AI Enabled Consultations – Panel Members



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Al enabled consultations

16th March 2022

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Founded in one practice in the NHS in 2014, eConsult is now live in over 3,300 GP practices across the UK

First pilot with 20 practices, covering 130,000 patients. Tested 50 condition specific templates







2014





100+ condition specific, symptom led and admin templates Centralised working model launched across Hurley Group practices





NHS app integration

100,000 registered patients

hurley group

NHS GP Partnership of 11

practices, 4 Urgent Care

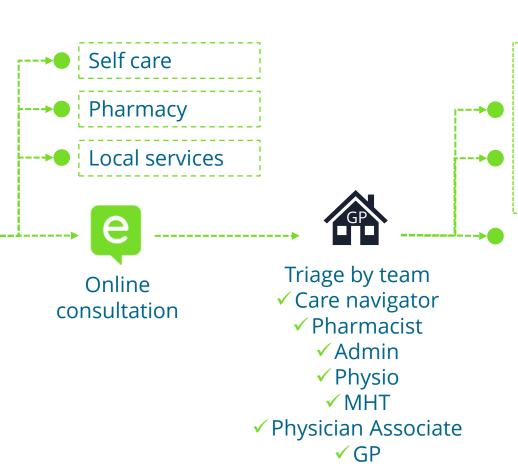
Centres, GP Out of Hours,

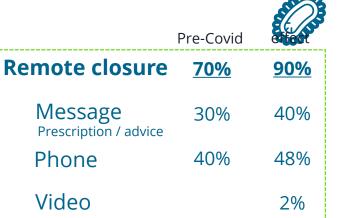


Patient flow through eConsult

1.2m online consultations/month and >22m processed to date







F2F appointment 30% 10%



Patient or

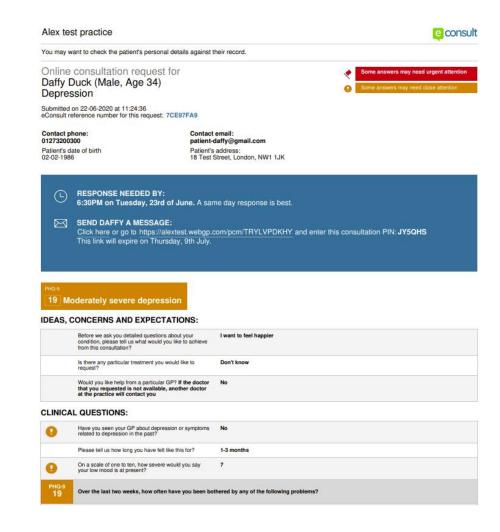
parent/

guardian

Remote management – structured online consultation

Patients complete full and **structured histories**: mix of binary questions, confidence scoring, integrated questionnaires, photo uploads, free-text boxes and multiple choice questions.

- 90% managed remotely
- Improves access, but does not open the flood gates to high volumes of low quality, high risk submissions.
- Safety: red flag questions identify and intercept patients presenting urgent symptoms





Focus on Clinical Safety



11 years experience in onlineconsultation22 million+ eConsults submitted across3,300+ practices



- Unique, dynamic red-flag system to identify and redirect patients with urgent symptoms
- 100,000+ patients red flagged out of practice every month



Synchronous....

Still accounts for most journeys



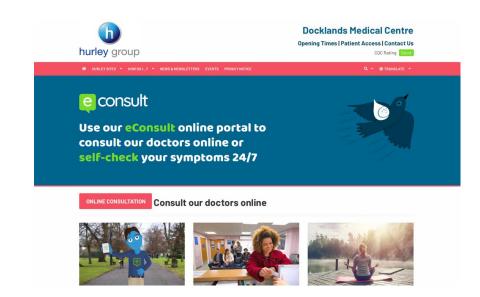
300m per year in GP 20m per year in UEC 120m per year in out-patients



vs. ...asynchronous

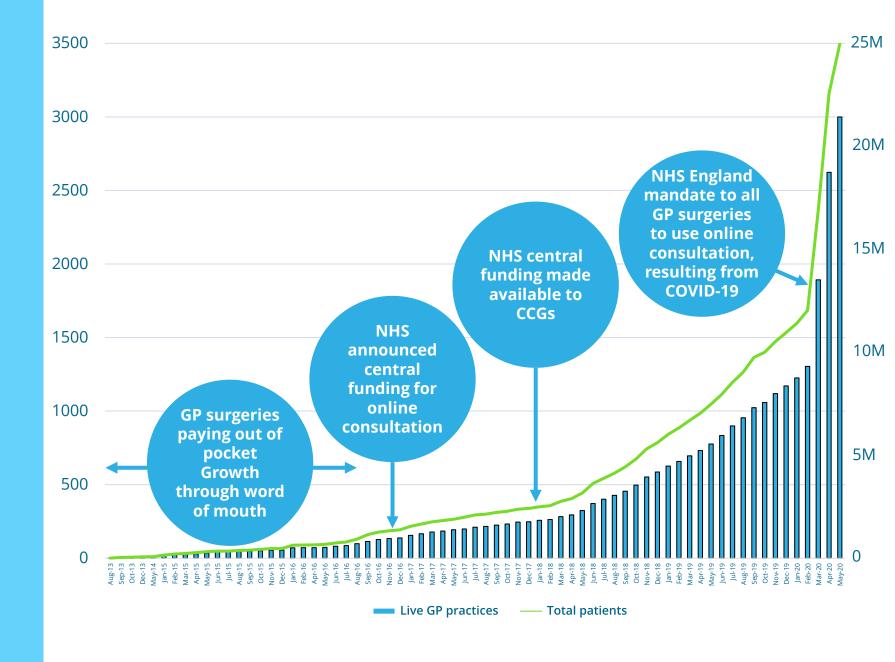
On the rise... and will only grow.....





