

IS HEALTHCARE READY FOR PATIENT 2.0 PATIENT EXPERIENCE IN THE DIGITAL HEALTH SYSTEM

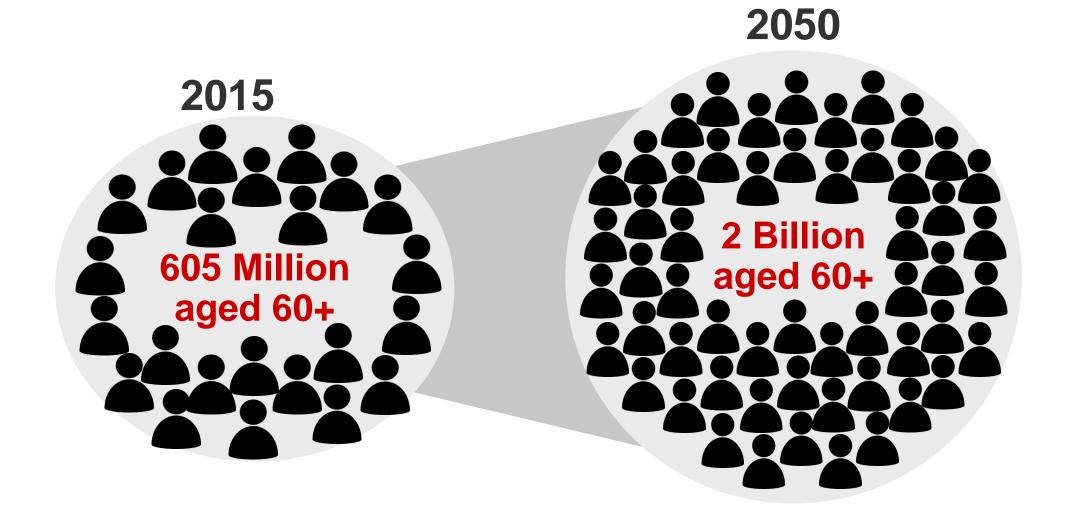
Dave O'Shaughnessy @daithios EMEA Healthcare Practice Leader

ed agreement or Avaya Policy



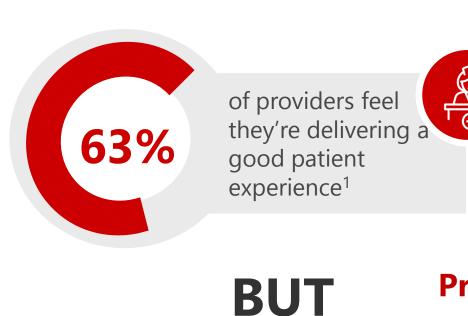


TREND 1: HIGHER LIFE EXPECTANCY PUTS DEMANDS ON PATIENT CARE

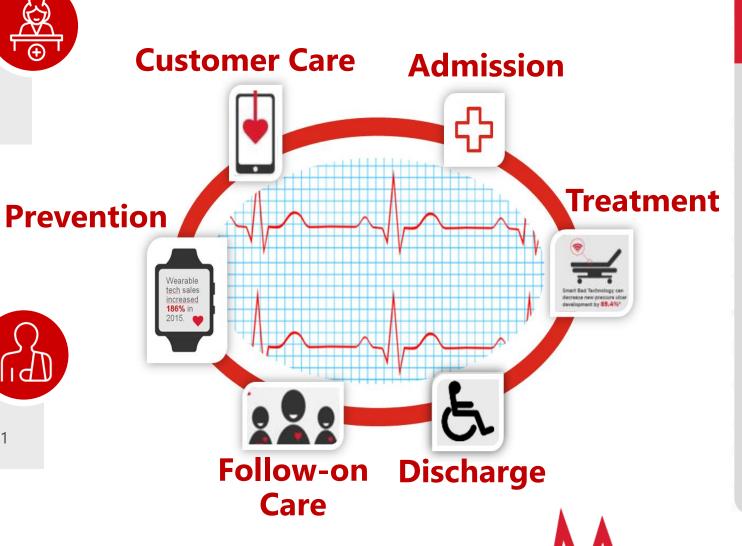




TREND 2: PATIENT EXPERIENCE IS ESSENTIAL



of patients feel providers are delivering a good patient experience¹



Consumer companies are transforming customer expectations, and healthcare organizations need to keep up:





