# 8 - 12 JULY 2023 | SYDNEY, AUSTRALIA



@twitterhandle

#### Beyond the EMR

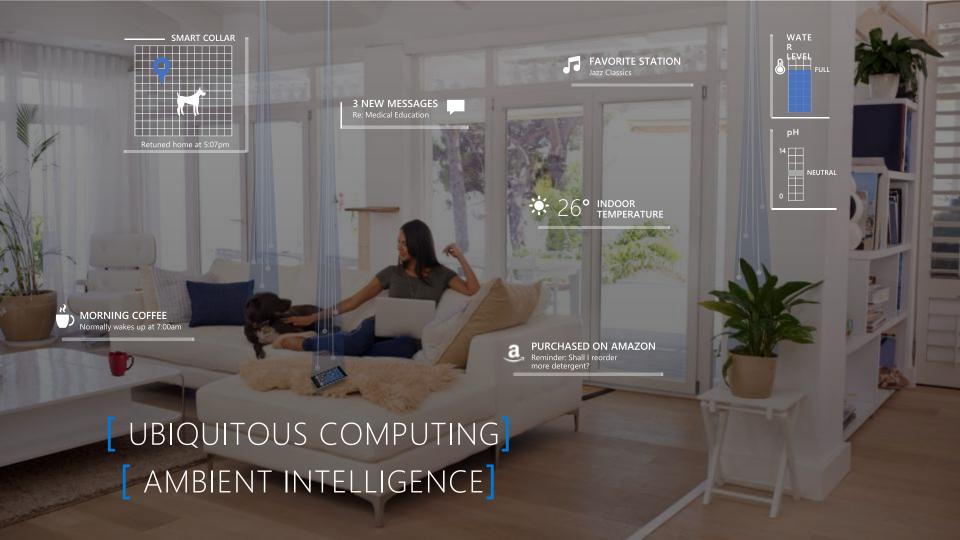
How voice recognition and Al turn Promise into Productivity

Dr. Simon Kos

Chief Medical Officer

Microsoft ANZ















#### Meanwhile,

care teams struggle to easily access patient information, collaborate across disciplines and care organisations, and coordinate internal workflows



#### Challenges extend across the care continuum



#### Patient/consumer experience

"Why is it so hard to navigate the health system?"

- I want to be able to access my information and manage it myself
- I want health to be more like online banking
- I feel like I've disappeared into a digital 'black hole' and I'm not sure that real people are looking out for me

#### **Clinical Experience**

"Why doesn't technology seem to make my job any easier?"

- I want technology to be mobile, support my workflow and help me connect with colleagues
- I'm frustrated by multiple systems and sign-ons
- I'm drowning in data but I don't get useful insights that assist my decision making

#### **Healthcare organisation**

"Where can I get the information I need to make the right decisions?"

- I see many chronic diseases that could have been managed proactively in the community
- I don't have the right real-time data and analysis to identify and manage issues
- I need to implement new models of care, but I'm too busy juggling patient demand, workforce shortages and quality issues
- · I need to manage cyber threats

#### Digitisation is not transformation

It's what you do next that counts...



#### Systems of record

Convert paper records and manual processes into useable digital records with the benefits of legibility, accessibility, availability and additional security.

#### Systems of insight

Aggregate information from multiple sources for a holistic view and insights that reveal past performance, facilitate real-time decision making and predict issues before they arise.





## Our workforce challenge

- GP shortfall of 11,392 (28%) full-time General Practitioners (GPs) by 2030
- Shortage of over than **123,000 nurses** by 2030
- **58%** of clinicians in Australia admit their job leaves them feeling burnout
- **81%** of clinicians said administrative burden with documentation is a contributor to exhaustion/overload feelings





## Clinical voice recognition addresses administrative fatigue



- Voice reduces the burden of repeatable, onerous tasks in the EMR:
  - Simplified, intuitive navigation
  - Streamlined request of investigations and order sets
- Voice increases adoption of the EMR:
  - Voice enabled templates to improve the experience
- Voice is the foundation for "Ambient clinical intelligence"
  - Increasingly interaction within the EMR is voice driven
  - Increases quality 1:1 doctor/patient engagement
  - Removes clicks and typing no back turned to patient







Strategic partnership accelerates the delivery of ambient technologies to reduce clinician burnout by enabling doctors to focus on patients



