



Artisight

Andrew Gostine, MD, MBA
Chief Executive Officer

Remote Nursing



A 36-Hospital Time and Motion Study: How Do Medical-Surgical Nurses Spend Their Time?
The Permanente Journal/ Summer 2008/ Volume 12 No. 3 (<https://www.issueab.org/resources/8134/8134.pdf>)

Nursing Activities by Time		
Documentation	35.3%	147.5 min
Care Coordination	20.6%	86 min
Patient Care	19.3%	81 min
Medication Administration	17.2%	72 min
Patient Assessment	7.2%	31 min

233.5 minutes back on top of 184 of work
(**127% increase in clinical productivity**)

Eliminating just 70 min of documentation/care coordination yields a 20% productivity gain:

1. Solves the ~20% nursing shortage
2. Improves patient satisfaction
3. Improves nursing satisfaction
4. Improves patient outcomes

Remote Nursing Playbooks

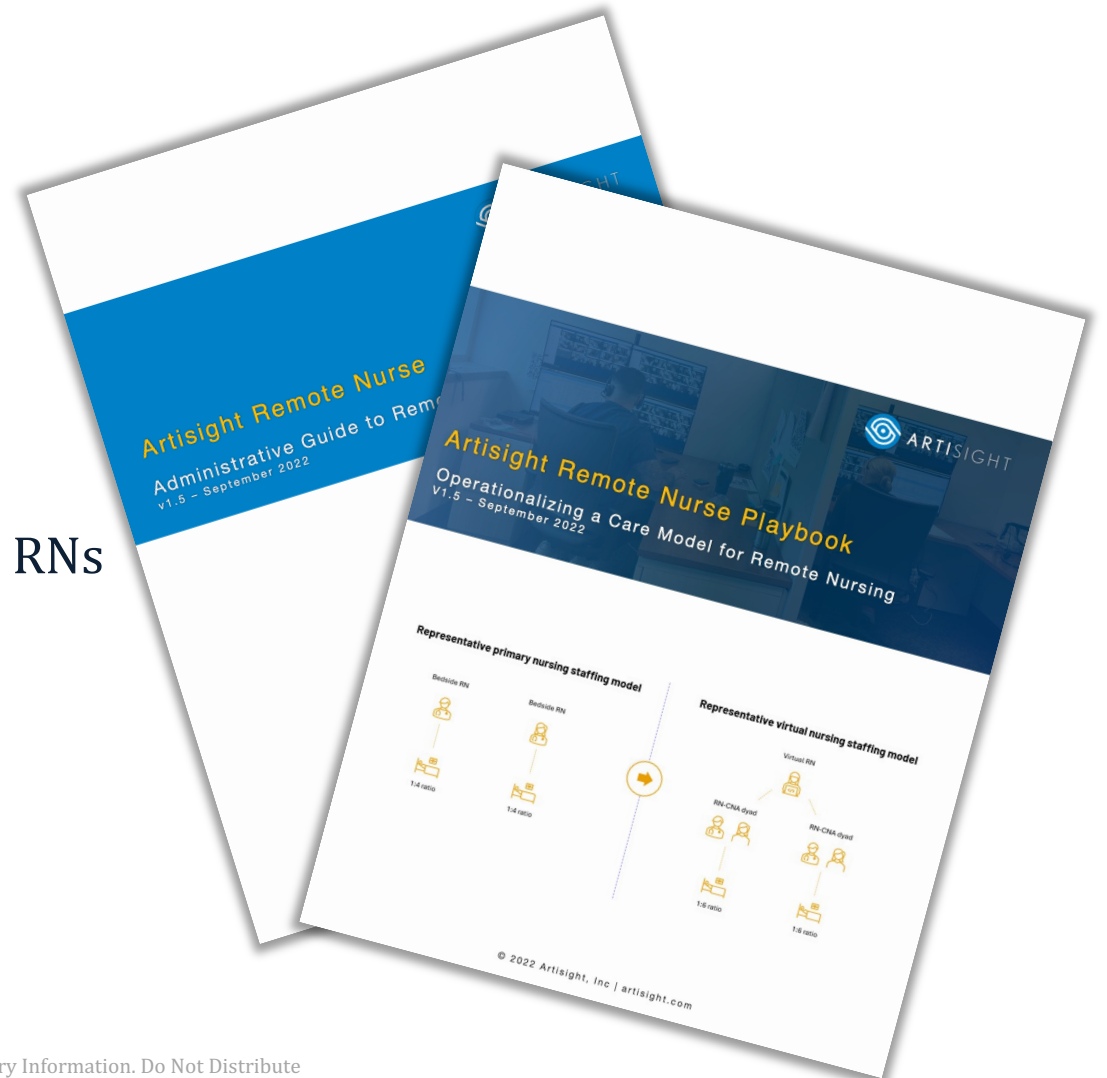
Change Management – A user manual for operationalizing remote care