1.2m per month in our practices That's 10% of the 12m/month The only way is up

The eConsult journey in primary care Today, over 40% of **UK GP surgeries use** eConsult - market leaders in digital triage



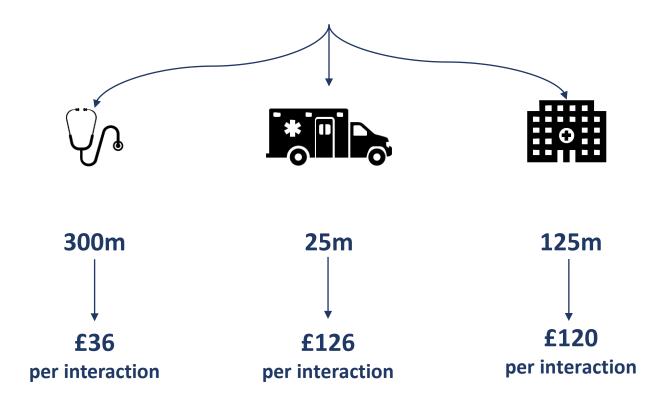
Poor quality and disconnected triage costs the NHS

E3.250n

per annum



450m patient appointments every year



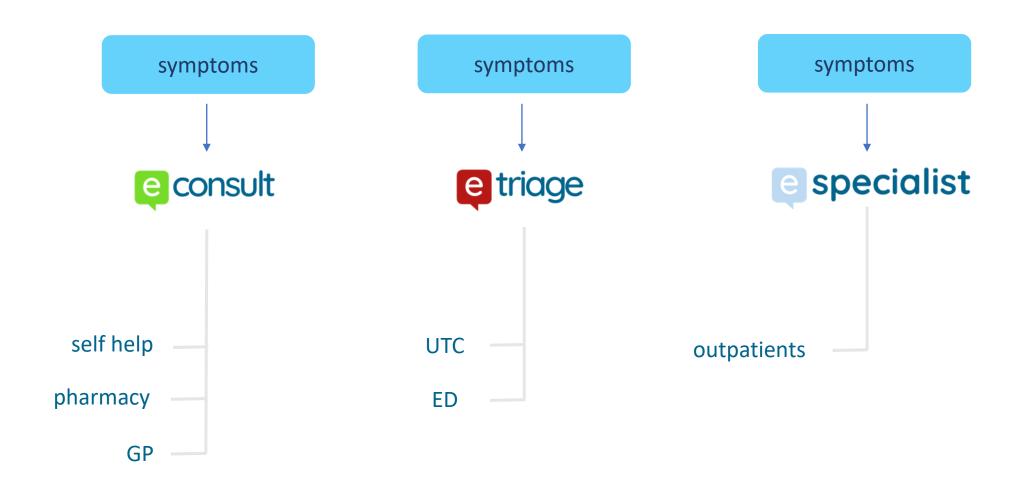




eConsult is the UK's leading clinically led digital triage platform and we are on a mission to reimagine healthcare...

