

EOS Mobile Demonstration

What is EOS Mobile?

- EOS mobile gives you the information you need about a transplant quickly, safely and efficiently
- 24/7 access to summarised EOS information on a smart phone or tablet
- Developed in direct response to EOS user feedback and part of NHSBT's ongoing commitment to speed up and simplify the offer process.

What are the benefits of EOS Mobile?



Blood and Transplant

- Reduces the risk of transcription errors
- Reduces the time spent reviewing offers
- Reduces the need to call the NHSBT Duty Office
- Ensures compliance with EUODD standards
- Reduces the total time from offer to acceptance leading to better quality transplants.
- EOS usage will become a fundamental part of the offering process

EOS Mobile Login

EOS Mobile - Login - Windows Internet Explorer provided by NHS Blood and Transplant

https://www.eosmobileuat.nhsbt.nhs.uk/faces/jsp/Login.jsp

EOS Mobile - Login

Monday 12/11/2012 17:01 PM

NHS
Blood and Transplant

Welcome to the Organ Donation and Transplantation Electronic Offering System (EOS)

Enter Username

Enter Password

Forgot [Username](#) or [Password](#)

Login

For support call the NHSBT Service Desk on 01132148777
EOS Mobile Version 1.0

Trusted sites | Protected Mode: Off

17:01
12/11/2012

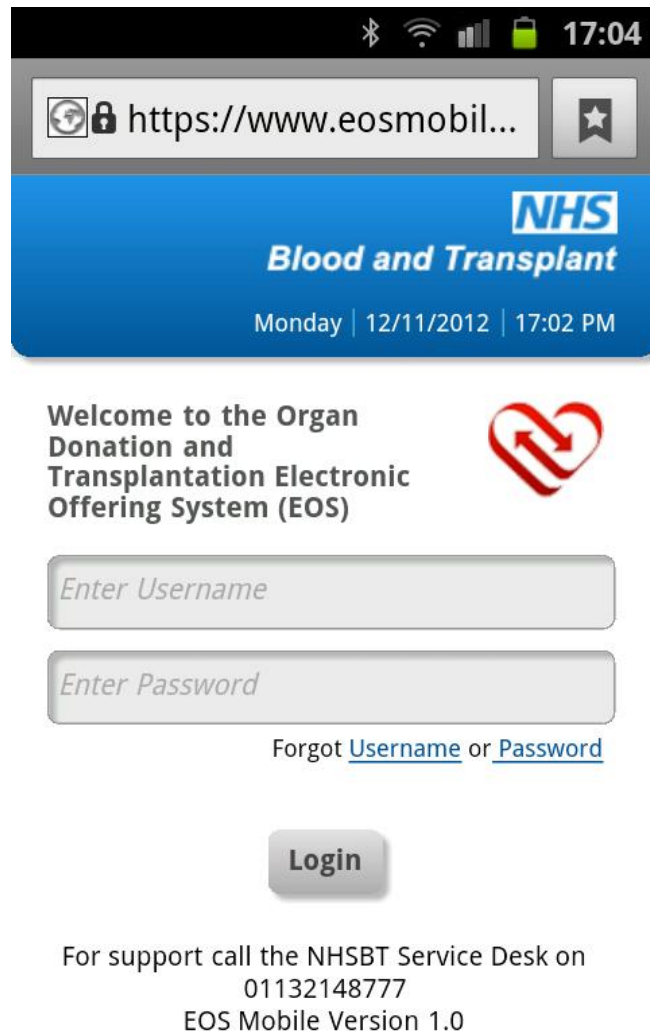
Done

Login directly from any supported internet browser

Single EOS username and password required

Every member of hospital staff required to review offers can be given access once trained