Administrator Playbooks – VPs, C-suite

- Remote Nurse JD
- Staffing Models – Hybrid vs Fully Remote
- Working Group Composition
- Medico-Legal FAQs

Nurse Playbook – Nurse Managers, Bedside/Remote RNs

- Roles/Responsibilities
- Day Shift vs Night Shift Workflows
- Nursing Specialty-Specific Workflows
- Training Plan
- Role Play Scenarios



Remote Nursing Analytics

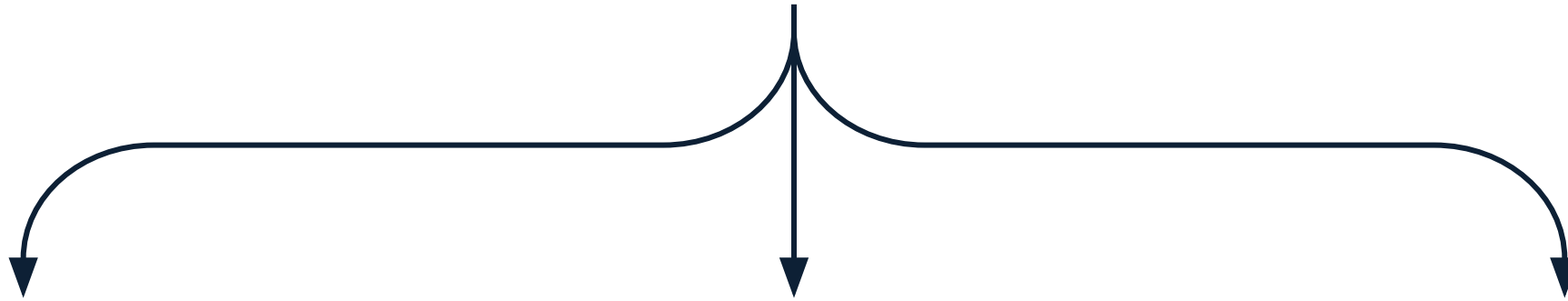


Care Transformation Analytics

1. How many calls by hour of day
2. Average call duration
3. Peak demand periods and forecasting
4. Type of calls (audio only or audio and video)
5. Calls initiated by the bedside nurse vs the remote nurse
6. Interface interactions per hour

All the metrics needed to optimize the remote nursing program for scale

Scaling Remote Care Teams



Ambient Documentation

1. Flow Sheet
2. I/O's
3. Patient Turns
4. Vitals
5. Staff Duress

Ambient Monitoring

1. Falls Prevention
2. Pressure Ulcer Prevention
3. Vital Signs Monitoring
4. Device Interventions
 - IV Pumps
 - Ventilators
5. Hand Hygiene
6. Sepsis/Delirium*

Staff Monitoring & Documentation

1. Admissions
2. Discharges
3. Patient Education
4. Care Coordination

Ambient Nursing Documentation



Speech Transcription

Sarah Ryan, RN: “Ok Artisight, document patient turn left. Bolster placed under right shoulder”

