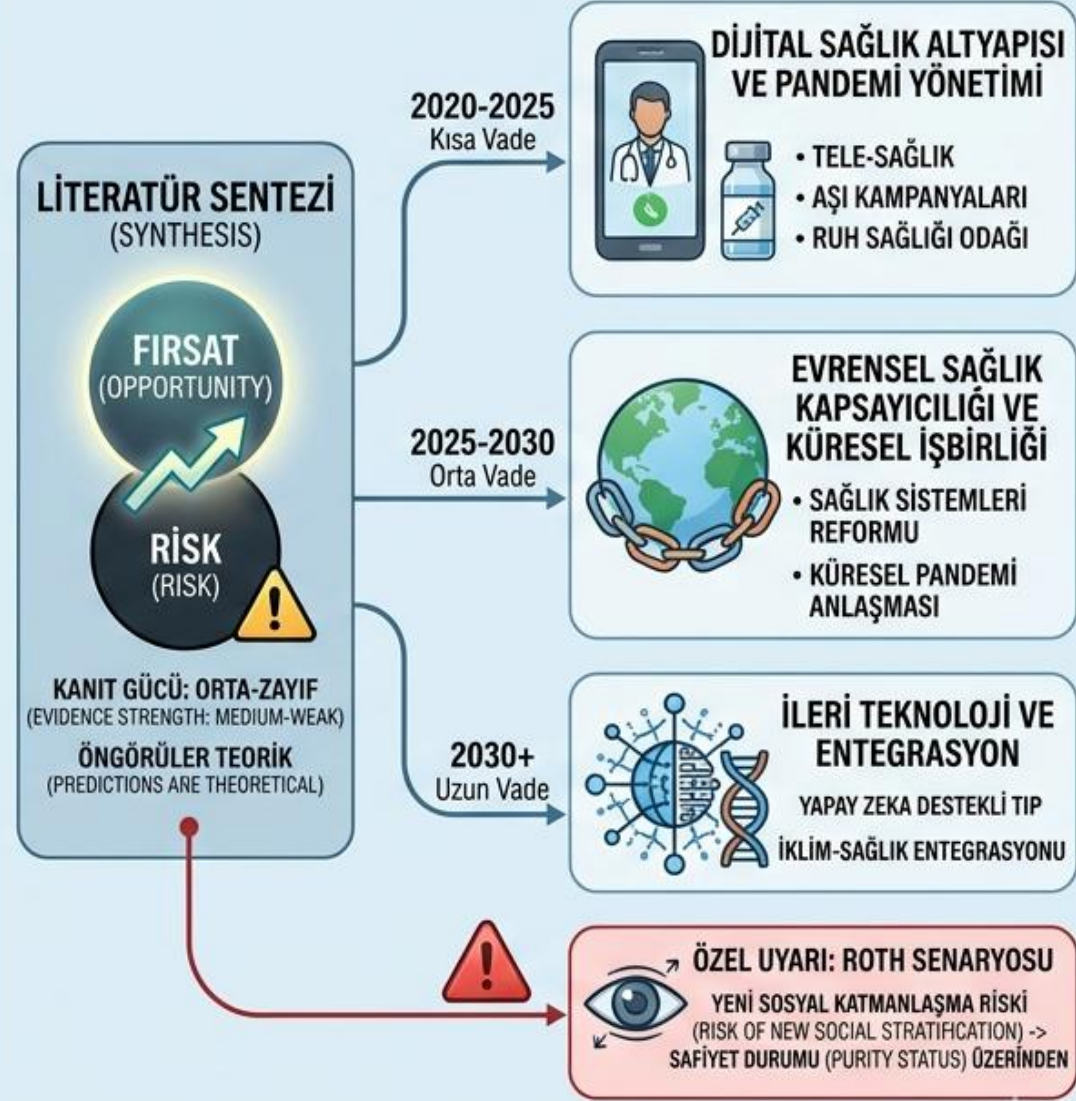


ZAYIF HALK SAĞLIĞI
(WEAK PUBLIC HEALTH)

THE PROCESS (THE GREAT RESET MECHANISMS)



THE OUTPUT (PREDICTED HEALTH OUTCOMES & RISKS)



KEY TAKEAWAY: ' SAĞLIKTA GÜÇLÜ BİR RESET: YAPILANDIRILMIŞ İYİLEŞTİRME (A STRONG RESET IN HEALTH: STRUCTURED IMPROVEMENT).