transportation food & beverage





retail

finance

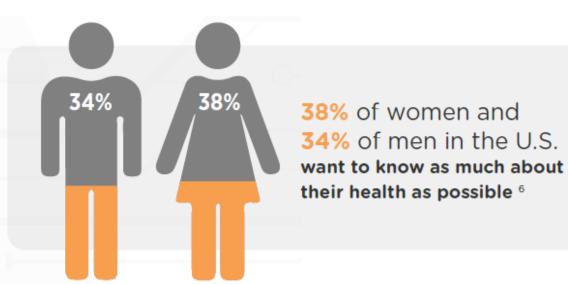


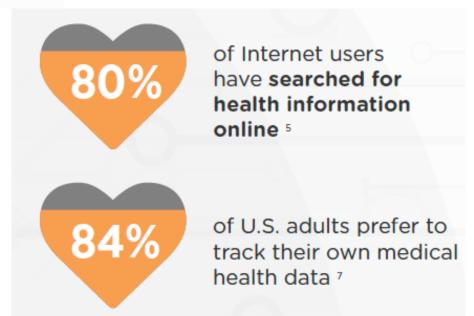
hospitality

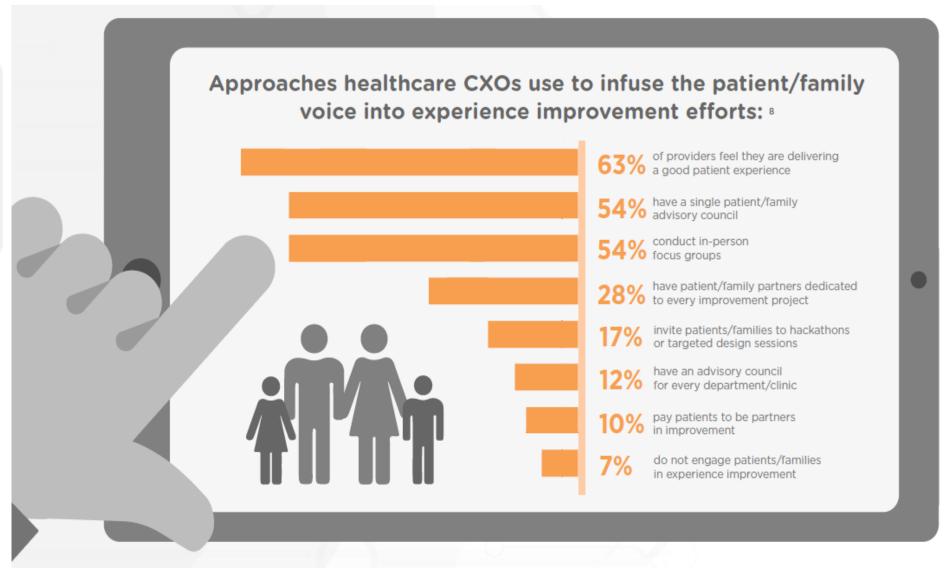
The Current State of the Patient Experience, Prophet and GE Healthcare Camden Group, March 2016

40%

TREND 3: PATIENTS ARE MORE INFORMED AND INVOLVED





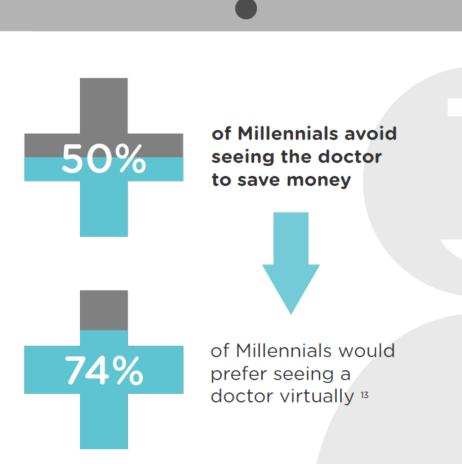




Pew Internet & American Life Project, July 2016
Wearable Technology U.S. 2015, Mintel
The Society for Participatory Medicine and Biotricity Inc., 2016
The Rise of the Healthcare Chief Experience Ocer: 2016 Research Report, Vocera



TREND 4: HEALTHCARE MOVES INTO THE HOME



say virtual of consumers visits lower costs 1

of doctors ...

Virtual video consultations in the U.S. will grow to **5.4 million** consultations in 2020³





A \$54 MILLION **HOSPITAL WITHOUT BEDS**

A virtual care center launched in 2015, Mercy Hospital, houses zero patients and is home to a variety of telemedicine programs that allow Mercy to care for patients remotely round-the-clock.

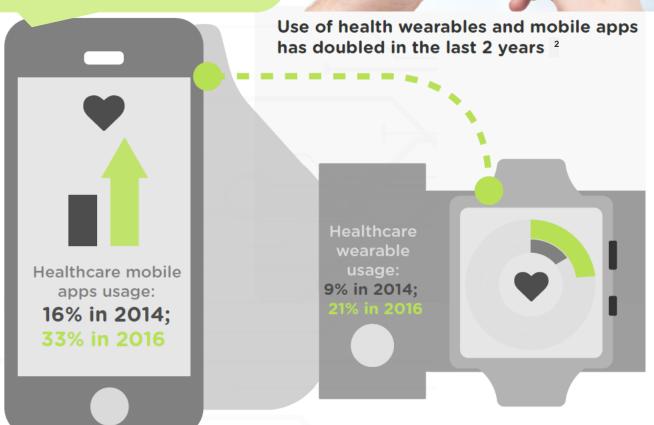


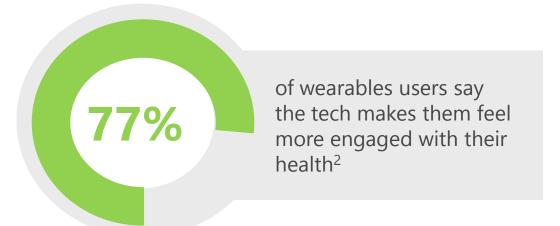
Accenture 2016 Consumer Survey on Patient Engagement Becker's Hospital Review, 2016 Doctors' Virtual Consults With Patients to Double by 2020, IHS, August 2015

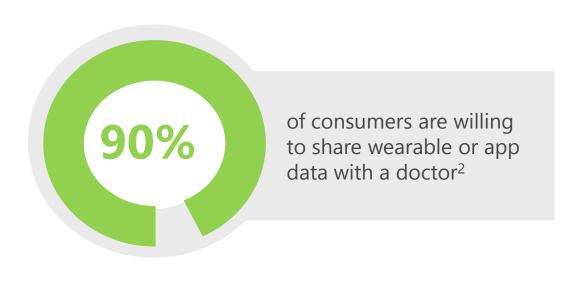
TREND 5: MOBILE AND WEARABLE DEVICES DOMINATE

59% of all health-insured patients and 70% of Millennials would choose a primary care physician who offers a Patient App over one who does not.