Patient Turn Documentation

Patient: Mathew Zleczewski

Date: 7/30/24

Patient Turn: Left

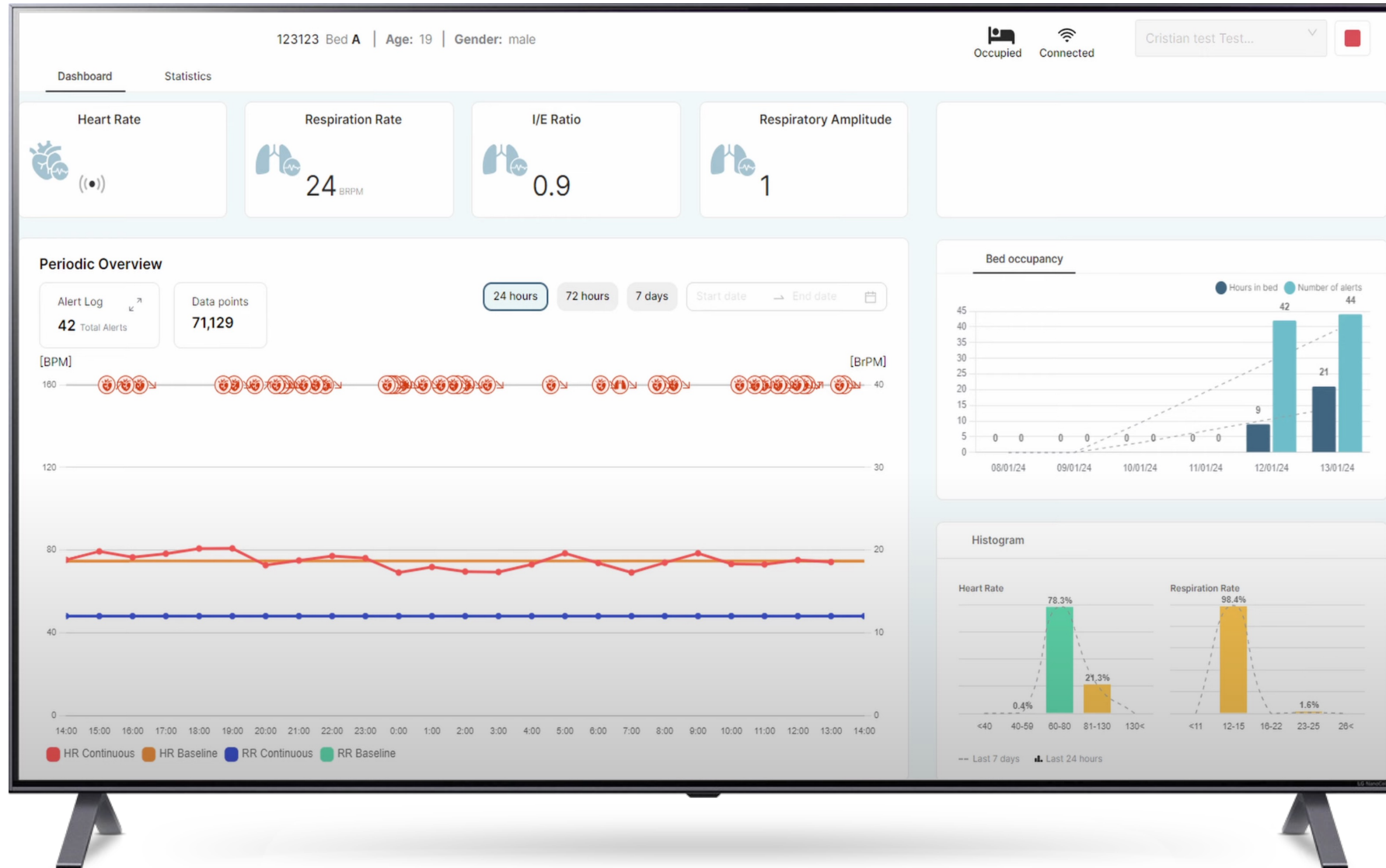
Bolster: Yes

Location: Right shoulder

Say “**Confirm Documentation**” to write to patient record.

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Ambient Vital Signs Monitoring