Mobile login



The screenshot shows a mobile browser interface for the NHS Blood and Transplant mobile login. At the top, the status bar shows Bluetooth, Wi-Fi, signal strength, battery, and the time 17:04. The address bar displays a secure connection to https://www.eosmobil... with a lock icon and a star icon. Below the address bar is a blue header with the NHS logo and the text 'Blood and Transplant'. Under the header, it shows the date and time: 'Monday | 12/11/2012 | 17:02 PM'. The main content area has a welcome message: 'Welcome to the Organ Donation and Transplantation Electronic Offering System (EOS)' next to a red heart icon with two arrows. Below this are two input fields: 'Enter Username' and 'Enter Password'. A link 'Forgot Username or Password' is positioned below the password field. A 'Login' button is centered below the input fields. At the bottom, there is support information: 'For support call the NHSBT Service Desk on 01132148777' and 'EOS Mobile Version 1.0'.

17:04

https://www.eosmobil...

NHS
Blood and Transplant

Monday | 12/11/2012 | 17:02 PM

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Donation and
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Enter Username

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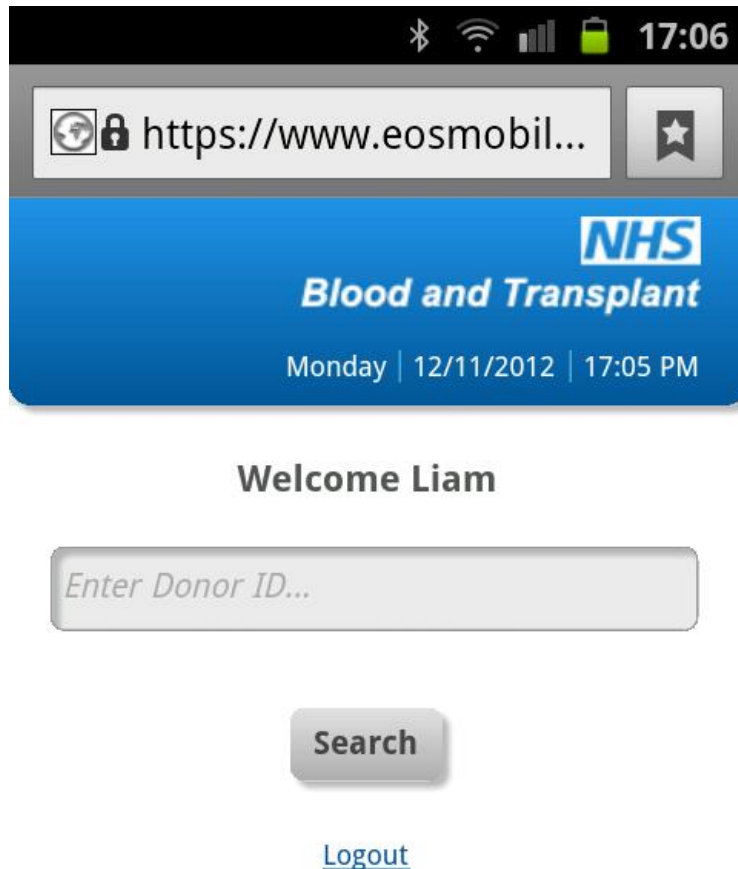
Login

For support call the NHSBT Service Desk on
01132148777
EOS Mobile Version 1.0

NHS
Blood and Transplant

- The application has been developed specifically to support login from smart phones and tablets
- The 'look and feel' is the same from desktop computer, to tablet, to smart phone

Simple 'Donor Search' Functionality



The screenshot shows a mobile web browser interface. At the top, the status bar displays Bluetooth, Wi-Fi, signal strength, battery level, and the time 17:06. The browser's address bar shows a secure connection to <https://www.eosmobil...>. Below the browser, the NHS Blood and Transplant logo is displayed, along with the date and time: Monday | 12/11/2012 | 17:05 PM. The main content area features a welcome message "Welcome Liam", a text input field with the placeholder "Enter Donor ID...", a "Search" button, and a "Logout" link.

