



STAN

Supportive Triage
Assistant

Nelson case study



What is STAN?

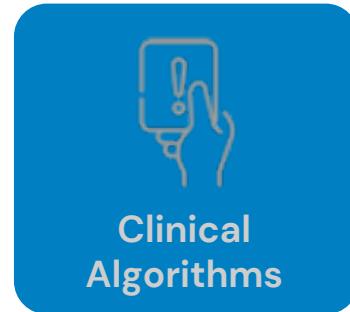
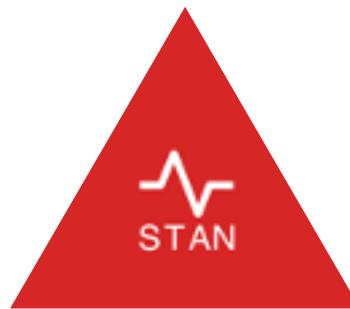
STAN is a Supportive Triage Assistant, that combines the power of Artificial Intelligence (AI) and encoded clinical algorithms to empower the nurse to make better informed and consistent triage decisions



Triage nurse



Artificial
Intelligence



Clinical
Algorithms



STAN offers three key sources of information for nurses

The STAN interface:

- Recommends a triage code (and associated range)
- Offers hospital-specific warnings and/or clinical pathway recommendations
- Reminds the triage nurse of any relevant factors to consider from the ATS
- STAN integrates easily with existing emergency department patient management systems and requires no additional input from nurse at triage
- STAN does not add any additional time to the triage process



STAN has been clinically proven at Nelson ED

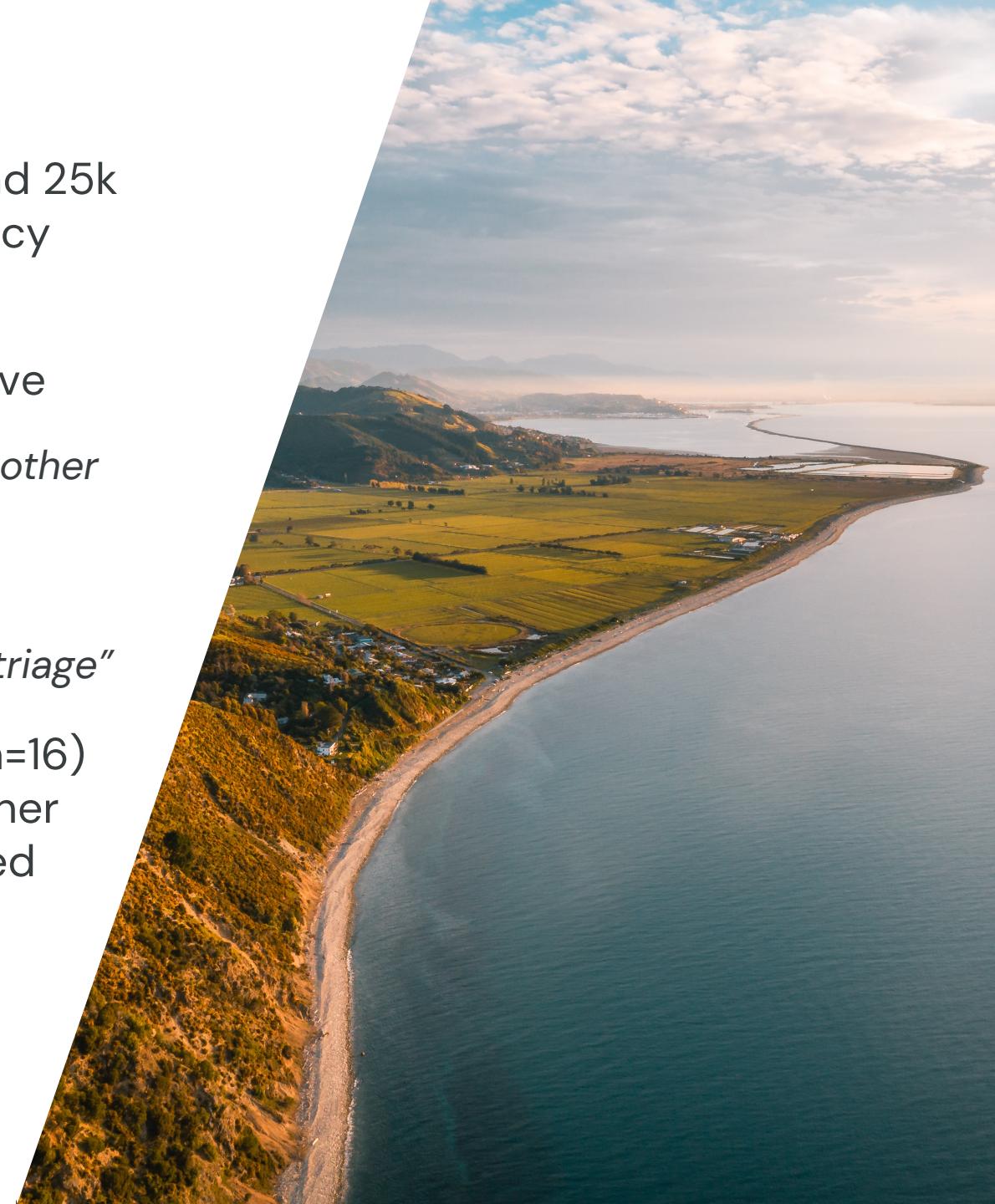
- STAN is clinically proven, having supported around 25k emergency presentations at the Nelson Emergency Department (ED) since April 2020
- Qualitative feedback from nurses was very positive