(Analiz, Schwab, Mehra, Doumba, Roth et al. 2020-2022'ye dayanmaktadır).



What AI Will Do

Predict Risks

Analyze patterns to identify patients at risk before complications arise.

Automate Documentation

Generate notes, update records, and complete administrative tasks.

Support Decisions

Provide evidence-based recommendations and clinical guidance in real-time.

What might the new reality of patient care be in 2035?

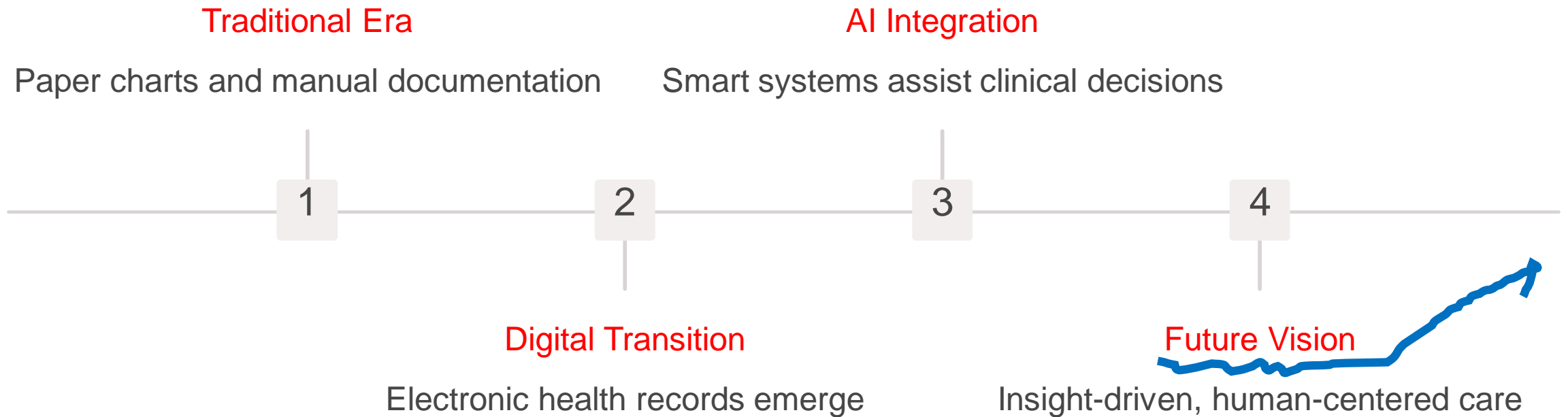
The Scenario

In 2035, a patient's risk of sepsis will be detected via their digital twin three days before they arrive at the hospital.

The nurse isn't at the patient's bedside — she's at a **design meeting for the algorithm**



The Evolution of Nursing



Nursing evolves from task-based care to insight-driven practice, powered by AI integration.



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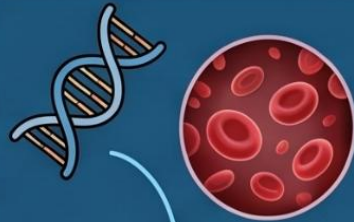
THE DIGITAL TWIN – YOUR NUMERICAL AVATAR

A **Digital Phenotype** is a **continuous, real-time digital copy** of an individual's biological, behavioral, and environmental data.

The Purpose: Reflects current health status, predicts future risks, and forms the foundation of proactive intervention.



