Nomination: 18796

Reducing the burden of clinical documentation using AI-based speech recognition

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Page: General Information
Name of Organization / Company Sydney Local Health District
Logo No File Uploaded
Web Site Address
Page: Entry Information
Entry Title Reducing the burden of clinical documentation using AI-based speech recognition
Category N01 - N03 - Award for Innovation in Technology > N02. Award for Innovation in Technology Management, Planning & Implementation > Government
Submission Format An Essay of up to 625 Words

Essay

Background:

With 12,000 staff, our District is responsible for the health and wellbeing of more than 740,000 people living within our boundaries, as well as many more from rural and remote parts of NSW and Australia. We also care for more than a million people who come into our District each day to work, study and visit.

Our District is located in the centre and inner west of Sydney and is made up of the Local Government Areas of the City of Sydney (part), Inner West Council, Canterbury-Bankstown (part), Canada Bay, Burwood and Strathfield. It covers a geographic area of approximately 126 square kilometres.

Sydney Local Health District is one of the most densely populated Local Health Districts in NSW and it is experiencing a period of rapid transformation and growth.

By 2036 the population is expected to increase to 819,540.

Solution:

Sydney Local Health District (SLHD) is dedicated to using innovative technology as the foundation of its healthcare services to help realise their vision of 'excellence in health and healthcare for all'.

Determined to further enhance the digital capabilities of its workforce, the district - under the leadership of Angus Ritchie their Chief Medical Information Officer - started using AI-powered, cloud-based clinical speech recognition (Dragon Medical One) for clinical documentation.

Throughout 2023, Dragon Medical One has allowed clinicians to comprehensively dictate their notes, letters and reports directly into the electronic medical record in real-time, using the PowerMic Mobile application on their mobile phones. In addition to releasing clinicians' time and decreasing transcription costs, Dragon Medical One reduced the cognitive burden on clinicians and enhance their work/life balance.

Dragon Medical One is now in use across the district including Neurology, Mental Health, Emergency, Renal and Pathology.

Over the last six months of 2023 (Jul – Dec inclusive), clinicians working across Sydney LHD have released over 560 hours.

For this category please provide

An essay of up to 625 words describing the nominee's innovative achievements in technology since July 1 2021, **OR** a video of up to five (5) minutes in length illustrating the same.

Optional (but highly recommended), a collection of supporting files and web addresses that you may upload to our server to support your entry and provide more background information to the judges.

Do You Have Supporting Files You Would Like to Upload?

No

Do You Have Website URLs you would like to link to

Yes

URL 1

https://slhd.health.nsw.gov.au/ (https://slhd.health.nsw.gov.au/)

URL 2

https://whatsnext.nuance.com/en-au/healthcare-ai-au/innovative-ways-improve-patient-care-gold-coast-health-nuance-dragon-medical-one/ (https://whatsnext.nuance.com/en-au/healthcare-ai-au/innovative-ways-improve-patient-care-gold-coast-health-nuance-dragon-medical-one/)

URL 3

https://whatsnext.nuance.com/en-au/uncategorized-en-au/mackay-base-hospital-uses-ai-to-speed-ed-documentation/ (https://whatsnext.nuance.com/en-au/uncategorized-en-au/mackay-base-hospital-uses-ai-to-speed-ed-documentation/)

URL 4

https://www.nuance.com/en-au/index.html (https://www.nuance.com/en-au/index.html)

URL 5

URL 6

URL 7

URL 8

URL 9

URL 10

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I Agree