Ambient Device Monitoring



MASTER SERVICES AGREEMENT

ICMMasterAgreement_4544

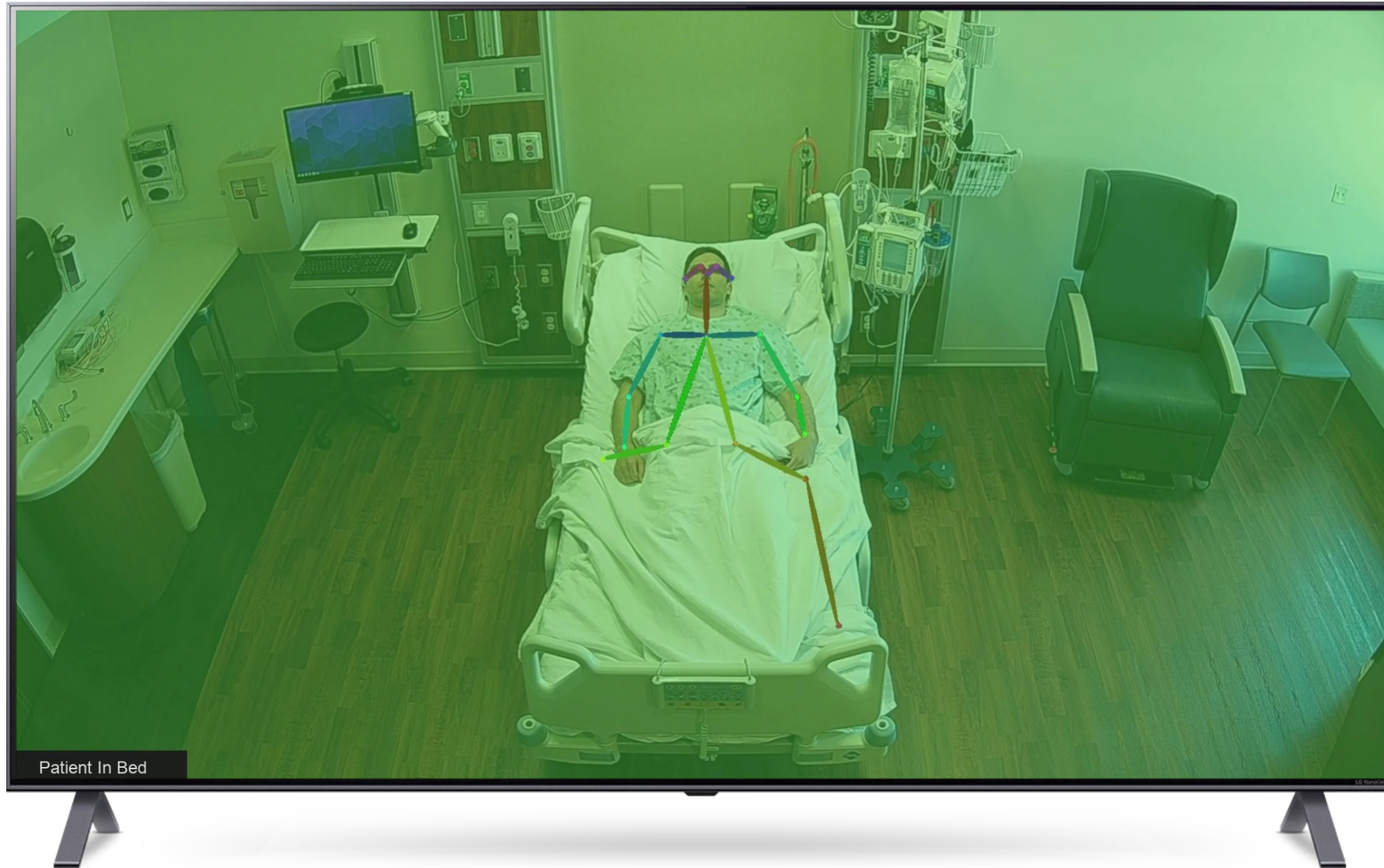
This MASTER SERVICES AGREEMENT (“*Agreement*”) is entered into as of 2024-09-01, (the “*Effective Date*”), by and between Becton, Dickinson and Company, on behalf of itself and its world-wide affiliates, with a principal office located at 1 Becton Drive, Franklin Lakes, NJ 07417 (“*BD*”) and Artisight, Inc., with a principal place of business located at 1658 N. Milwaukee Ave. STE B PMB 5661, Chicago, IL 60647-5652 (“*Supplier*”). BD and Supplier are referred to herein collectively as the “*Parties*” and individually as a “*Party*.”

The Parties, intending to be legally bound, hereby agree as follows:

1. Definitions.

For the purposes of this Agreement, the following terms have the meanings set forth below:

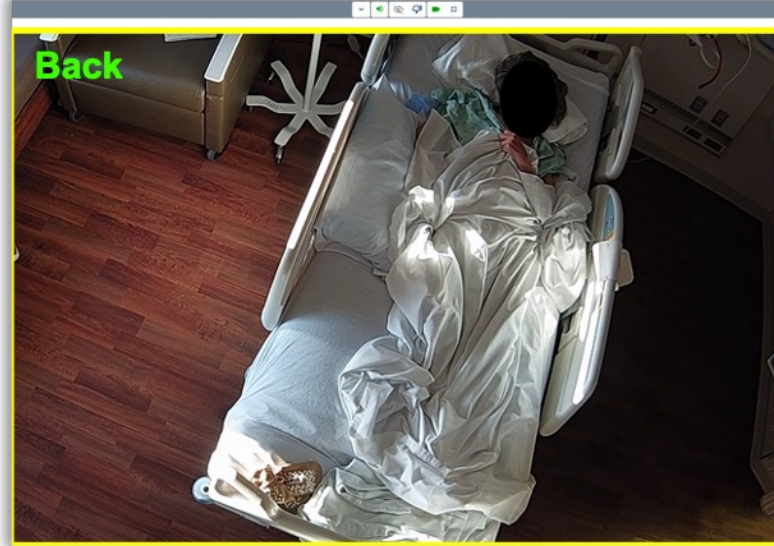
Fall Prevention



Patient In Bed

LG HomeCo.

