Smart Triage

Enhancing NHS 111 & Primary Care Services



Transformation Partners in Health and Care Health Innovation Kent Surrey Sussex

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Visiba



Powered by Red Robin

What is Smart Triage?



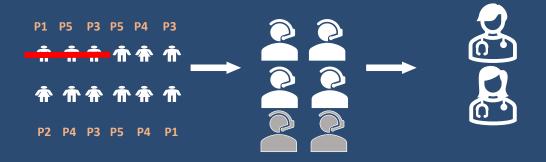
п.	Description of matter	0	Attachments	
	Initial description			
	rash all over my chest and back			
ß	Symptoms	N		
Confirme R	d symptoms	Potential differential diagnosis	\sim	
And Annual		Diagnosis	Probability	
		Pityriasis rosea		
	chy skin	Hives		
		Guttate Psoriasis		
Torso		Coeliac disease		
- Back - Chest - Navel - Breasts - Stomach		Warning! The suggestions are only intended as a puide. It is the healthcare professional's responsibility to examine and diagnose the patient. 🙆 Read more about Red Robin		
Denied symptoms Skin peeling		Triage-values Profession:		
Reddening of the skin		Doctor		
D Pi	ain in the skin	Urgency:		
Contributing factors		6 1 Week		
Denied fa		Visitation form:		
Known allergic rhinitis		Video		

Context

- Access to primary care and urgent care is a major issue
- Visiba approached Health Innovation Kent Surrey Sussex with a solution to this problem using an AI triage model developed and used in Sweden, looking to trial it in primary care in England
- Health Innovation KSS had high levels of interest in this trial, offered through their primary care innovation panel, and brokered a trial with Wealden Ridge Medical Practice
- Wealden Ridge Medical Practice have supported the trial through clinical reviews of the effectiveness of the AI triage and collating staff and patient feedback

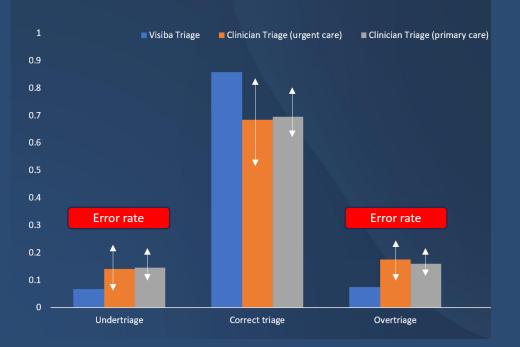
Why use Smart Triage at the front door of 111 & Primary Care

- Call abandonment rate is variable and difficult to manage as well as predict
- Differentiate / stratify inbound patients quicker
- Scaling a telephony-based system has been a pervasive challenge
- Required scale, if even possible, is not affordable



The opportunity Smart Triage offers

- Clinician triage is highly variable in accuracy, ranging from 52-85% when evaluated
- Clinician triage will under-estimate clinical urgency in 14 cases out of 100, and over-estimate clinical urgency in 17 cases out of 100 – (69% accuracy)
- Visiba Triage supports clinicians to half the average rate of under and over-triage



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What Smart Triage has actually delivered



*NHS England Smart Triage Service, 2024 Service Evaluation **Wealden Ridge Primary Care Network, 2024 Service Evaluation

Different types of triage models



Decision Tree Structure

Limited by the data the person provides, unable to assign probabilities or analyse patient narrative

Visiba's medically trained probability-based Al-enabled network

Medical insights team

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Medically trained and continually re-validated to mimic human decision-making

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Black box Al

Issues with explainability of model outcomes

Challenges and Solutions

Challenge	Solution	
Approvals	Governance maturity	
Funding	In-year cost savings, economic analysis, cash unlocking	
Technical issues	Visiba as a clinician-first organisation with Al/technical expertise & London system built on technically mature framework with appetite for ongoing improvement	
23/24 Improving Resilience in Integrated Urgent Care Services	London set out in 23/24 to improve efficiency within 111 services and to automate/semi-automate processes where current interactions were not adding value	

Future Opportunities

- Ongoing test & learn from every clinical contact
- Infinitely scalable and affordable growth (cost goes down as volumes go up)
- Increase direct impact on KPIs as scale increases

Future Opportunities

- System wide front door
- Scale the improved patient safety : streaming and redirection at the front door
- Patient routing at first contact
- Revolutionize the trusted assessor model

Conclusion

Work in progress, but outcomes to date are clearly indicative of a sustainable model:

- 95.5% clinician agreement with AI model (live tracking)
- >50% decrease in acute pathway streaming from front door
- Patient experience ratings are high
- Digital channel shift is inline with other models of care driving channel shift
- Identifying opportunities for scale & establishing the product as a resilience tool

Questions & Answers

Contact us

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