BIOLOGICAL LAYER



- PHYSIOLOGICAL MEASUREMENTS (from <IMAGE 0> devices)
- GENETIC DATA
- BIOCHEMICAL PARAMETERS



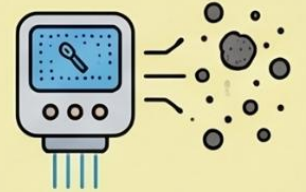
DIGITAL TWIN
(NUMERICAL AVATAR)

BEHAVIORAL LAYER



- SLEEP QUALITY
- PHYSICAL ACTIVITY
- NUTRITIONAL HABITS

ENVIRONMENTAL LAYER



- AIR QUALITY
- ENVIRONMENTAL ALLERGENS
- DOMESTIC FACTORS

THE FUTURE NURSE: SKILLS FOR THE DIGITAL TWIN AGE

CLINICAL DATA INTERPRETATION



DATA ENTRY



DATA INSIGHT

MOVING FROM DATA ENTRY TO DATA INSIGHT.
Mastering patient summaries & predictive alerts.

DESIGN-ORIENTED REQUIREMENT ANALYSIS (DORA)



PARTICIPATING IN THE CREATION OF THE TOOLS YOU USE.

Designing intuitive, patient-centered nursing interfaces.

AI ETHICS & GOVERNANCE



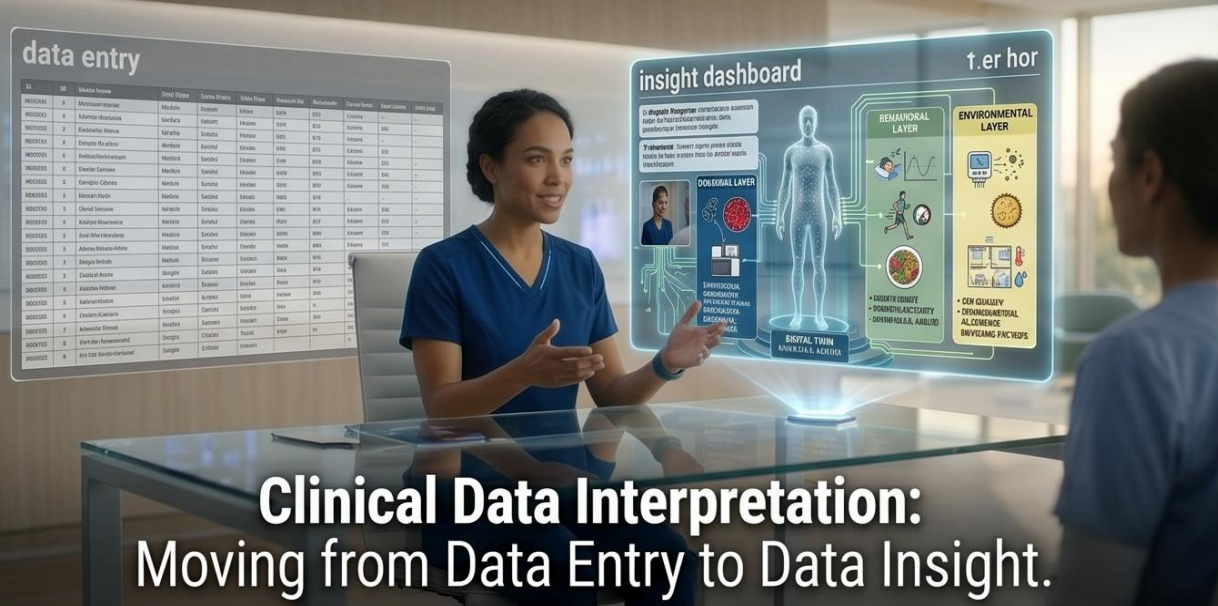
ENSURING FAIR, UNBIASED, AND SAFE TECHNOLOGY.
Oversight of algorithm deployment and ethics.

DIGITAL LITERACY



MASTERING THE INTERFACE BETWEEN HUMAN INTUITION AND MACHINE INTELLIGENCE.
Fluency in digital twin systems & data management.