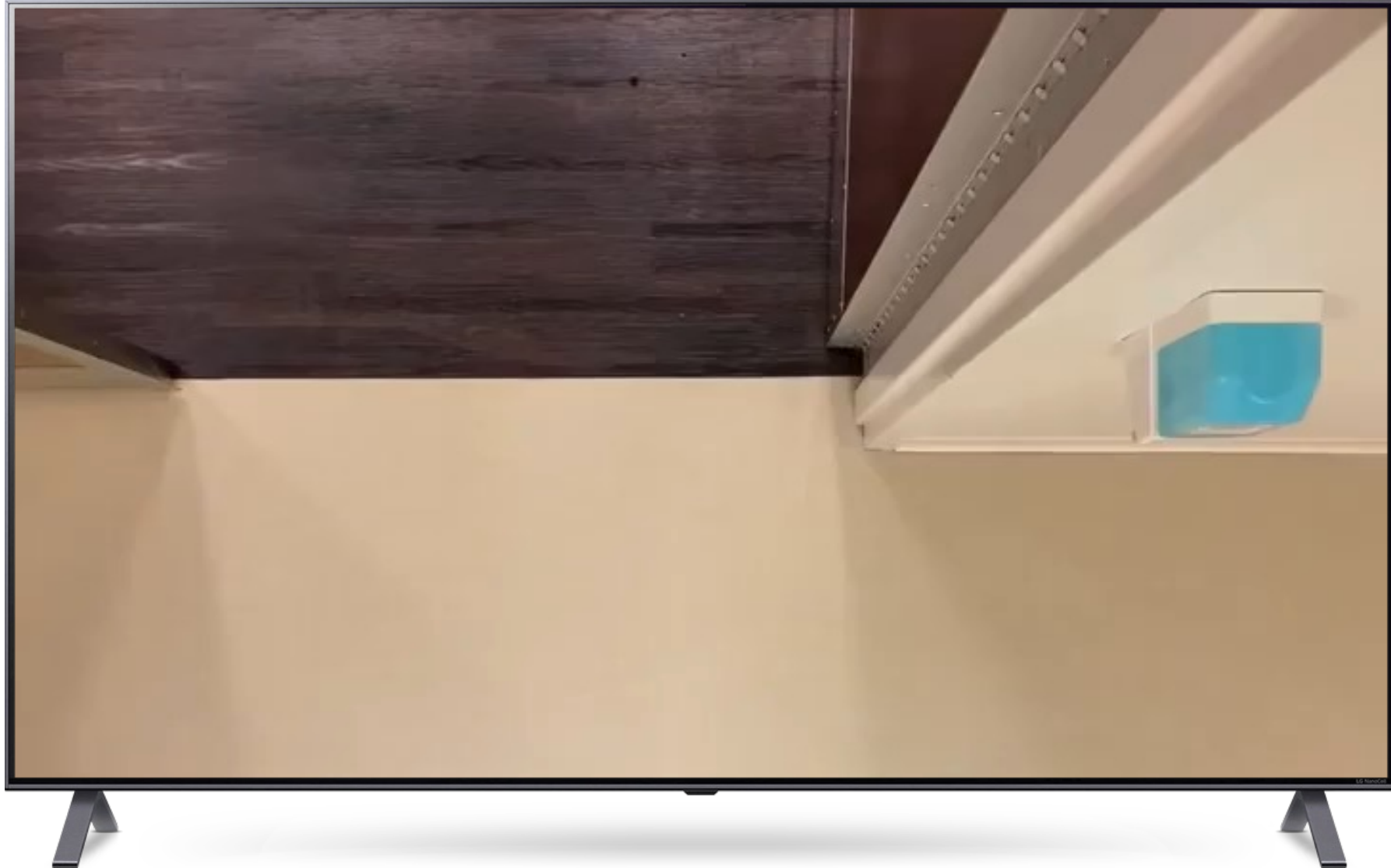
Pressure Ulcer Prevention



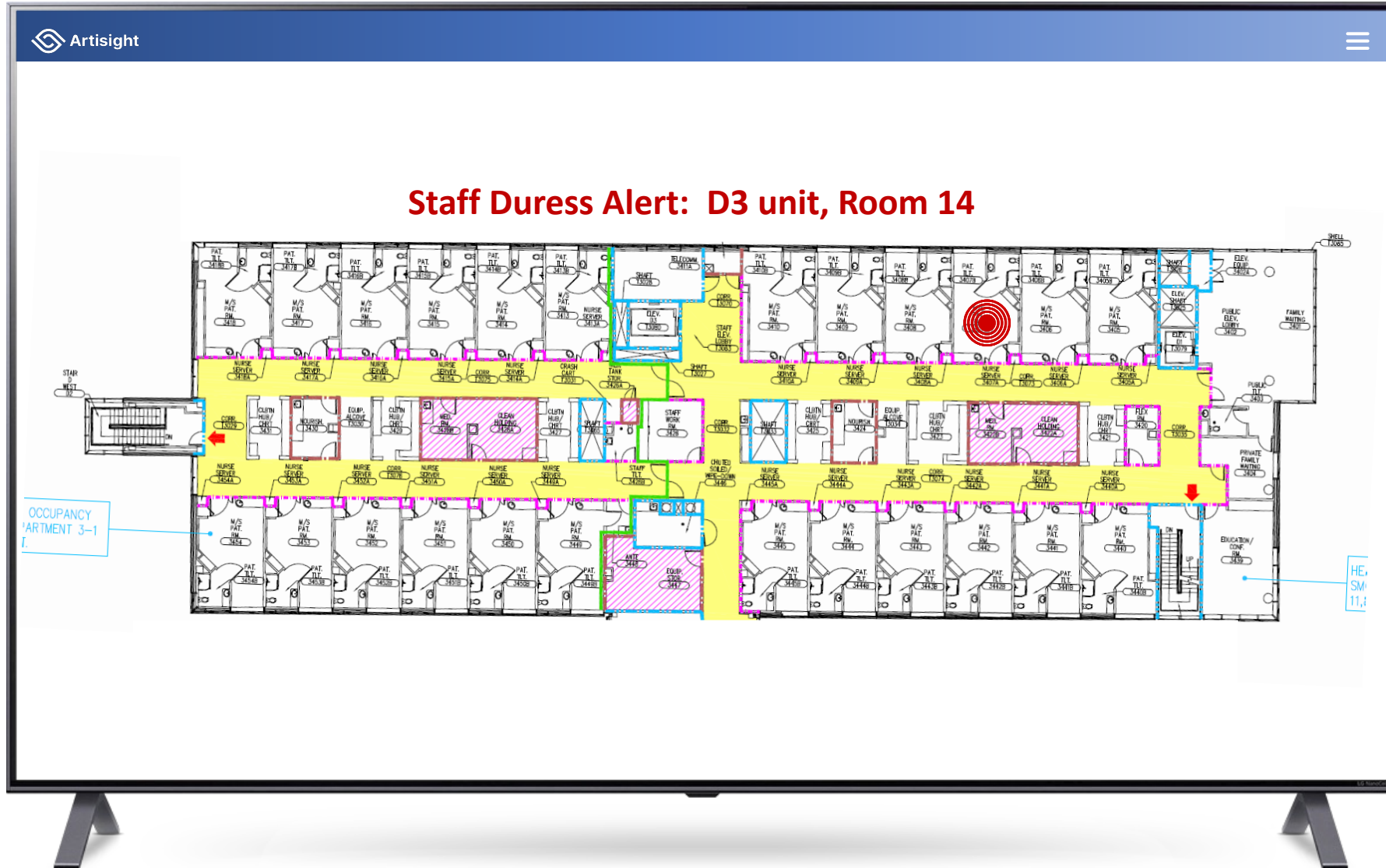
Line Removal Prevention



