Deloitte. | **Google** Cloud

CLINICAL COMPASS

Clinical Compass is a **cutting-edge Generative AI (GenAI) solution** designed specifically for health care providers. It leverages the Google Cloud tech stack to distill clinical records into succinct, easily digestible patient summaries.
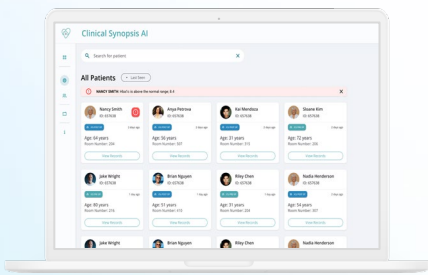
 Accuracy

 Data transformation

 Grounding

 Customizability

 Context windows

 Searchability

Trustworthy GenAI solutions **pose challenges on several dimensions.**

Our solution integrates clinical workflows, providing a longitudinal patient view across EHRs, with minimal hallucination
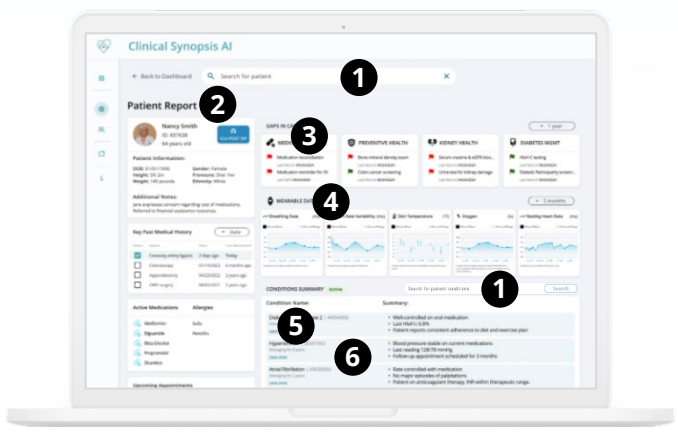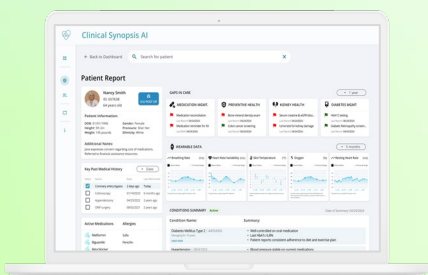
Clinician making rounds

As the clinician makes their rounds in the hospital, they have an **active census of admitted patients**, which can be organized by their room number, status, or when they were last seen.

Clinician understands patient's health status

The clinician can either find their patient through search or the patient census. They are then taken to an in-depth patient record providing them with **key information about the patient's health.**

1 Easy patient search
Using natural language directly search across patients in their panel and within an individual patient's record

2 Patient longitudinal profile
Provides information across patient's EHRs to personalize their interaction, spanning demographics, medications, allergies, and visits

3 Gaps in care
Surfacing key priorities and actions for clinicians to prioritize

4 Wearable data
Enriching the clinical record with patient-generated data from devices like Fitbit

5 Minimal hallucination condition summary
GenAI-enabled summary of 1M+ token-size patient current conditions, with the time they have been managing the condition and a picture of its status for the patient

6 Information transparency and grounding
Provides the physician with the health context that informed the summary, to trust but verify