- 1. 2016 Connected Patient Report, Salesforce
- 2. Accenture 2016 Consumer Survey on Patient Engagement



PATIENT EXPERIENCE IS IMPORTANT BECAUSE...



More patients, living longer...

with higher service expectations...

who are more informed and involved in their care...

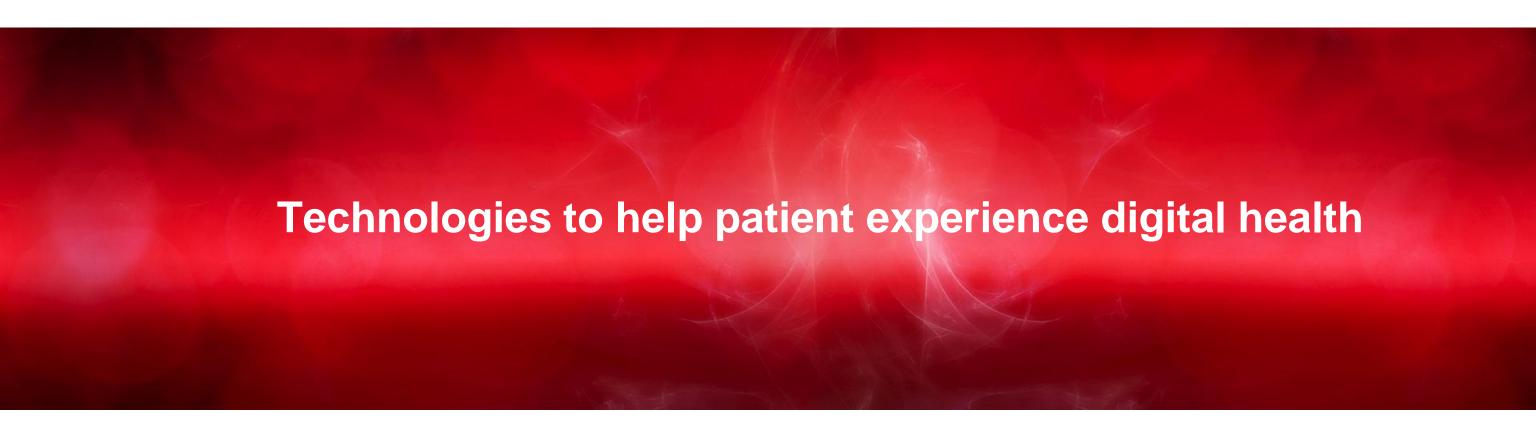
with help from mobile and wearable technologies...

often from comfort of own homes!











CHALLENGES IN DELIVERING THE RIGHT PATIENT EXPERIENCE



Increasingly advanced patient expectations



Poor, inconsistent patient communication



Time consuming, disjointed, patient journey



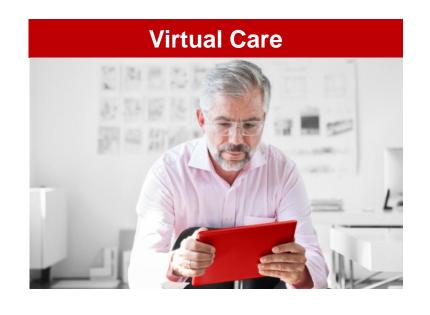
Inaccessible, non real-time patient information



Technological and digital advancements moving faster than adoption



PATIENT EXPERIENCE TODAY

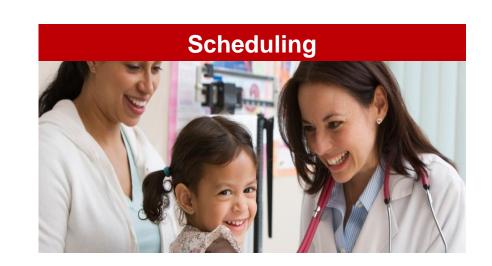


Measurable?

Patient as a Client?

Seamless Journey?

Integrated?







Multi-channel?







1

TECHNOLOGY CAN HELP YOU... PROVIDE ANYTIME, ANYWHERE, PATIENT ACCESS







Faster Patient Care



Integrated, Seamless Care Journey

Higher Patient Sat



TECHNOLOGY CAN HELP YOU... AUTOMATE TIME CONSUMING PROCESSES AND ACTIVITIES



Automate...

communications, notifications, reminders, conversations, workflows, data and information



Patients, Carers, Family

- Appointment Reminder
- Patient Notification
- Patient Care Monitoring / Follow-Up
- **▶** Chronic Disease Management
- Proactive Wellness
- ► Flu Shot Notification
- ▶ Lab Result Alert
- ▶ Prescription Fill/Refill
- Satisfaction Survey
- **▶** Fund Raising

























Healthcare Personnel



- Admission Process
- Discharge Process
- Physician Notification
- Shift Staffing
- Care Consult
- **▶** Emergency Staffing
- Event Notification
- **▶** Room Environmental
- **▶** Absence Reporting
- ► Clean Room Request
- ▶ Room Clean Complete

Proactive Patient Care



Improved Operations

Optimal Resource Utilization



EXAMPLE: AUTOMATED APPOINTMENT REMINDER AVAYA Automated integration to Patient Database (EHR)OCEANA

Scheduler

Appointment Scheduler (Doctor / Clinician) books appointment in scheduling system (e.g. EHR / Digital Patient Record) as normal

Avaya Patient Appointment Reminder App

The Appointment Scheduler can reschedule or rebook a preferred time slot or it can be automated if desired.