Handwashing Leapfrog Requirements



Staff Duress



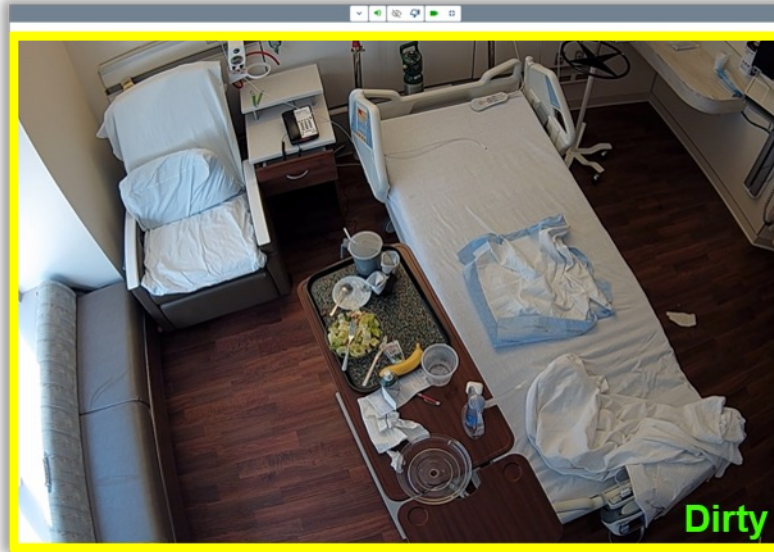
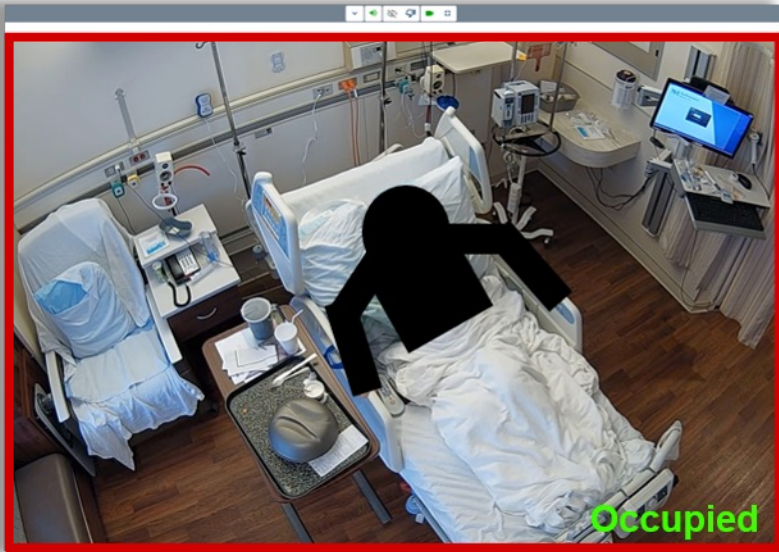
Inventory Management



