

Problem

There is currently no platform or service available that generates/provides a summary document on at patient clinics that allows a complete search of electronic patient records at the point of patient presentation

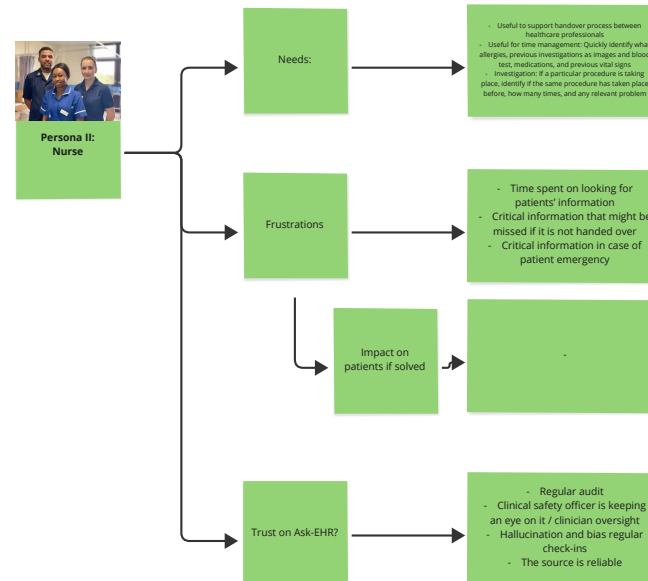
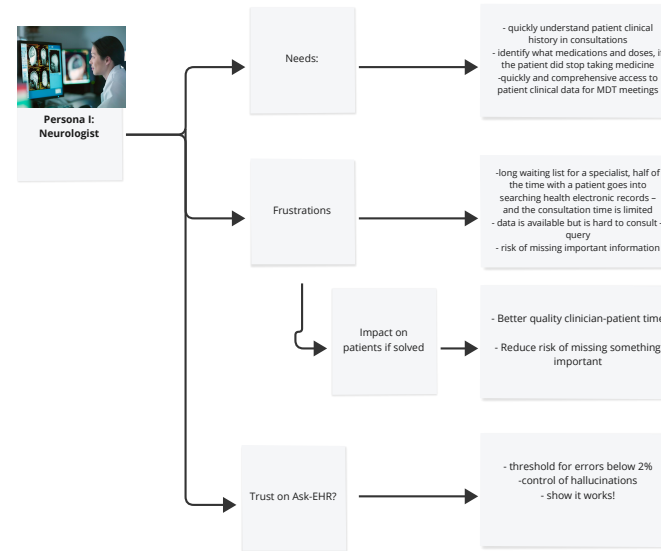
Aim

AsKEHR will provide a scalable and market-ready AI-powered search engine that integrates seamlessly into Electronic Health Record (EHR) systems, optimising clinical efficiency across the NHS and private healthcare sectors. AskEHR seeks to address the inefficiencies in patient record retrieval, ensuring that clinicians and healthcare providers have instant access to relevant patient information at the point of care.

Why is relevant?

AsKEHR will considerably decrease pre-appointment research and record retrieval. This will make consultations more efficient and comprehensive with all relevant data available at point of consultation.

TWO CASES



AsKEHR SYSTEM

Goal / Functionalities 5	Steps to use the system 5	Solution 5
<input type="text" value="x"/>	<input type="text" value="Login with NHS Care Identity Card"/>	<input type="text" value="x"/>
<input type="text" value="x"/>	<input type="text" value="Type in 'patient identifier' - NHS number' and receives the patient's summary information"/>	<input type="text" value="x"/>
<input type="text" value="x"/>	<input type="text" value="Quick summary of patient's data"/>	<input type="text" value="x"/>
<input type="text" value="Ensure interoperability with Epic, System C, and EMIS."/>	<input type="text" value="Send request to a system - 'Ask a question'"/>	<input type="text" value="x"/>
<input type="text" value="DTAC, CSO, DCB0160 and DCB0129 compliance"/>	<input type="text" value="If needed - access to specific information from the clinical record"/>	<input type="text" value="x"/>

Home screen

Neurology:
find urinary
tract infection
history

Neurology:
ask for
summary

Epilepsy/
headache:
medication
history.

Ward
nurse:
handover
notes

AskEHR

Patient name
DOB

🔍 Ask a question

Clinical records:

[Doctors' notes](#)
[Nurse's notes](#)
[Physiotherapy notes](#)
[OT notes](#)
[Discharge summaries](#)
[Blood test results](#)
[Imaging reports](#)
[Social care notes](#)

Your common questions:

[Generate a handover summary.](#)
[What is this patient's medication history for condition1?](#)
[How many times has this patient seen their GP for condition1?](#)

Personalised
common
searches

AskEHR: Neurology clinic

Patient name
DOB

Clinical records:

[Doctors' notes](#)
[Nurse's notes](#)
[Physiotherapy notes](#)
[Discharge summaries](#)
[Blood test results](#)
[Imaging reports](#)

Has this patient had any previous urinary tract infections?