- Users are presented with a simple Donor Search screen
- The Donor Number for the offer will be provided by the NHSBT Duty Office

Donor Summary Page

Welcome Liam

Monday | 12/11/2012 | 16:55 PM

Donor Summary

[Expand All](#)

[Back to Donor Search](#)



[View Full CDDF](#)

[Logout](#)

Donor Basics



Donor Number	93300	Sex	FEMALE	BMI	37.97
Donor Hospital	WINCHESTER, ROYAL HAMPSHIRE COUNTY HOSPITAL	ABO	O	Girth	120 cm
		Rhesus	POSITIVE (+)	Admission to Hospital	05/11/2011
Donor Type	Deceased heartbeating	Height (cm and inches)	159 cm / 63 inches	Ventilation Commenced:	
		Weight	96.0 kg	on Date	
Age	68 Year(s)			at Time	
SN-OD Name	LUCY O'BEIRNE	SN-OD Contact	07889304402		

Clinical Observations

Blood pressure (Avg) 120/65 mmHg

Heart rate 72 beats/min

Urine output:

'Accordion' style access to donor details

Welcome Liam

Monday | 12/11/2012 | 16:55 PM

NHS
Blood and Transplant

Donor Summary

[Expand All](#)[Back to Donor Search](#) |  [View Full CDDF](#) | [Logout](#)


Donor Basics	>
Cause of Death / Past Medical History	>
Cardioactive Drugs & Insulin	>
Cardiothoracic Assessment	>
Liver Function Tests	>
Virology / Biochemistry	>
Clinical Assessment	>

'Accordion' feature - expanded



Donor Summary

[Collapse All](#)

[Back to Donor Search](#) |  [View Full CDDF](#) | [Logout](#)

Donor Basics

Cause of Death / Past Medical History

Cause of Death

Intracranial haemorrhage

Cause of Death (Others)

Witnessed collapse at home after complaining of a headache. Transferred to ICU for BST

Hypertension

YES

Cardiothoracic disease

NO

Tumour

NO

Liver disease

NO

Alcohol abuse

NO

Drug abuse

NO

Diabetes

NO

Cigarette smoker

NO

UTI

NO

Number per day

Other, including prescribed medication

Hypertension on bendrofluazide 2.5mg. No documented BP in patients notes regarding what their BP runs at. Hypothyroid on thyroxine 50 mcg. Glaucoma & Macular hole in right eye. degeneration metatarsophalangeal joint. NO allergies.

Are you aware of any medical or social contraindications to organ/tissue donation by this donor?

NO
(Refer to full CDDF for further details)

Cardioactive Drugs & Insulin

Organ Donation and Transplantation

'Accordion' detail on a mobile phone

NHS
Blood and Transplant
Monday | 12/11/2012 | 17:07 PM

Welcome Liam
[Back to Donor Search](#)

Donor Basics

Donor Number **93300**
Donor Hospital **WINCHESTER, ROYAL HAMPSHIRE COUNTY HOSPITAL**
Donor Type **Deceased heartbeating**
Age **68 Year(s)**
Sex **FEMALE**
ABO **O**
Rhesus **POSITIVE (+)**
Height (cm and inches) **159 cm / 63 inches**
Weight **96.0 kg**

Cause of Death / Past Medical History

Cause of Death **Intracranial haemorrhage**
Cause of Death (Others) **Witnessed collapse at home after complaining of a headache. Transferred to ICU for BST**
Hypertension **YES**
Tumour **NO**
Alcohol abuse **NO**
Diabetes **NO**
UTI **NO**
Cardiothoracic disease **NO**
Liver disease **NO**
Drug abuse **NO**
Cigarette smoker **NO**
Number per day
Other, including prescribed medication **Hypertension on bendrofluazide 2.5mg. No documented BP in patients notes regarding what their BP was at. Hypertension on**