Anomaly Detection



Capacity Orchestration



Operational & Clinical Decision Support

Article

Health system-scale language models are all-purpose prediction engines

<https://doi.org/10.1038/s41586-023-06160-y>

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 Check for updates

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 Artisight Co-founder

Physicians make critical time-constrained decisions every day. Clinical predictive models can help physicians and administrators make decisions by forecasting clinical and operational events. Existing structured data-based clinical predictive models have limited use in everyday practice owing to complexity in data processing, as well as model development and deployment^{1–3}. Here we show that unstructured clinical notes from the electronic health record can enable the training of clinical language models, which can be used as all-purpose clinical predictive engines with low-resistance development and deployment. Our approach leverages recent advances in natural language processing^{4,5} to train a large language model for medical language (NYUTron) and subsequently fine-tune it across a wide range of clinical and operational predictive tasks. We evaluated our approach within our health system for five such tasks: 30-day all-cause readmission prediction, in-hospital mortality prediction, comorbidity index prediction, length of stay prediction, and insurance denial prediction. We show that NYUTron has an area under the curve (AUC) of 78.7–94.9%, with an improvement of 5.36–14.7% in the AUC compared with traditional models. We additionally demonstrate the benefits of pretraining with clinical text,

Operational Decision Support

The screenshot displays a dashboard interface for 'Operational Decision Support'. On the left, a sidebar contains navigation icons and a list of dashboards under 'My dashboards' and 'Shared dashboards'. The main area shows 'Dashboard 16' with a table of patient data. Each row includes patient name, room number, time until discharge, barrier type, and action icons.

Name	Room	Time until discharge	Barrier	Actions
Kevin Smith	1924	2 hours	MRI Read	[Video] [Home] [Share] [More]
Tim Anderson	3424	2.5 hours	Transportation	[Video] [Home] [Share] [More]
Jeff Rogers	2343	3.1 hours	None	[Video] [Home] [Share] [More]
Samantha Fey	3240	3.2 hours	None	[Video] [Home] [Share] [More]
Karl Cavanaugh	2344	3.7 hours	Home oxygen	[Video] [Home] [Share] [More]
Bert Webster	3424	4 hours	None	[Video] [Home] [Share] [More]
Marshall Daniel	3240	4.5 hours	None	[Video] [Home] [Share] [More]
Carl Bishop	1924	5.1 hours	Transportation	[Video] [Home] [Share] [More]
Daniel Jarvis	3426	5.2 hours	MRI Read	[Video] [Home] [Share] [More]
Perry Jensen	1922	5.7 hours	Home oxygen	[Video] [Home] [Share] [More]

Clinical Decision Support

The image shows a monitor displaying a 3x3 grid of nine clinical decision support cards. Each card consists of a patient photograph, a text box with a clinical prediction, and a control panel with icons for volume, mute, and chat. The cards are as follows:

- Top Left:** A man in a hospital bed. Prediction: **Can leave today once MRI is read**.
- Top Middle:** A woman sleeping in a hospital bed. Prediction: **Readmission >30% due to SSI**.
- Top Right:** A doctor and nurse talking to a patient. Prediction: **Qualifies for Medicaid support**.
- Middle Left:** A woman sleeping in a hospital bed. Prediction: **Will need ICU in 18 hours**.
- Middle Middle:** A boy in a wheelchair. Prediction: **Will need transportation home**.
- Middle Right:** An elderly woman in a hospital bed. Prediction: **Developing delirium, +4 days LOS**.
- Bottom Left:** A man in a hospital bed being examined by a nurse. Prediction: **Expected discharge in 36 hours**.
- Bottom Middle:** A woman in a hospital bed with a teddy bear. Prediction: **Needs follow-up appointment**.
- Bottom Right:** A man in a hospital bed with medical equipment. Prediction: **Will need home oxygen support**.