FUTURE NURSE TRAINING ACADEMY



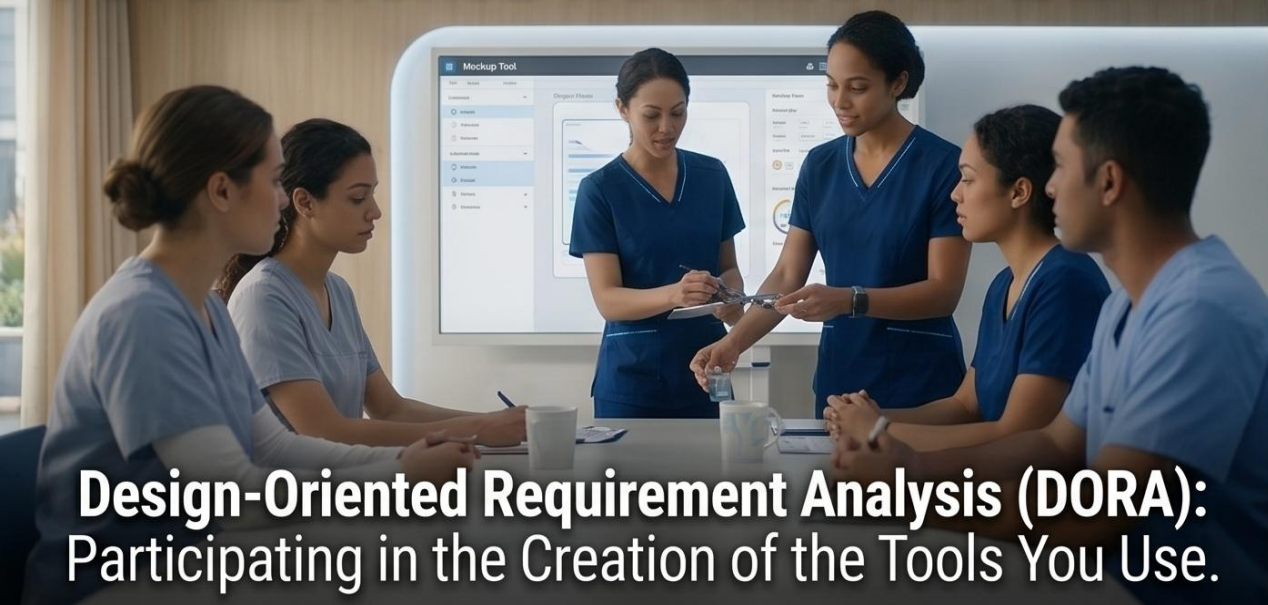
Clinical Data Interpretation:
Moving from Data Entry to Data Insight.

AI ETHICS & GOVERAINING ACADEMY



AI Ethics & Governance:
Ensuring Technology remains Fair, Unbiased, and Safe.

FUTURE NURSE TRAINING ACADEMY



Design-Oriented Requirement Analysis (DORA):
Participating in the Creation of the Tools You Use.

FUTURE NURSE TRAINING ACADEMY



Digital Literacy: Mastering the Interface between
Human Intuition and Machine Intelligence.

1. AI HANDLES THE DATA COMPLEXITY...
EARLY WARNINGS (98% CONFIDENCE)
& RISK SCORES.



AI ENGINE - RISK PREDICTION (SEPSIS) 1/32 Nov
98% CONFIDENCE



heavy data load



Earhr and Ir to
gently prioritize

2. ...SO YOU ARE FREE TO DO
WHAT ONLY A HUMAN CAN DO.



3. YOU WALK INTO YOUR PATIENT'S
ROOM—NOT AS A TASK PERFORMER,
BUT AS A HEALER, A LISTENER, A GUIDE.



THIS... IS YOU.

1. Device Sync (Real-time data flow)

The patient summary arrives... predictive risk scores, early warning signals, emotional indicators.

7:30 AM



2. The AI has done the heavy lifting.

As a 'Clinical Data Interpreter', I move from entry to insight. AI ethics and safety are prioritized.



3. You are free to do what only a human can do.



High Tech, High Touch.

My focus is on compassion, ethics, and emotional support.

You are no longer a task performer, but a healer, a listener, and a guide.



**THIS... IS THE AI-AUGMENTED NURSE.
THIS... IS YOU.**



Will the nurses graduating today be providing care to patients in the future, or will they be designing care systems?