Avaya Patient Appointment
Reminder service automatically
downloads schedules and
automates the communication
to patients based on preference

Scheduling App / EHR

| Second | Second

Patient can now confirm, reschedule, or cancel appointment as preferred



}

The Appointment Scheduling system (EHR) is automatically updated by Avaya's Patient Appointment Reminder solution – all automated.



EXAMPLE: CHATBOT PATIENT SERVICES Automate rudimentary tasks for patients

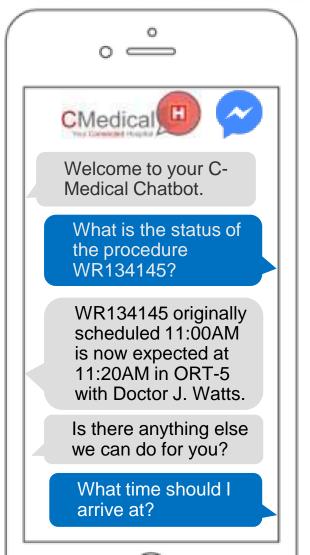
AVAYA oceana™

- Patient wishes to confirm status of service with her Hospital
- Her Hospital has a Social Media Messenger Chatbot service
- Patient can 'Chat' with Hospital
- Automated AI response to her queries
- Hand-off to Live Agent if needed
- Centrally controlled under Hospital's Contact Centre service

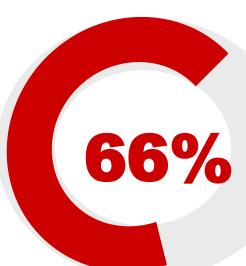
Operation Confirmation







TECHNOLOGY CAN HELP YOU **Improve Clinical Resource Communications**



of reported medical errors identified ineffective communication as root cause²

Ineffective communication has remained among

root causes of sentinel events³

Estimated More than 25%

of hospital readmissions could be avoided with better communication among healthcare teams and between providers and patients¹

over **25%**

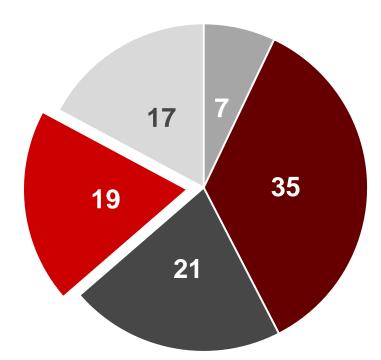
of malpractice cases involving surgery were caused by a lack of thorough communication in some aspect of patient care.4



² Joint Commission Root Causes and Percentages for Sentinel Events (All Categories). January 1995-December 2005
3. Joint Commission Sentinel Event Data (Root Causes by Event Type). 2004-2012. http://www.healthcarebusinesstech.com/communication-patient-harm/ How communication problems put patients, Populations, Pop , 2015: Malpractice Risks in Communication Failures

INEFFICIENT CLINICAL RESOURCE UTILISATION

Poor Clinical Communications and impacts



- Assessment/Vitals
- Documentation
- Care Coodination
- Patient Care Activities
- Medication Administration

National study shows nurses spend as little as

19%

of their day engaged in direct patient care activities¹

And walk over

10 kilometers

A day

Estimated effects of overworked nursing:

+7% in dying per patient above ratio 2,000 lives a year for overworked nurses Increased falls

Increased infection

of healthcare spending wasted in 2010, with more than half attributable to unnecessary and inefficiently-delivered services²



- Hendrich A, Chow M, Skierczynski B, Lu Z. "A 36 Hospital Time and Motion Stady: How Do Medical-Surgical Nurses Spend Their Time Permanente Journal, Summer 12:3 (2008). http://www.ncbi.nlm.nih.gov/pmc/ar cles/PMC3037121/]
 Linda H. Aiken, University of Pennsylvania, New York Times 2013



EXAMPLE: UNIFYING CLINICAL COMMUNICATIONS Device Fatigue causing communication problems