"I find it to be a great resource when triaging, giving other suggestions for what I may have missed initially"

"It's a good quick tool"

"Overall a great tool that makes me think about my triage"

- We have recently surveyed users at Nelson ED (n=16) with a range of years of triage experience, to further understand how they have interacted and enjoyed using the tool

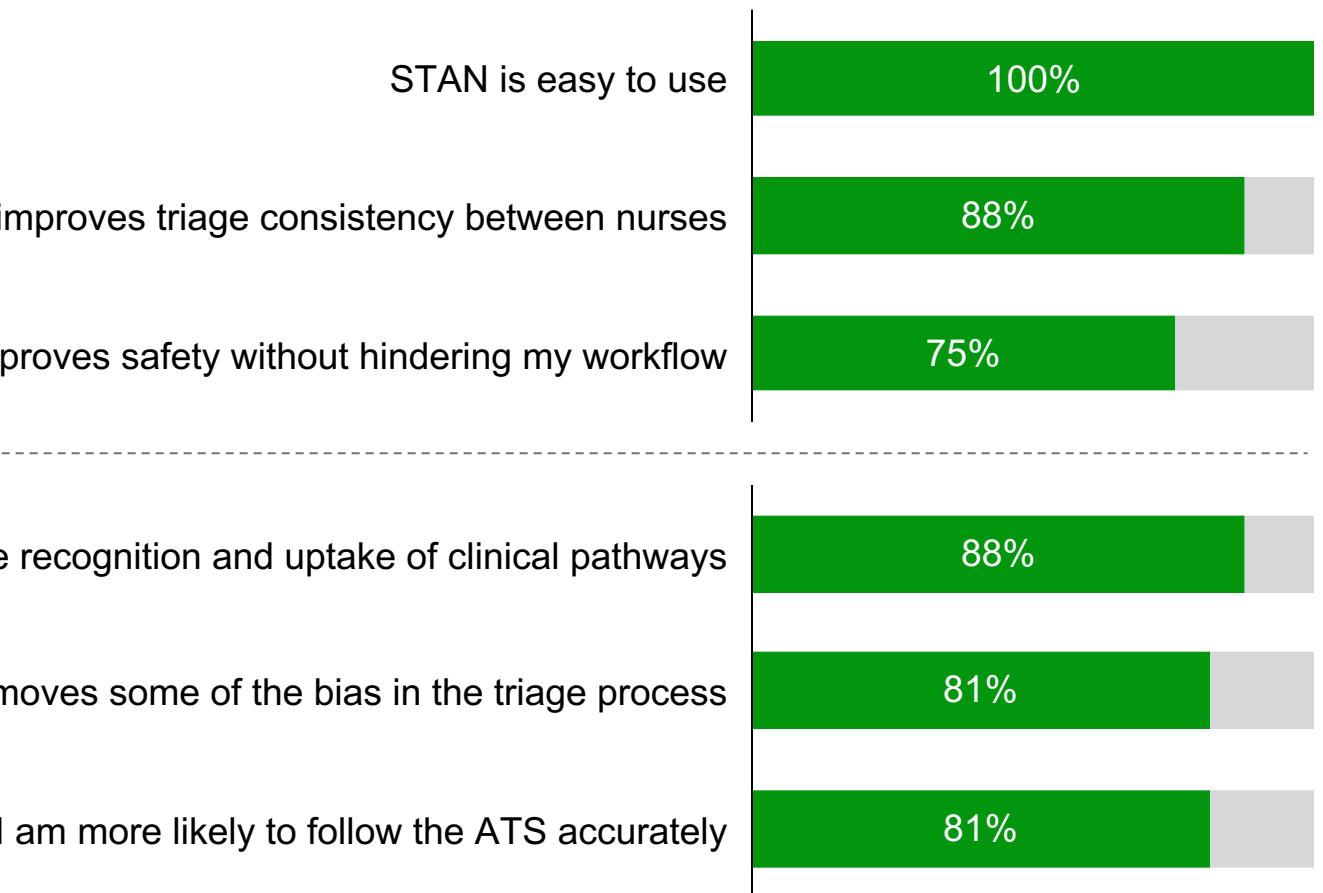


Survey results (1)

**STAN is easy to use,
improves consistency and
does not impact nurse
workflow**

**STAN improves uptake of
clinical pathways,
removes biases and
improves ATS adherence**

Proportion of nurses that agreed with the following statements



Survey results (2)

Proportion of nurses that agreed with the following statements

STAN improves nurses' confidence in triage

STAN helps identify key risk groups within the ED

More confident that junior nurses are triaging appropriately*

100%

STAN gives me more confidence in my triage decisions

81%

With STAN, I feel more confident in redirecting low acuity patients

75%

STAN helps with the identification of potentially septic patients

88%

STAN helps with the appropriate triage of mental health patients

81%

STAN helps pick up symptoms in high-risk patients that I may overlook

69%



Note: * For senior nurses only (n=11)



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