



# éclateral: Democratising Diagnostics

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# Healthcare in England



Every year, the NHS delivers:

- 17 million inpatient admissions through 200 Trusts
- 270 million GP appointments through 7000 practices
- 1.1 billion prescriptions through 11,500 pharmacies

The carbon footprint of the NHS is 25 megatonnes of CO2 equivalents, of which patient and visitor travel makes up ~10%

In 2016, the average patient travelled 77.6 miles in a car for medical appointments

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The carbon footprint of the NHS is 25 megatonnes of CO<sub>2</sub> equivalents, 6% of the UK's footprint, of which patient and visitor travel makes up ~10%

In 2016, the average patient travelled 124 km in a car for medical appointments

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# Changing regulatory environment



- Delivering a 'Net Zero' National Health Service – Report and Statutory Guidance
  - The Health and Care Act 2022- new duties on NHS England to meet climate goals
  - Rapid diagnostic centres (RDCs): faster diagnosis and increasing efficiency + reducing carbon emissions
  - NHS@Home and community diagnostic hubs
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# Self tests with clinical confidence



**May 2023: NHSE Delivery plan for recovering access to primary care**

**“Empower patients** by rolling out tools they can use to manage their own health, and invest up to £645 million over two years to expand services offered by community pharmacy.”

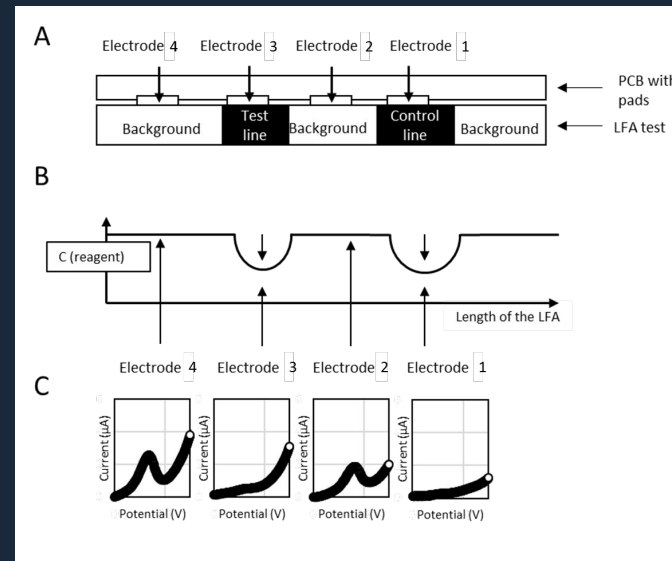
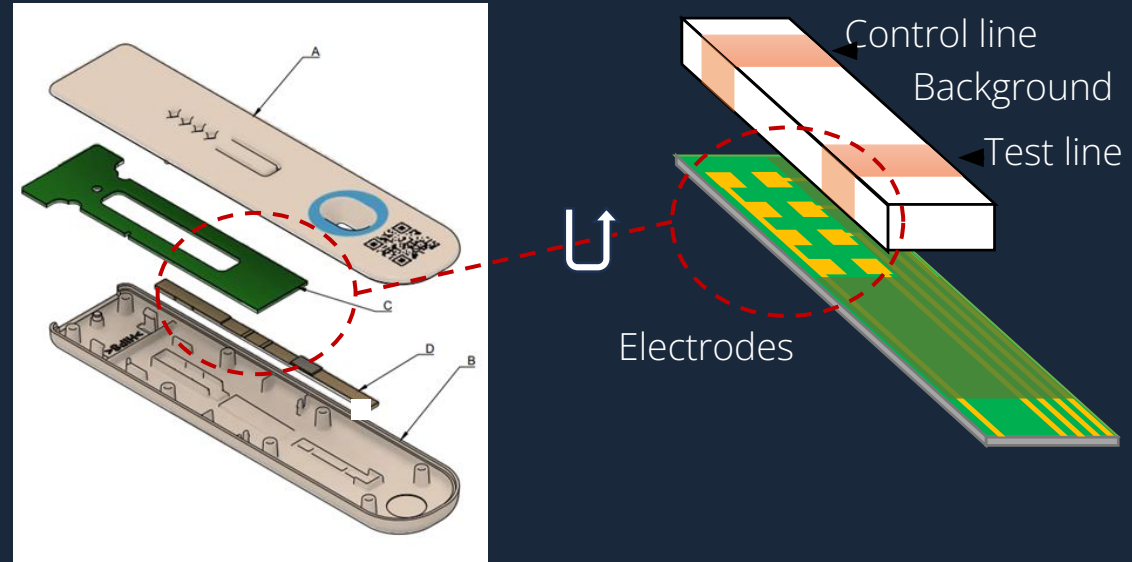
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# o~pal test system



**secure  
server** 

# e-c Lateral Flow Test



# AMR



By 2050, if nothing is done, 6 million people will die of an antibiotic resistant infection

65% of GP visits are for respiratory tract symptoms

35 million prescriptions for antibiotics annually

12,000 people died an unnecessary antibiotic resistant death in 2021 in the UK: more than breast cancer

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# Self tests with clinical confidence



CRP testing is already part of NICE guidance and NHS pathways

Not used due to costs

At 0-20 mg/L, bacterial infection is unlikely

At 20-100 mg/L, use clinical judgment but recommend watch and wait

At >100 mg/L, prescribe antibiotics

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# Self tests with clinical confidence



## Planned Test Menu:

- CRP test- launch H2 2025
    - antibiotic prescription
    - rheumatology
  - Menopause test- launch H1 2026
  - PSA test- launch H2 2026
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# Pathways to users



CRP test:

Prescribing pharmacists seeking to deliver best in class care and customer confidence

Menopause test:

Partner with Apps who deliver advice around symptom tracking but want to extend their offering

Partner with wearables to extend the information they can gather

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# To bring clinical grade diagnostics into every home



We make lateral flow tests electric

objective

quantifiable

more sensitive

with  $< 10\%$  increase in COGS

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