The patient has had 3 previous urinary tract infections:

- 28 Feb 2025, treated with antibiotic1
[📄 Doctor's notes](#)

- 13 August 2023, treated with antibiotic2
[📄 Doctor's notes](#)

- 12 January 2023, treated with antibiotic 1
[📄 Doctor's notes](#)

What bacteria caused the infections?

Urinary tract infection causes:
- 28 Feb 2025, bacterium1
[📄 Blood test results](#)

- 13 August 2023, bacterium1
[📄 Blood test results](#)

- 12 January 2023, bacterium2
[📄 Doctor's notes](#)

🔍 Ask a question

[Summarise this chat](#)

Inline links to
sources - easier
to access the
right thing to
find out more

AskEHR: Neurology clinic

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What bacteria caused the infections?

Urinary tract infection causes:
- 28 Feb 2025, bacterium1
[📄 Blood test results](#)

- 13 August 2023, bacterium1
[📄 Blood test results](#)

- 12 January 2023, bacterium2
[📄 Doctor's notes](#)

Summary:
The patient has had three urinary tract infections since January 2023. Most recently, in February 2025 an infection with bacterium1 was treated with antibiotic1. In August 2023 an infection with bacterium1 was treated with antibiotic2. In January 2023 an infection with bacterium2 was treated with antibiotic1.

Sources:
[Doctor's notes 28 Feb 25](#)
[Blood test results 1 Mar 25](#)
[Doctor's notes 13 Aug 23](#)
[Blood test results 15 Aug 23](#)
[Doctor's notes 12 Jan 23](#)
[Blood test results 12 Jan 23](#)

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Summaries
are better with
links
afterwards to
aid legibility

AskEHR: Epilepsy clinic

Patient name
DOB

Clinical records:

[Doctors' notes](#)
[Nurse's notes](#)
[Physiotherapy notes](#)
[Discharge summaries](#)
[Blood test results](#)
[Imaging reports](#)

What epilepsy medications has this patient had before? Why did they stop?

Medication history:

01 Jan 23 - 26 Mar 23
100mg of med2 2 x day
[📄 Doctor's notes 1 Jan 23](#)

27 Mar 23 - 10 Jun 23
200mg of med2 2 x day
Discontinued as produced no effect
[📄 Doctor's notes 27 Mar 23](#)

11 Jun 23 - 12 Feb 25
100mg of med3 2 x day
Discontinued due to side effect1
[📄 Doctor's notes 11 Jun 23](#)

Current medication:
12 Feb 25 - present
100mg of med1 3 x day
[📄 Doctor's notes 12 Feb 25](#)

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AskEHR: ward notes

Patient name
DOB

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[Social care notes](#)

Generate a handover summary for the next nursing shift

John Doe in bed 23 was admitted on 28 Feb 25.

They are **allergic to penicillin**.

Their medications are:
- 25mg med1 3 x day
- 100ml med2 1 x day
Their next medication, med1, is due at 1700.

They were referred for an x-ray at 1200 on 1 Mar 25.

They need a social care assessment before discharge.

Sources:
[Doctor's notes 28 Feb 25](#)
[Nurse's notes 1 Mar 25](#)
[Radiology referral](#)
[Social care notes](#)

Do they need any prep for the x-ray?

Yes, take contrast one hour before x-ray

Source:
[Radiology referral](#)

What care package did the patient have prior to admission?

Before admission, they had a care package twice a day. On discharge this should be increased to three times a day.

Source:
[OT notes](#)
[Physiotherapy notes](#)

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AsKEHR

Neurosurgery clinic




Patient summary

Name

Current medications

Allergies

Latest imaging



Latest interventions

Full patient record

Has this patient had any previous urinary tract infections?

The patient has had 3 previous urinary tract infections:
1. Date, treatment, [record](#)
2. Date, treatment, [record](#)
3. Date, treatment, [record](#)

What bacteria caused the infections?

Urinary tract infection causes:
1. Date, bacteria, treatment, [record](#)
2. Date, bacteria, treatment, [record](#)
3. Date, bacteria, treatment, [record](#)

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AsKEHR: Neurology clinic

Patient Name

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AsKEHR: Neurology clinic

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[Blood test results 12 Jan 23](#)

AsKEHR: Epilepsy clinic

Patient name

DOB

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AsKEHR: ward notes

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