Pagers



Badges



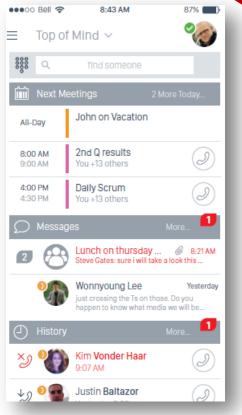
Overhead



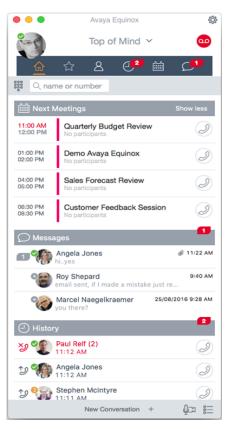
Voice & Video Communications

Multimedia Instant Messaging

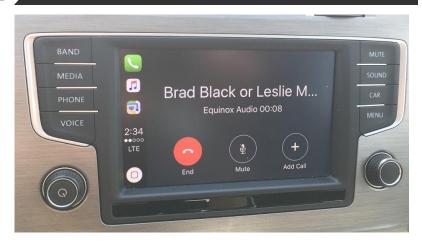








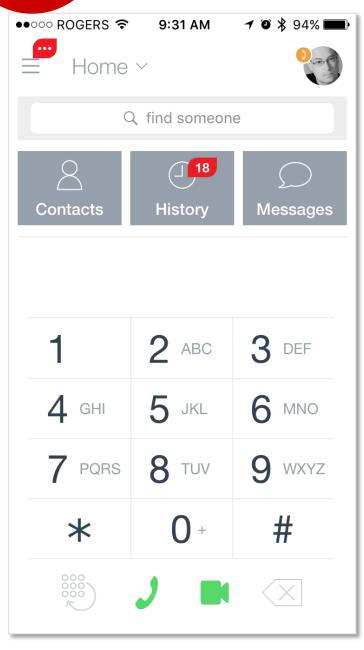
- **Team Directory Search**
- Patient Information and Status
- Caregiver To Do and Assignment



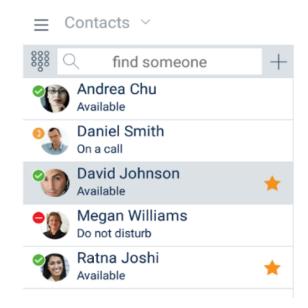


A Single Experience- integrated to the healthcare processes...

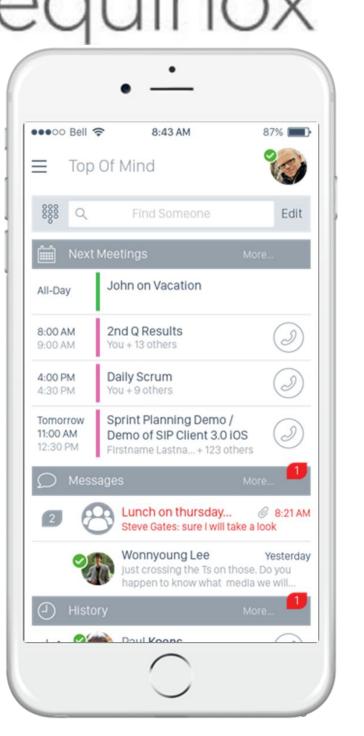
COMPLETE ENTERPRISE COMMUNICATION Providing full feature-set for Healthcare Staff



- ► Avaya Equinox[™] Mobile, Desktop, & Web Browser Enterprise Communications Client
- ✓ Enterprise grade HF Voice & HD Video
- ✓ Enterprise Directory & Contact Search
- ✓ Multimedia Messaging (Voice, Video, IM, Photo)
- ✓ Call-Logs, Visual Voicemail, Meetings schedule
- ✓ A Single Experience in a Simple Application.