NHS
Blood and Transplant

on Date **05/11/2011**
at Time **18:30**
Sodium **137 mmol/l**
Potassium **3.0 mmol/l**
Blood Urea **5.9 mmol/l**
Creatinine **74 µmol/l**
Urea and electrolytes (retrieval)
on Date
at Time
Sodium
Potassium
Blood Urea
Creatinine
White Cell Count
White cell count **8.5 x 10⁹ /l**

Clinical Assessment

View Full CDDF

[Logout](#)

Organ Donation and Transplantation

Access to full CDDF available and suggested when needed



Blood and Transplant

Donor Summary

[Collapse All](#)[Back to Donor Search](#)[!\[\]\(1180f6161c4beedc69d6e37d66329f59_img.jpg\) View Full CDDF](#)[Logout](#)

Donor Basics

Cause of Death / Past Medical History

Cause of Death

Intracranial haemorrhage

Cause of Death (Others)

Witnessed collapse at home after complaining of a headache. Transferred to ICU for BST

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Cardioactive Drugs & Insulin

Organ Donation and Transplantation

Anonymised CDDF opens in local PDF software

https://www.eosmobileuat.nhsbt.nhs.uk/_donor_summary?parameter=_modified_CoreDonorDataform13527 - Windows Internet Explorer pro

https://www.eosmobileuat.nhsbt.nhs.uk/_donor_summary?parameter=_modified_CoreDonorDataform1352739560682.pdf

Validated as at 12/11/12 16:59. For latest data return to donor summary page and View Full CDDF

NHS Blood and Transplant

Core Donor Data PDF - Print View

Donor 93300 WINCHESTER, ROYAL HAMPSHIRE COUNTY HOSPITAL

ABO O Rhesus POSITIVE (+) Gender FEMALE Age 68 year(s) 9 month(s) DonorType HB

Donor basics

ODT donor number	93300	Donor on ODR?	YES
Callout number	50212	Date/time notified to ODT on	05 / 11 / 2011 at 18 : 35
Donating hospital	HJ2311	Age	68 year(s) 9 month(s)
NHS/CHI number	1274200881	Sex	FEMALE
Ethnic origin	WHITE		
If mixed or other, please specify			
Donor hospital	WINCHESTER, ROYAL HAMPSHIRE COUNTY HOSPITAL		
Admission to hospital on	05 / 11 / 2011 at 17 : 35		
Referring unit	Accident and Emergency Department		