Users

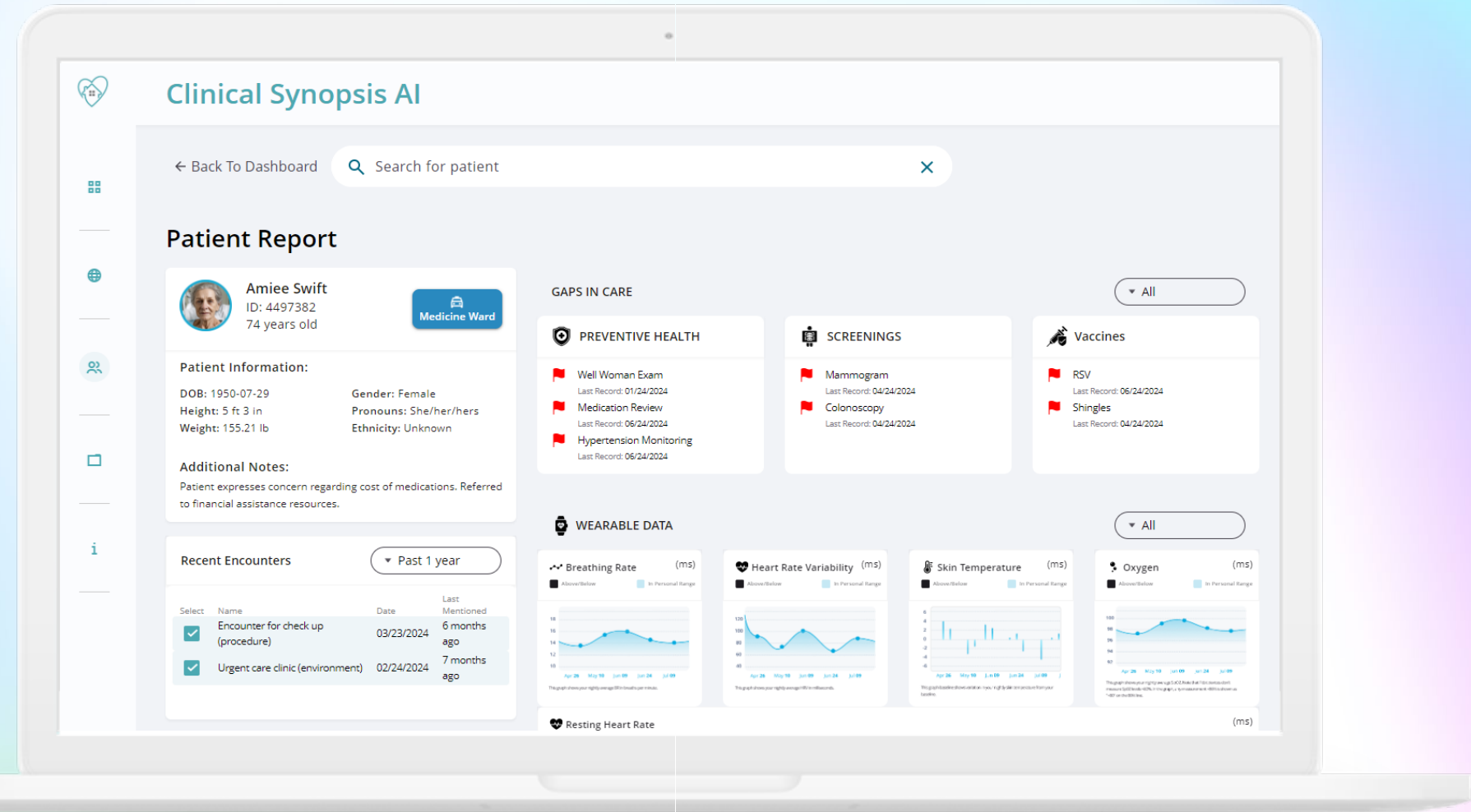Frontline clinician with lots of encounters

- PCPs
- ER docs
- Urgent care
- Specialists

Potential Benefits

- By automating the process of data extraction and summarization, the AI reduces pre-charting time by eliminating multiple steps for providers
- The system is designed to improve the accuracy of clinical documentation and reduce errors by cross-referencing information from multiple sources
- The tool captures conditions not documented in ICD-10

Operationalized clinical data features

- Knowledge surfacing
- Indexing and search
- Workflow integration
- Summarization

Clinical Synopsis AI

← Back To Dashboard   🔍 Search for patient   ✕

Patient Report

Amiee Swift
ID: 4497382
74 years old
🚑 Medicine Ward

Patient Information:
DOB: 1950-07-29   Gender: Female
Height: 5 ft 3 in   Pronouns: She/her/hers
Weight: 155.21 lb   Ethnicity: Unknown

Additional Notes:
Patient expresses concern regarding cost of medications. Referred to financial assistance resources.

GAPS IN CARE

PREVENTIVE HEALTH
🚩 Well Woman Exam — Last Record: 01/24/2024
🚩 Medication Review — Last Record: 06/24/2024
🚩 Hypertension Monitoring — Last Record: 06/24/2024

SCREENINGS
🚩 Mammogram — Last Record: 06/24/2024
🚩 Colonoscopy — Last Record: 04/24/2024

Vaccines
🚩 RSV — Last Record: 06/24/2024
🚩 Shingles — Last Record: 04/24/2024

Recent Encounters   ▾ Past 1 year

Select	Name	Date	Last Mentioned
☑	Encounter for check up (procedure)	03/23/2024	6 months ago
☑	Urgent care clinic (environment)	02/24/2024	7 months ago

WEARABLE DATA   ▾ All

Breathing Rate (ms)
Heart Rate Variability (ms)
Skin Temperature (ms)
Oxygen (ms)

Resting Heart Rate (ms)

WHY DELOITTE AND GOOGLE CLOUD

Our alliance relationship with Google Cloud leverages Deloitte's industry experience and consulting capabilities with Google Cloud's advanced AI and machine learning technologies, providing health care organizations with innovative, secure, and scalable GenAI solutions. Our alliance has a proven track record of successful implementations in the health care sector, such as empowering life-saving cancer research through AI/ML platforms and transforming data platforms for better scalability and agility.

START THE CONVERSATION

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