Agentic AI in Health Care

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PROBLEM TRYING TO SOLVE

Next-Gen Care Management:

• Monitoring and recording vital signs like weight and blood pressure can be difficult to manage and are not always visible to the health care provider.

Agentic Coordination of Care:

• Many patients with cardiovascular issues not only see a cardiologist but also have routine visits to their PCP and occasional visits to other specialists such as renal or urology care. Too often these visits address patient concerns far too long after they arise. This is due to delays in scheduling caused by the need to understand insurance coverage, time-consuming phone tags, and the necessity to call around to find which doctors have availability.

Medication Adherence:

• Keeping medication prescriptions filled and coordinating prescription orders with the health care provider sometimes leads to adherence gaps.

OUTCOME/GOALS/IMPACT TO PATIENT

Improve Patient Wellness through Monitoring and Trending Analysis:

• Agentic nurse for automated monitoring and tracking of patient conditions with the ability to connect virtually to the care provider when abnormalities are suspected.

Assistance with Appointment Scheduling and Medication Refills

• Healthcare assistant to coordinate appointments among health care providers, assist with transportation needs and assist with medication management and prescription refills.
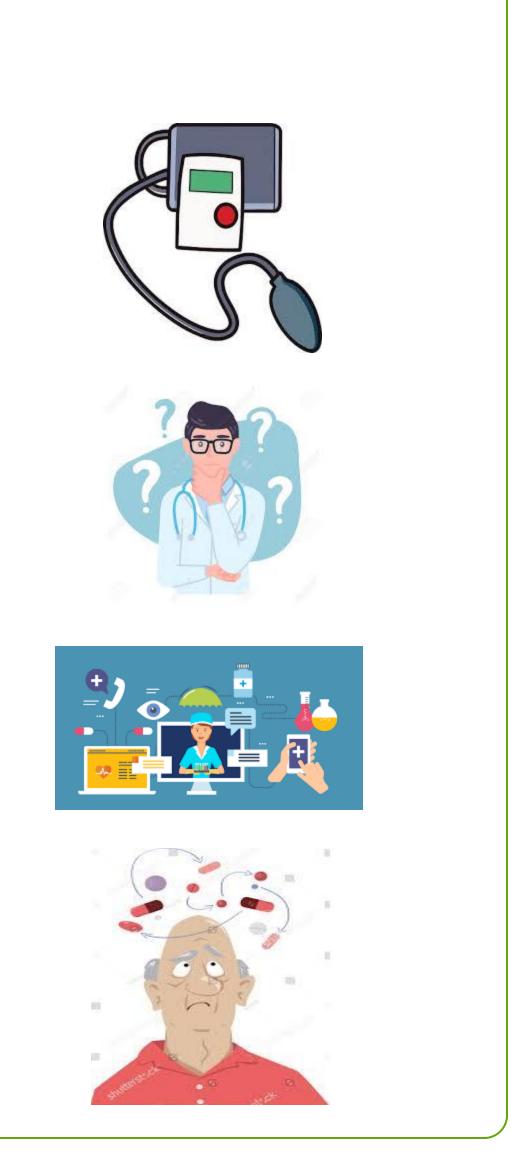
JOURNEY TO GET THERE/PLANNED JOURNEY

• Implementation of agentic nurses that monitor all aspects of patient care from home.
• Use IoT agents to capture home monitoring events.
• Configure AI agents to integrate virtual care with health care provider workflows.
• Integrate agentic health care assistant agents with the EMR system to assist with scheduling appointments.

DIRECT IMPACT TO PATIENT/FAMILIES

• **Improved Health Outcomes:**

• Families can benefit from earlier and more accurate diagnoses of medical conditions in their loved ones, leading to better treatment outcomes and potentially longer, healthier lives.

• **Enhanced Care for Chronic Conditions:**

• Agentic AI can help manage the processes of care of chronic diseases more effectively through continuous monitoring and personalized treatment plans, reducing the burden on family members who often act as caregivers.

• **Reduced Caregiver Stress:**

• With agentic AI handling routine monitoring and integrating with EMR workflows, caregivers can experience less stress and have more time to focus on other responsibilities or enjoy quality time outside of work hours.

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