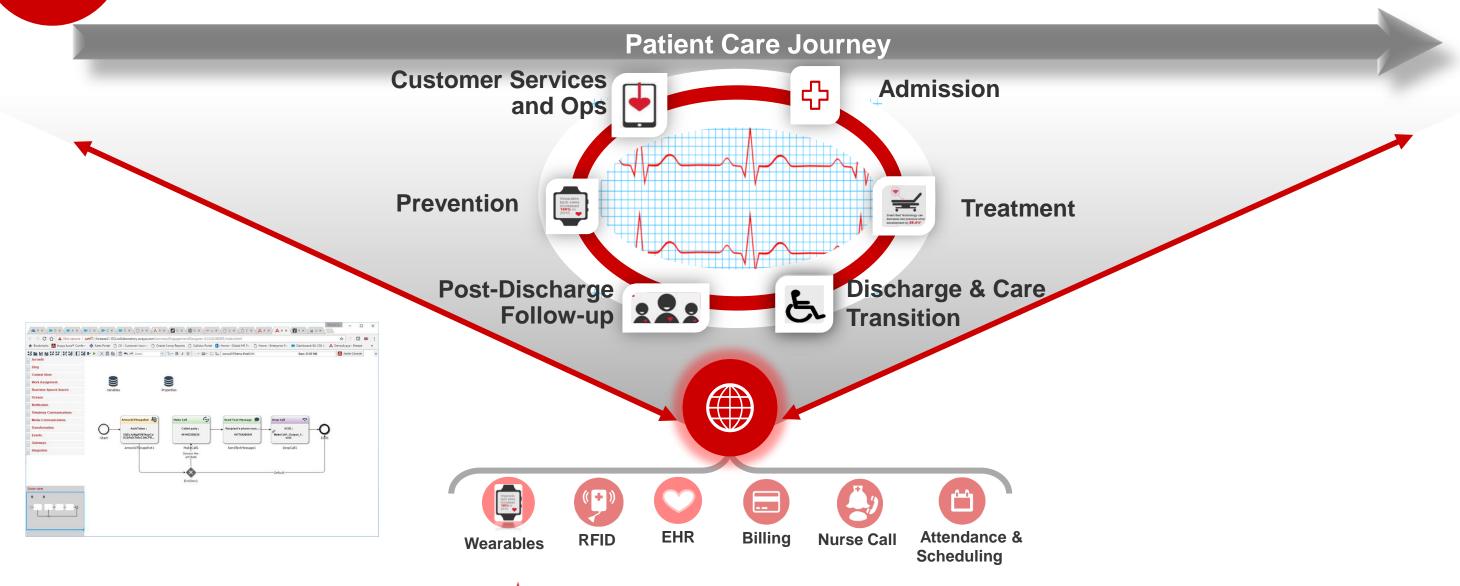






3

TECHNOLOGY CAN HELP YOU... USE REAL-TIME INFORMATION TO MAKE BETTER DECISIONS



Relevant, Real-time Information



Better, Faster Decision Making

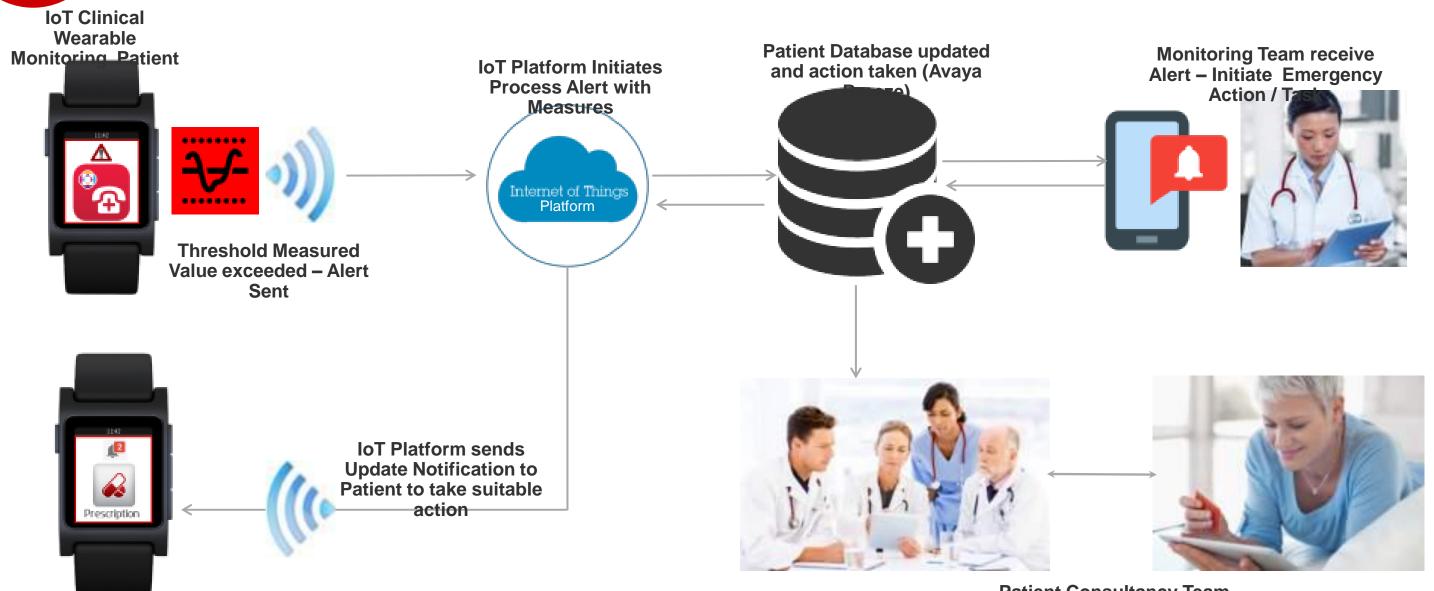
Better Patient Outcomes

3

Patient takes

appropriate action

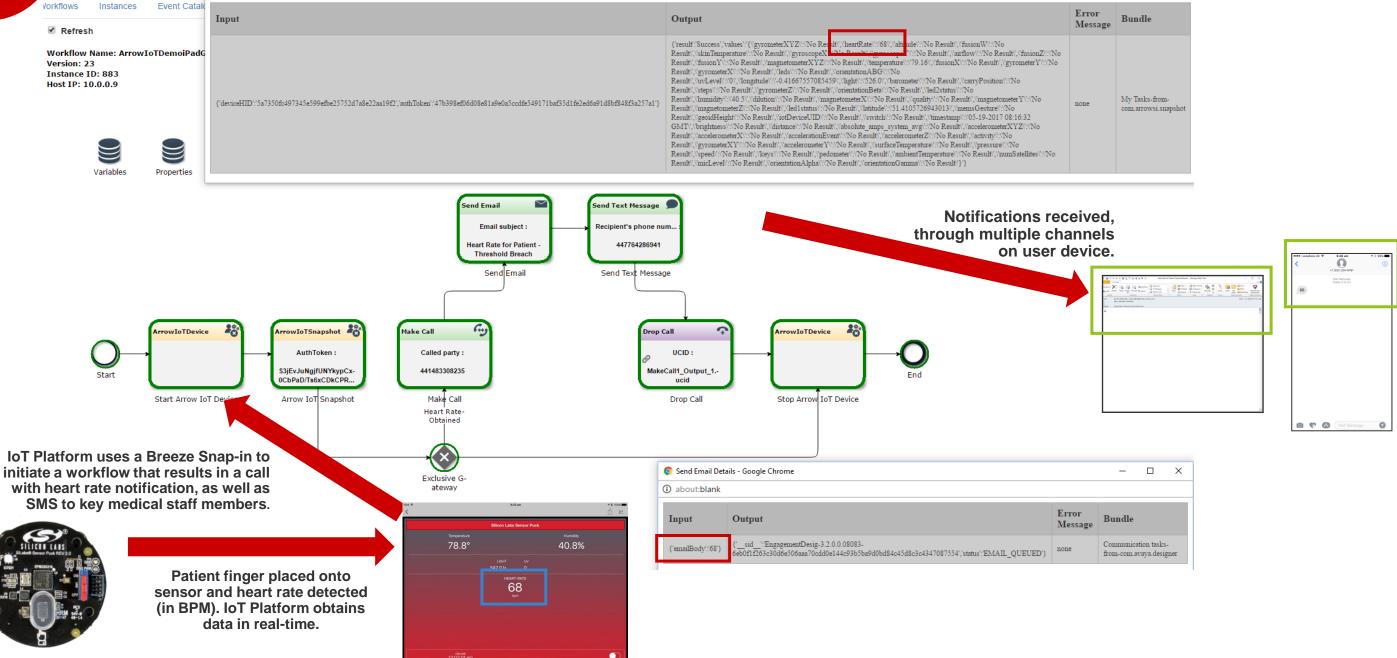
EXAMPLE IOT NOTIFICATION FOR HEALTHCARE CLINICAL-WEARABLE MONITORING & ALERTING



Patient Consultancy Team subsequently invite Patient to Video Consultation (Avaya Dynamic Team Formation)

IOT-TRIGGERED CLINICAL NOTIFICATIONS