Future Career Positions (Next 10 Years)

Clinical AI Integration Specialist

Medical Prompt Engineer

Remote Patient Monitoring (RPM) & Data Analyst

Genomic & Precision Medicine Nurse

Health Algorithm Auditor / Ethical Compliance Nurse

Digital Therapeutics Coach

Robotic Surgery & Care Coordinator

Virtual Reality (VR) Rehabilitation Nurse

Longevity Nurse (Lifespan & Healthy Aging Consultant)

Clinical Workflow Architect

Digital Age Competency Set

1.Data Literacy

2.Algorithmic Thinking

3.Prompt Engineering

4.System and Process Analysis

5.Epistemic Discipline (Clinical Validation)

6.Interdisciplinary Communication (Technical Translation)

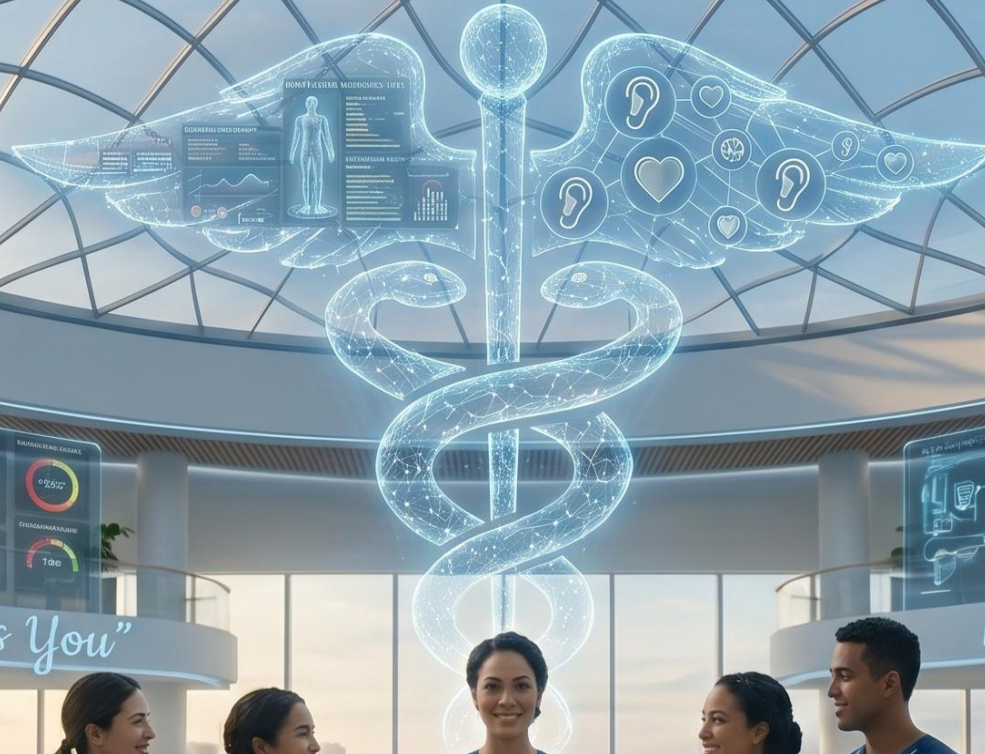
7.Digital Ethics and Privacy Management

8.Signal/Noise Management

9.Hybrid (Human-Machine) Collaboration Ability

10.Digital Empathy and Leadership

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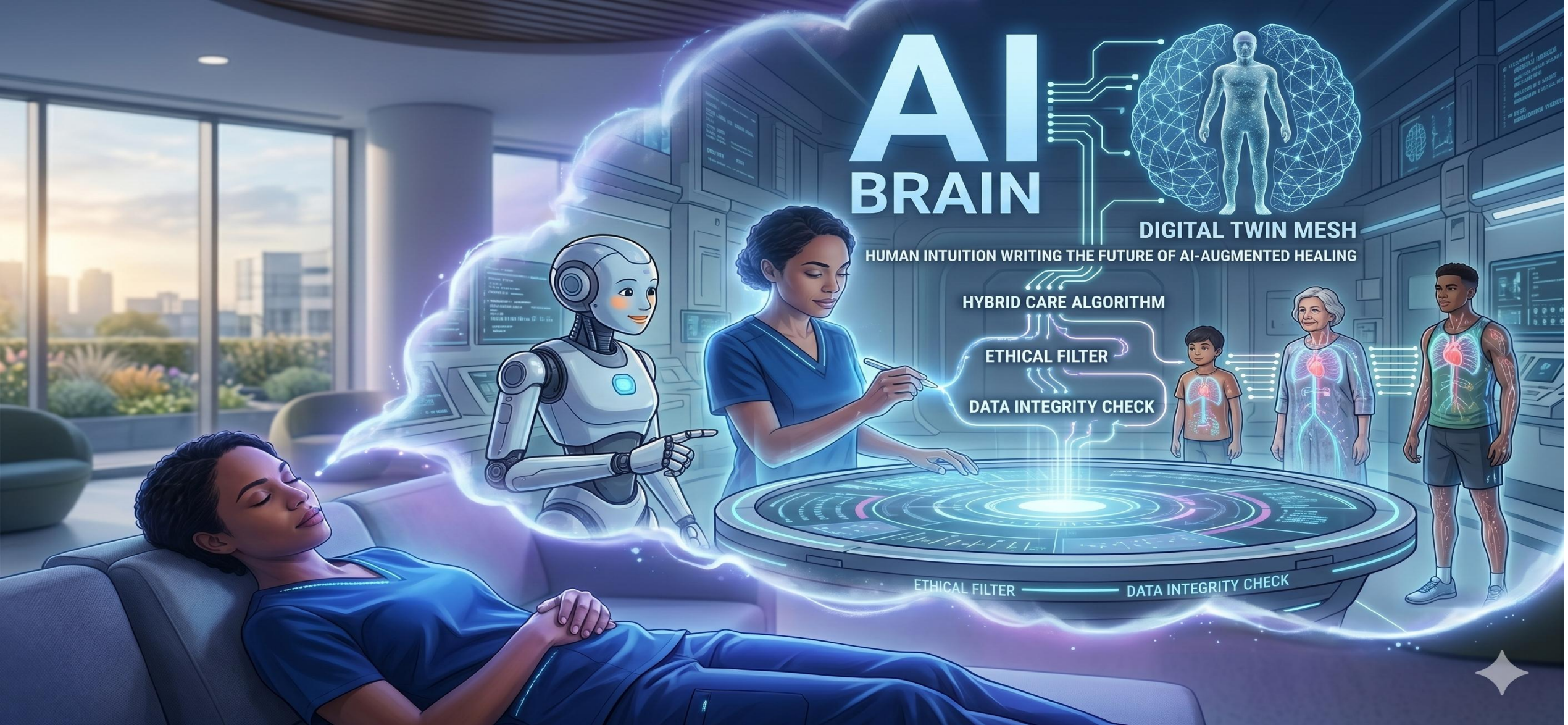


Conclusion – “This is You”