Done Unknown Zone | Protected Mode: Off

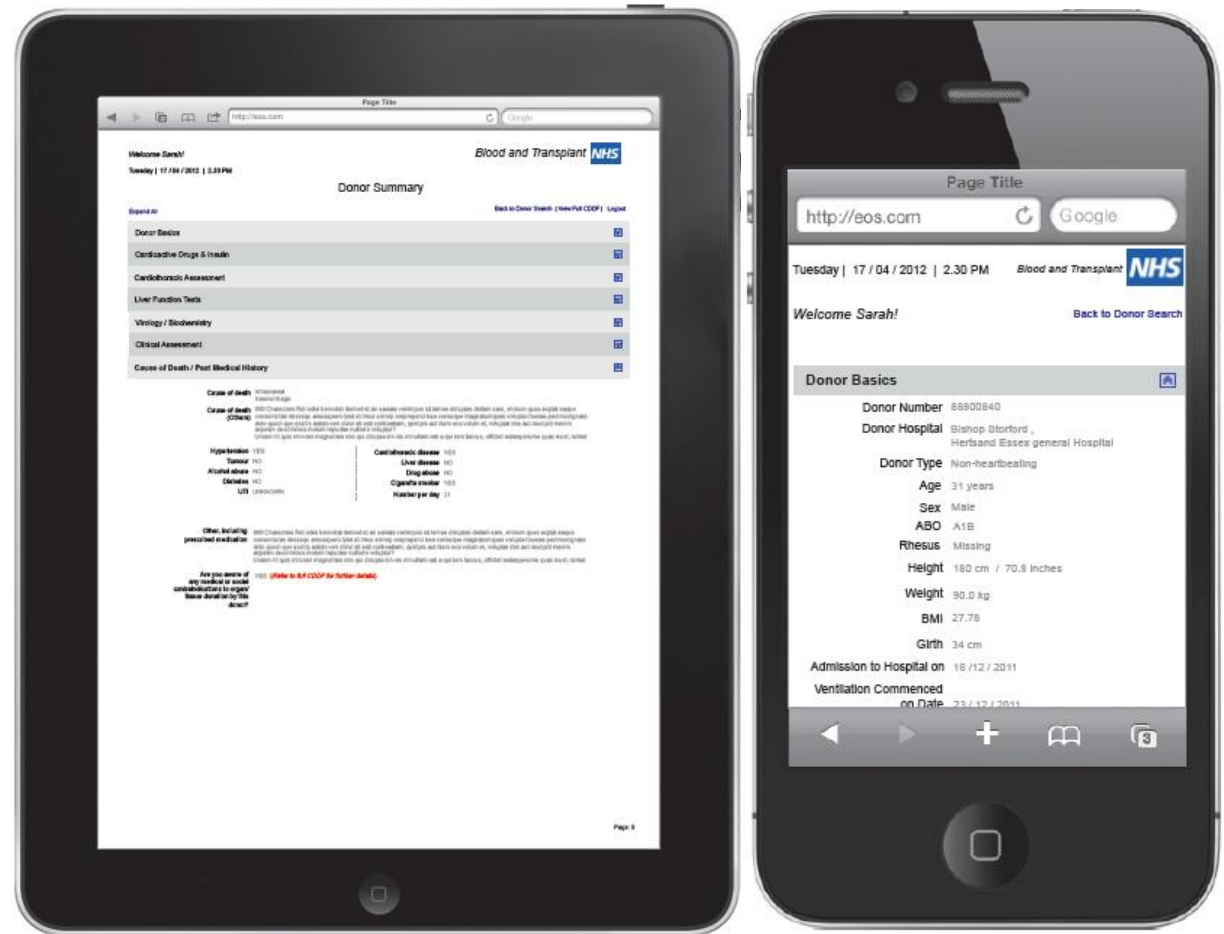
NHS Blood and Transplant

[View Full CDDF](#) [Logout](#)

Organ Donation and Transplantation

Devices Supported

- EOS Mobile will be validated to work on:
 - Internet Explorer (version 7 and up)
 - Mozilla Firefox (version 10 and up)
 - Apple iPad & iPhone (iOS 5)
 - Blackberry Torch and Bold
 - Samsung Galaxy S II
- We expect it to work on other devices also and are undertaking testing to confirm compatibility



Next Steps

- Final testing is underway
- EOS Mobile will be available in January 2013 to centres currently using EOS
- Full training programme planned for other centres commencing January 2013
- EOS usage to become a fundamental part of the offering process from April 2013

Organ Offering Protocol – the need

- A busy night in the Duty Office:
 - 2 Duty Officers (960 minutes staff time)
 - 4 donors
 - 4 organs per donor
 - Average of 3 offers per organ
 - Average of 20 minutes explaining offer details if EOS not used
 - Total time required: 960 minutes
- No capacity to process offers, deal with queries, contact SNODs etc.
- Plus the risk of transcription errors

Organ Offering Protocol – Draft Principles

- NHSBT to support 6 offering methods:
 - Fax;
 - E-mail;
 - SMS (Text Message);
 - Alphanumeric Pager (Text Message);
 - Automated Voice Call;
 - Single telephone call to hospital switchboard/unit telephone.
- Some methods place additional obligations on recipient centres (i.e., Fax must be monitored 24/7)
- Recipient centres to select a primary and secondary method to receive ALL offers
- Duty office to maintain a single list of contacts per centre appropriate to each offering method
- Offering protocol to be approved by EOS Clinical Support Group and Advisory Group Chairs early in 2013