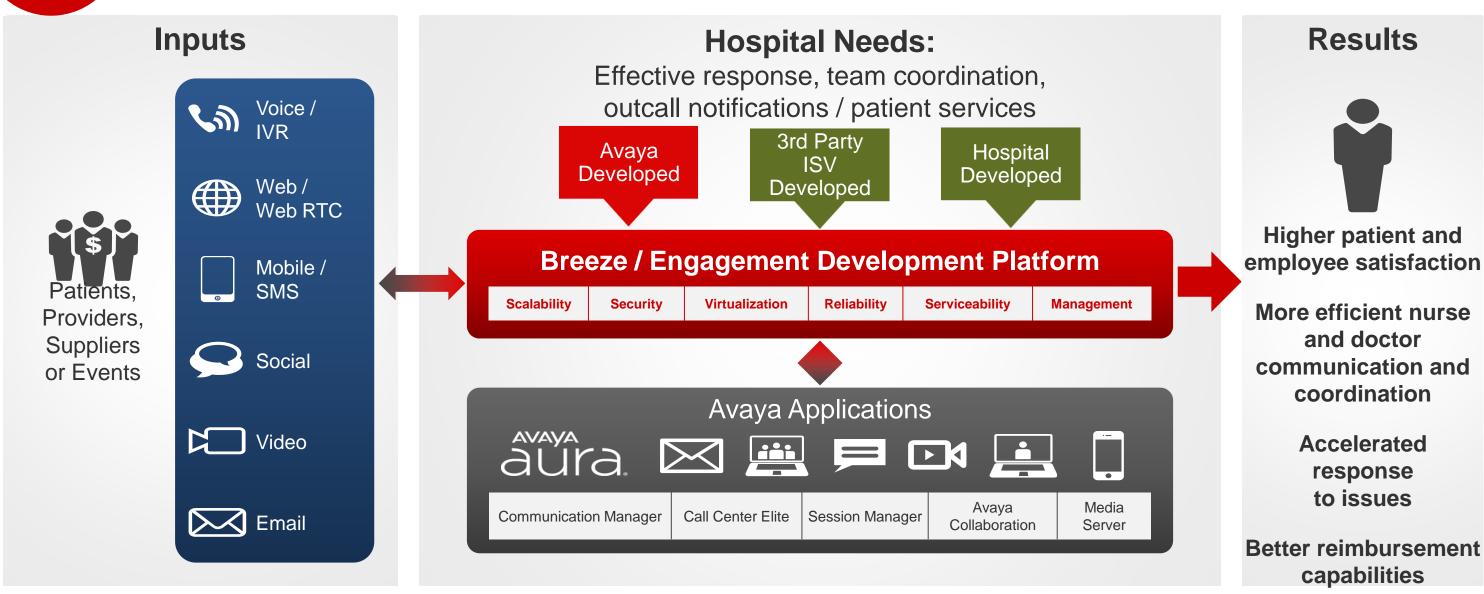






AVAYA HEALTHCARE INNOVATION FRAMEWORK Accelerating Healthcare Service Innovation









AVAYA HEALTHCARE INNOVATION FRAMEWORK Accelerating Healthcare Service Innovation



- Patient authenticates on their dedicated Healthcare Smart App
- Agent & Patient can now conduct:
 - Live Message Chat Session
 - Live 1-to-1 Video Session
 - Co-Browsing Websites
 - Document-sharing
 - Live-interact in-App with Patient
- Agent can also identify & record the Patient's location & session



Hospital Agent hosting a real-time session with the Patient through a Web Browser