- Microsoft Azure
- Dynamics 365
- HoloLens

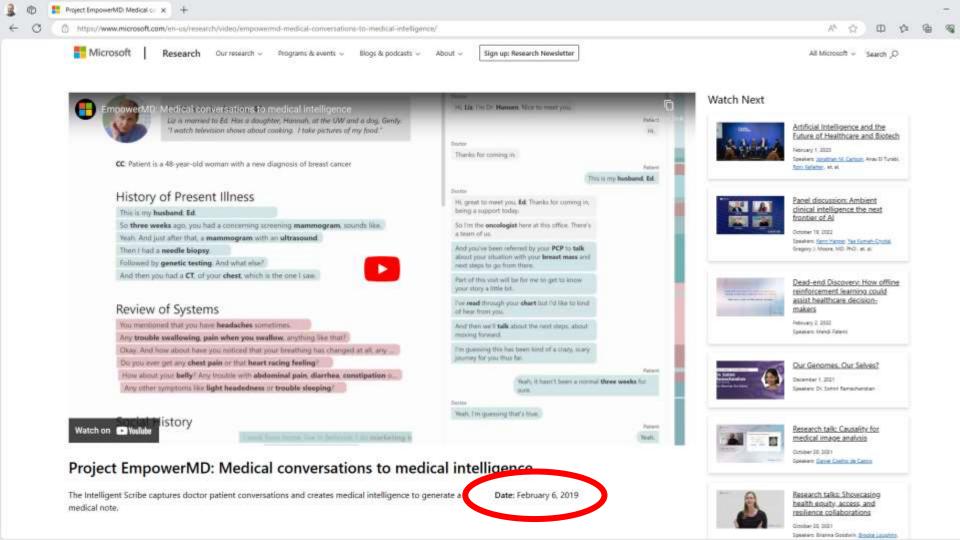
- Microsoft 365
- Microsoft Teams
- Power Platform

World-class Al meets scale, security, and power of MSFT Cloud

## NUANCE

- Conversational Al
- Ambient clinical intelligence
- Speech / TTS

- Natural language understanding
- Dialog
- Biometrics



#### 2020

## Nuance and Microsoft announce the integration of Dragon Ambient experience and Microsoft Teams for virtual telehealth consults

"

Our strategic partnership with Microsoft, which led to this rapid integration of Nuance DAX with Microsoft Teams for telehealth, illustrates the ongoing importance of combining our technologies, domain expertise and market reach to develop advanced cloud-based conversational AI solutions that keep the health of clinicians and patients front and center in healthcare delivery.

-- Diana Nole, executive vice president, and general manager of healthcare, Nuance



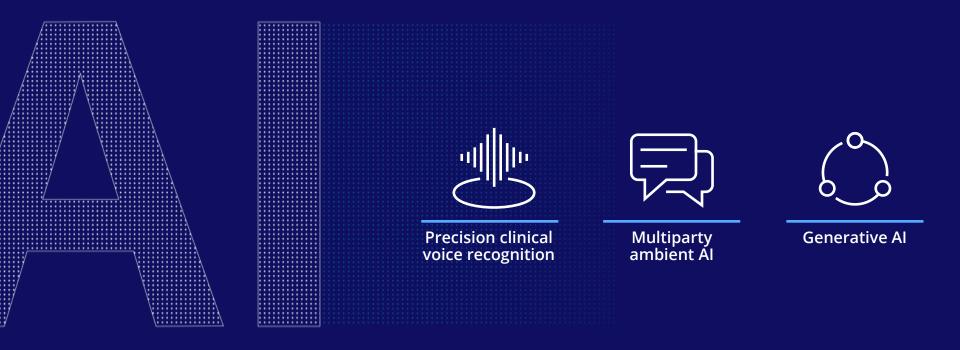




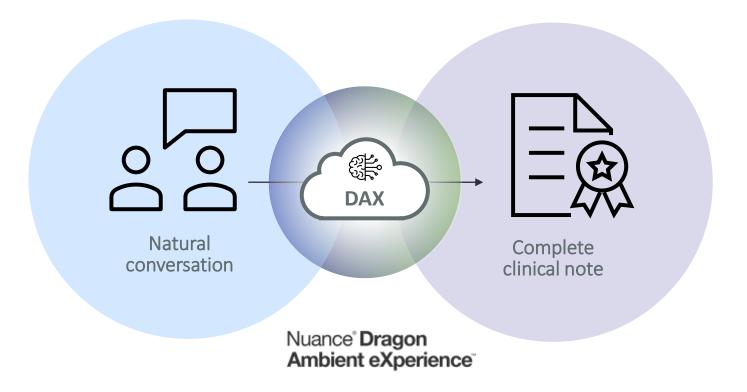


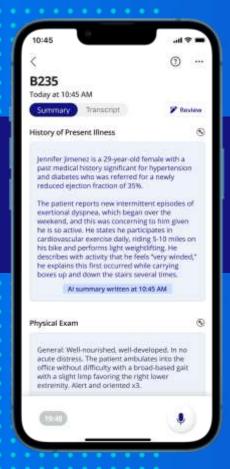


## Bringing complementary capabilities coming together



### Voice recognition + Generative AI = Clinical Documentation





## DAX™ Express



Trained on millions of encounters



Standard format



Integrated with Dragon Medical One



Available in seconds



Scalable

Integrated in the workflow, fully automated clinical documentation that delivers a draft patient note for clinician review, editing, and signature.



#### What is different about the exam room of the future?



Q&A? Thank you!