Sepsis Study 2014
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June 18th 2014
80 Medical students from years 1-5
Collecting data on prevalence of sepsis
3 shifts over 24 hours
4 Acute hospitals in SE Wales
Study previously presented at RRAILS
Problems Encountered

Student understanding of protocol
Data accuracy
Security of paper forms
Duplicate recruitment
Data entry and analysis
Wards to cover
Health board policies
Sepsis Study 2015

All wales study
Changes to recruitment
Improved training for students
Additional resources available
Sepsis Study 2015

Study date: June 17th 2015
18 hospitals in Wales
300 students needed
Expanded support structure
Digital Data Collection
WDDCP Explanation

Data collection ‘framework’ - OpenDataKit

Device - Android Tablet
Data Collection Form - Custom Design for 2015
Data Storage Server - Google App Engine
Security Features

Data Security:
  Storage - RSA-2048 Encryption
  Transfer - SSL (Secure Sockets Layer)

Device Security:
  Users: Limited Access Accounts
  Remote: Cerberus App
Costs & Battery

Device: Tesco Hudl 2 - £129
Cerberus Security: 2EUR / device
Software: OpenDataKit - Free
Google AppEngine - Free

Battery - 8 hours full usage. Need recharging
Advantages

- Improved data accuracy
- Improved security
- Faster cleanup and analysis
- Can collect richer quality data
- Easy modifications / updates
- Offline data collection
WDDCP Demonstration

- OpenDataKit App
- Data Collection Form
- User Accounts & Security
Future Development

Will be made available to Welsh researchers after study
Cardiff University Research Society (CUReS) will manage devices and provide support

Contact WDDCP@Cardiff.ac.uk to find out more about deployment
Any questions?

Contact WDDCP@Cardiff.ac.uk

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