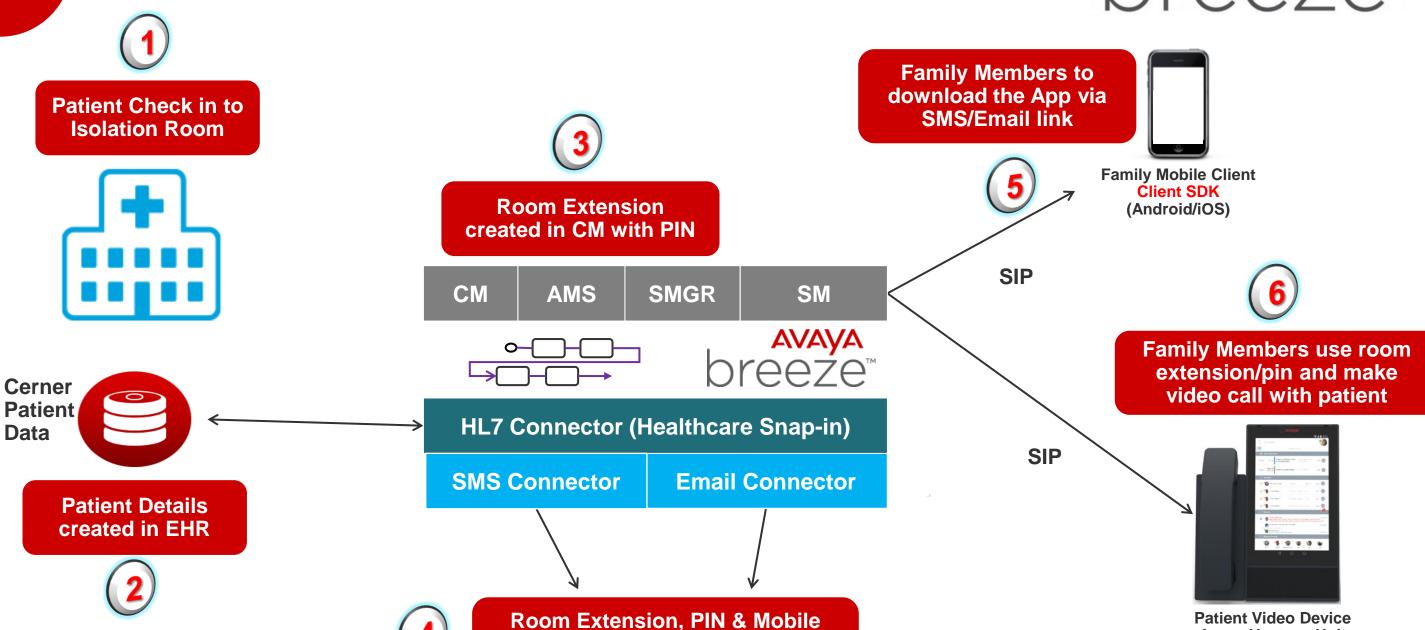


Patient connecting to Health Service on dedicated Smart App



4

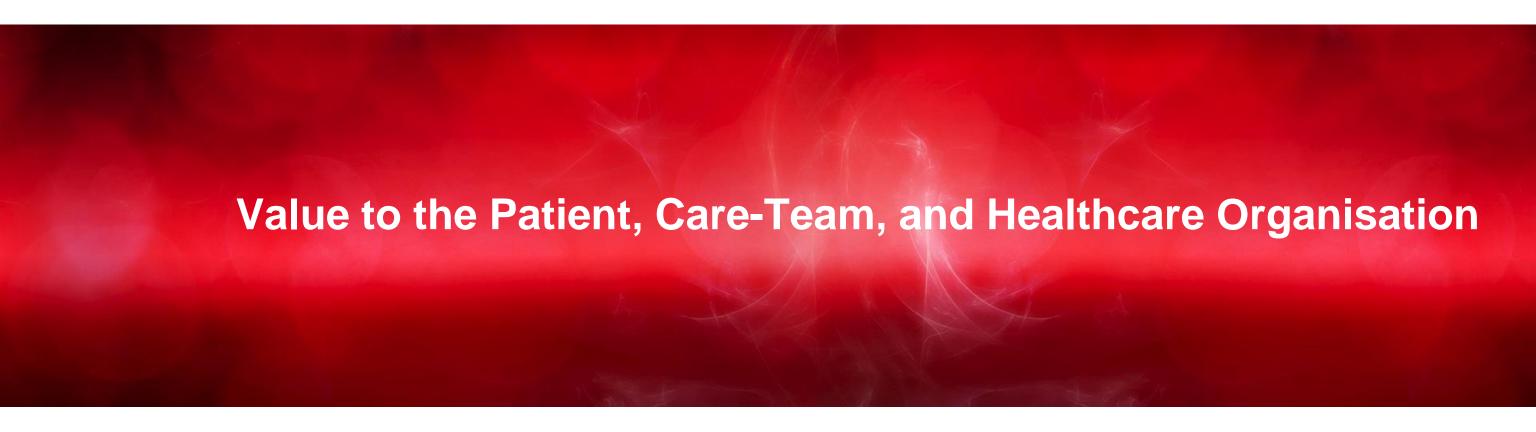
EXAMPLE: CERNER INTEGRATION FOR VIDEO AVAYA Enable Patient-to-family secure video service



App download details sent to Family Members via SMS/Email

Avaya Vantage Unit







VALUE TO THE PATIENT



Service and care aligned to patient expectations



Proactive, consistent patient communication



Seamless, integrated, patient journey



Accessible, real-time patient information



Technological and digital advancements adopted at speed and with ease



BUSINESS VALUE Of Managing the Patient Experience

FOR THE PATIENT

- Improved Patient Communication
- Higher Patient engagement and Satisfaction
- Better, Faster Patient Care And Outcomes

FOR THE CARE TEAM

- Improved, accelerated Patient Care
- Improved Job Satisfaction and Efficiency

FOR THE HEALTH SYSTEM

- Improved Patient Advocacy
- Higher productivity despite higher demand
- Secure eHealth strategies