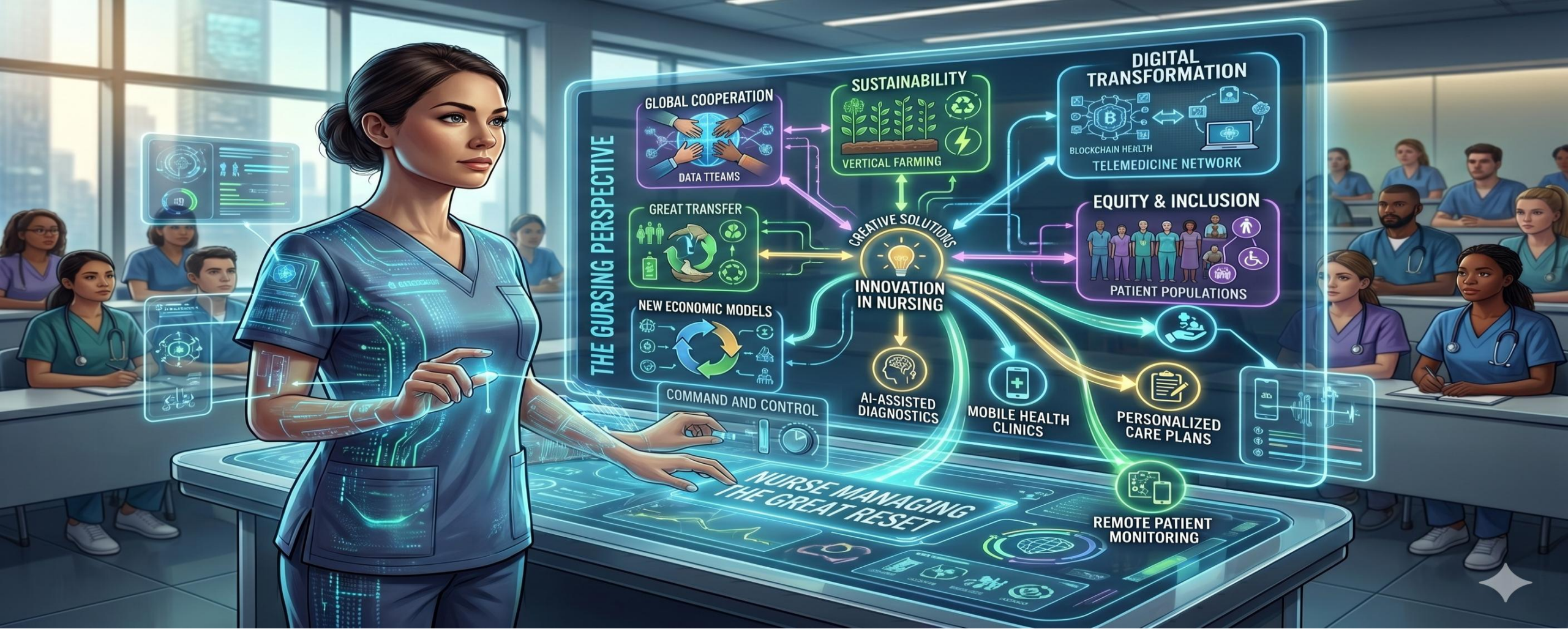
healer, and a guide.

Conclusion – “This is You”

The AI-augmented nurse is a leader of digital transformation. You are no longer a “task performer” but a healer, a listener, and a guide. ✨



Start with dreaming



Next-generation creators;
who can direct artificial intelligence like an orchestra conductor

Cofee on Mars'ta

A cozy, high-tech coffee shop inside a glass dome on Mars, red dusty landscape visible through the window, floating espresso droplets in low gravity, holographic menus, cinematic concept art, vibrant orange and teal colors

Why am I
I here?

Poinvui siim-
je ici?

Neden
buradayin?

Por quey
asjui?

Whrm bin
zich hier?



Coming soon2035



Your Future Starts Now



You Shape the Future

Your voice, values, and vision determine how AI transforms nursing.



Technology Needs Your Voice

Engineers need your clinical expertise to build systems that truly serve patients.



Humanity Is Your Power

Compassion, judgment, and connection cannot be automated—they define your irreplaceable value.