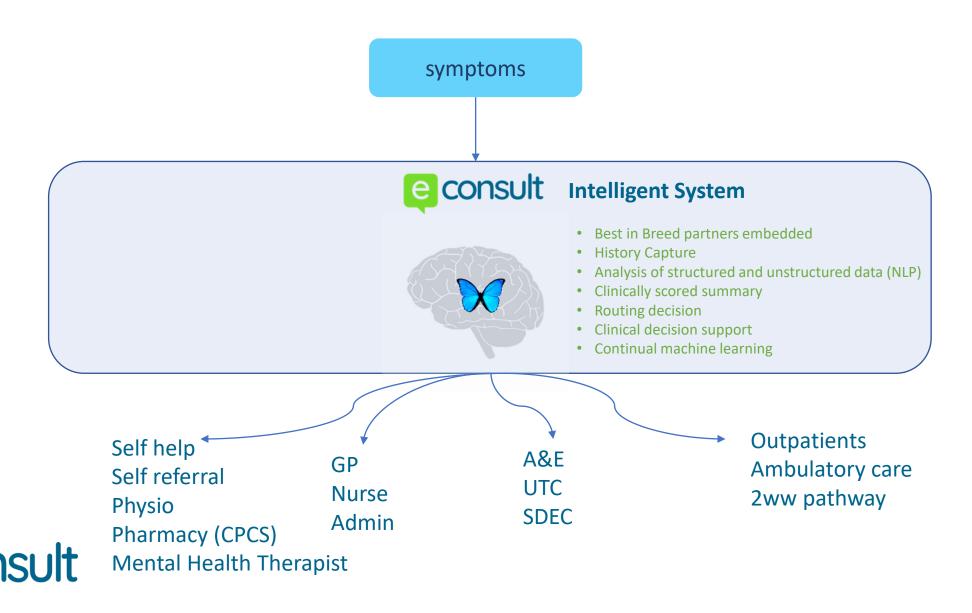


Operating Platform.....from 3 entry points covering 3 doors





......to 1 patient centric O.S to all doors, available from home



Strategic alliances

Primary



∧CCELERATED ∧CCESS COLLABORATIVE

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Urgent and Emergency







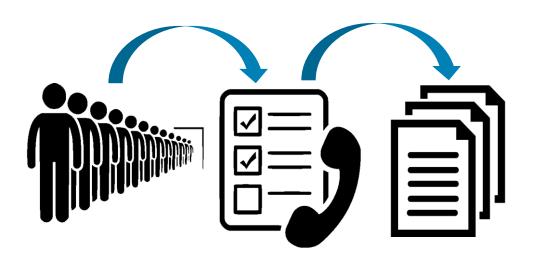
Specialist





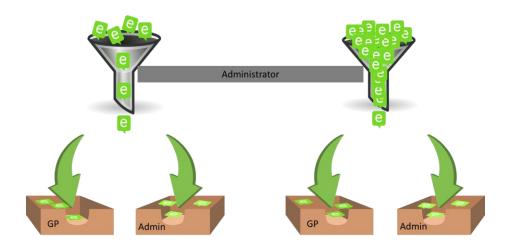
What problem do we need to solve?

The 'volume' problem



- **10X growth** from 2019 to 2020
- **1M** eConsults per month
- 0.5 WTE admin staff required per practice and 0.5WTE clinical staff

The 'filter' problem



- eConsults need to be triaged accurately and at speed to avoid delays in care
- eConsults could be triaged to many different roles, including the new primary care roles



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How are we solving that problem?

eHub - A smart inbox



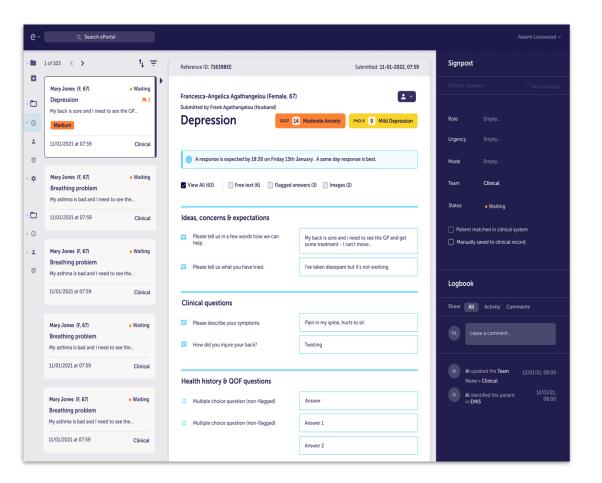
Al powered triage engine



Uses ML to learn and evolve



Individualised workload view







How does it work?



eConsult Submission



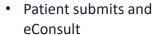


mapping









 eConsult pushed to the cloud via an API to the AI triage engine

I've been having a burning sensation for 2 days when I pee and have been going more often. I don't feel hot or have fever symptoms. I've had uits before, please can I have antibiotics?

- Core symptom dictionary
- Negation detector
- Spell checker (ML trained)

Conditions = ['burning sensation', 'frequency'] Negated Conditions = ['fever'] 'antibiotics' corrected to 'antibiotics' Diseases = ['utis'] Frequency + burning sensation + antibiotics = UTIS

Condition	First	Second
UTI	Pharmacist	PA
Contraception	PA	Nurse
Back problem	FC Physio	PA

• eConsult ref: j3909f3d

Assignment: Pharmacist

• Condition: UTI

- Al triage decision pushed to the eHub user interface via API
- Re-distribution data feeds back to cloud database
- Write direct to electronic patient records
- ML algorithm evolves based on outcome data





What are the benefits?



Free up 0.5 WTE GP Time - Reducing time spent per eConsult and GP clinicians only seeing relevant eConsults.



Freeing up to 0.5 WTE admin staff Automated distribution of all eConsults, ability to redirect and less than 1% sent to admin where GP review required.



Prioritise your focus: Immediately visible list of presenting complaints and risk flags to help you focus on those with more urgent needs first.



Plan ahead: Management dashboard using AI to predict (3 month+) day-to-day demand and real-time ability to react on the day.



Coming Soon...

Appt channel



Predicts whether an appointment should be delivered via F2F/Telephone/Video etc.

Appt time



Predicts potential complexity and therefore length of time to close eConsult.

Auto Referral



Identify and refer patients that need secondary care input.



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e consult

Any questions....?

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