Deployment Strategy



Virtual Staff + AI Co-pilot for Patients at Home
(Level 3 to Level 5)

Bedside Staff + Virtual Staff + Ai Co-pilot
(Level 3 to Level 5)

Bedside Staff + Virtual Staff
(Level 2)

Bedside Staff with On-Unit Patient Monitoring
(Level 1)

Traditional Care Team Models
(Level 0)

Hospital at Home

Clinic@Home Hello, Ted Clouds 74.4°F 02:10 PM Wed, Jul 05, 2023

Home Medications Events Library Messages Health Status

Healthscore (Last 90 Days)
52 Good

My Vitals:	64
My Medication Adherence:	62
My Device Data:	37
My Learning:	44

Next Medication
02:30 PM Wed, Jul 05, 2023

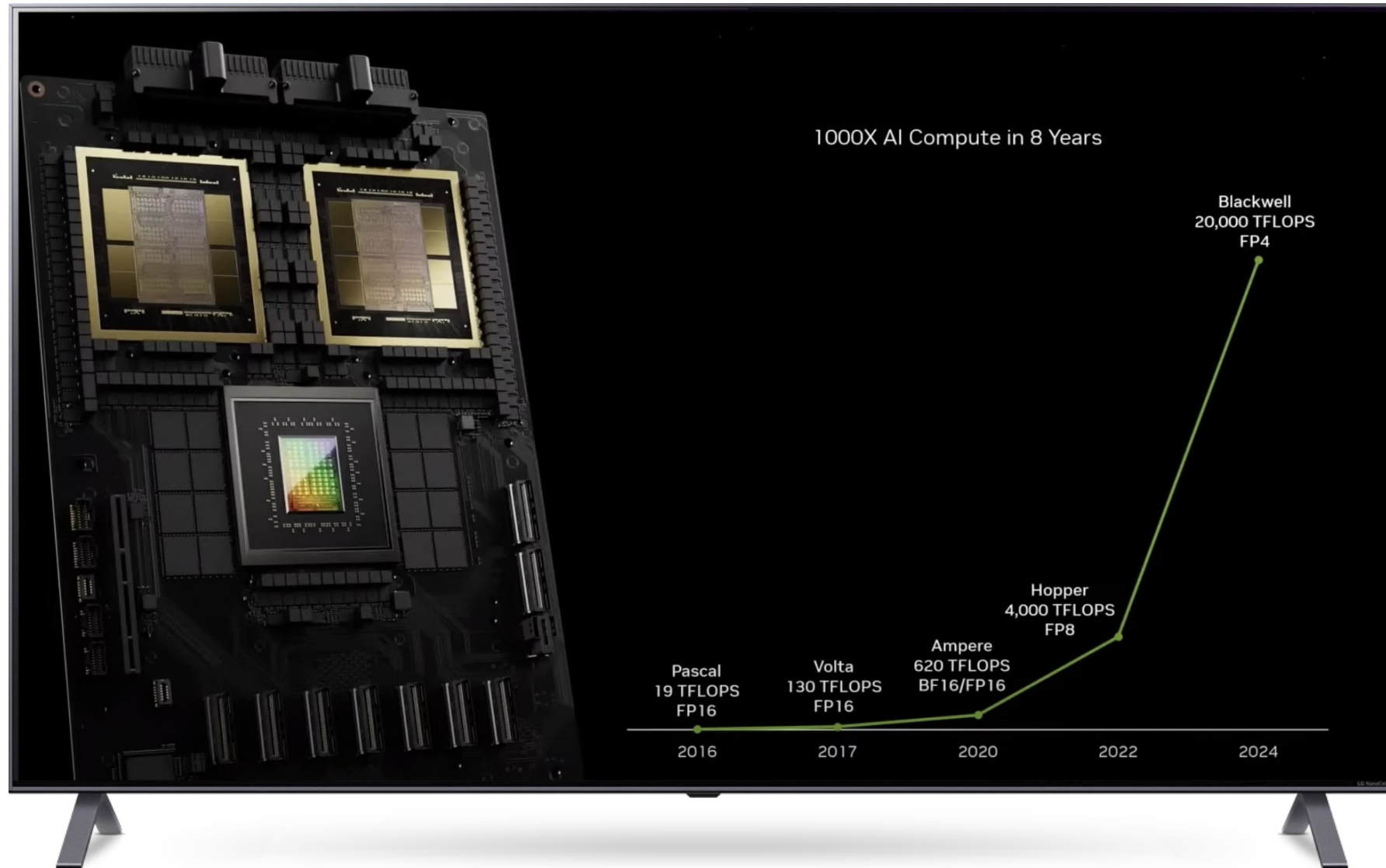
Next Event
Video Consultation
11:00 AM Thu, Jul 06, 2023

Messages
You have 1 new message

Latest Video

- Essential Nutrients: What are the 6 ESSENTIAL NUTRIENTS?
- Nutrition and Older Adults
- The role of nutrition in ment...
- Medication Dispensing: Dose Refilling Guide - Twice ...

Where Do We Go From Here?





THANK YOU

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