REFERANSLAR

- Ashley, E. A. (2016). Towards precision medicine. *Nature Reviews Genetics*, 17(9), 507–522. <https://doi.org/10.1038/nrg.2016.86>
- Bohr, A., & Memarzadeh, K. (2020). The rise of artificial intelligence in healthcare applications. In *Artificial Intelligence in Healthcare* (pp. 25–60). Academic Press. <https://doi.org/10.1016/B978-0-12-818438-7.00002-2>
- Calvo, R. A., & D’Mello, S. (2010). Affect detection: An interdisciplinary review. *IEEE Transactions on Affective Computing*, 1(1), 18–37. <https://doi.org/10.1109/T-AFFC.2010.1>
- Collins, F. S., & Varmus, H. (2015). A new initiative on precision medicine. *New England Journal of Medicine*, 372(9), 793–795. <https://doi.org/10.1056/NEJMp1500523>
- Davenport, T., & Kalakota, R. (2019). The potential for artificial intelligence in healthcare. *Future Healthcare Journal*, 6(2), 94–98. <https://doi.org/10.7861/futurehosp.6-2-94>
- European Commission. (2020). *White paper on artificial intelligence: A European approach to excellence and trust*. <https://ec.europa.eu>
- Floridi, L., Cowls, J., Beltrametti, M., Chatila, R., Chazerand, P., Dignum, V., ... Vayena, E. (2018). AI4People—An ethical framework for a good AI society. *Minds and Machines*, 28(4), 689–707. <https://doi.org/10.1007/s11023-018-9482-5>
- Institute of Medicine. (2015). *Measuring the impact of interprofessional education on collaborative practice and patient outcomes*. National Academies Press.
- International Council of Nurses. (2021). *Nursing and digital health: A position statement*. ICN. <https://www.icn.ch>
- Iyengar, K., Upadhyaya, G. K., Vaishya, R., & Jain, V. (2020). COVID-19 and applications of digital health. *Diabetes & Metabolic Syndrome*, 14(5), 757–760. <https://doi.org/10.1016/j.dsx.2020.07.012>
- Keesara, S., Jonas, A., & Schulman, K. (2020). COVID-19 and health care’s digital revolution. *New England Journal of Medicine*, 382(23), e82. <https://doi.org/10.1056/NEJMp2005835>
- Kim, Y. (2025). Pediatric nursing in the AI era: From clinical integration to ethical practice to education. *Child Health Nursing Research*, 31(3), 131–133. <https://doi.org/10.4094/chnr.2025.025>
- McBride, S., Tietze, M., & Hanley, M. A. (2017). *Nursing informatics for the advanced practice nurse* (2nd ed.). Springer.
- Meskó, B., Drobni, Z., Bényei, É., Gergely, B., & Gyórfy, Z. (2017). Digital health is a cultural transformation of traditional healthcare. *mHealth*, 3, 38. <https://doi.org/10.21037/mhealth.2017.08.07>
- Miranda, M. L. (2023). AI and the future of higher education: Challenges and opportunities. *Science*, 381(6654), 111–112. <https://doi.org/10.1126/science.adj1235>
- OECD. (2023). *Health at a glance 2023: OECD indicators*. OECD Publishing. https://doi.org/10.1787/health_glance-2023-en
- Ronquillo, C. E., Currie, L., Rodney, P., & Graham, I. (2021). Artificial intelligence in nursing: Priorities and opportunities. *International Journal of Nursing Studies*, 122, 104044. <https://doi.org/10.1016/j.ijnurstu.2021.104044>
- Topol, E. (2019). *Deep medicine: How artificial intelligence can make healthcare human again*. Basic Books.
- UNICEF. (2023). *Policy guidance on AI for children*. <https://www.unicef.org/reports/policy-guidance-ai-children>
- World Health Organization. (2021). *Ethics and governance of artificial intelligence for health*. WHO. <https://www.who.int>
- World Health Organization. (2021). *Global strategy on digital health 2020–2025*. WHO. <https://www.who.int>
- World Economic Forum. (2020). *Shaping the future of healthcare: Artificial intelligence and digital transformation*. WEF.
- Zheng, H., Sharma, P., Johnson, M., Danieleto, M., Alleva, E., Charney, A. W., & Glicksberg, B. S. (2025). Integration of artificial intelligence and wearable devices in pediatric clinical care. *Bioengineering*, 12(12), 1320. <https://doi.org/10.3390/bioengineering12121320>
- Zhang, W., Xiong, K., Zhu, C., Evans, R., Zhou, L., & Podrini, C. (2024). Promoting child and adolescent health through wearable technology. *Digital Health*. <https://doi.org/10.1177/20552076241260507>

HEMŞİRELİK BİLİŞİM DERNEĞİ

HEMBİLDERİ

Üyelik İçin Başvur!

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