

# SWARM

## South West Anaesthesia Research Matrix

[www.ukswarm.com](http://www.ukswarm.com)

### East Midlands Academic Showcase, Loughborough 2013

**Prof Robert Sneyd**  
Dean & Professor of Anaesthesia  
Peninsula Medical School  
Derriford Hospital, Plymouth

**Dr Sandeep Rahul Kusre**  
SWARM Secretary  
ST3 Anaesthetics  
Derriford Hospital, Plymouth

# Is Research Difficult as a Trainee?

- Rotational nature of training
- Short placements
- Right place / right time!
- Time consuming
- Senior support
- Deanery size
- Ideas
- Ethics committees
- Lack of training



# What is SWARM?

- Trainee research collaborative
- 6 Trusts in the South West Peninsula Deanery
- Continuity across the Deanery
- Encourage a cultural shift in how studies are conducted and authors recognised



# The Peninsula...

## TAUNTON

Taunton and Somerset



NHS Foundation Trust

## BARNSTAPLE

Northern Devon Healthcare



NHS Trust

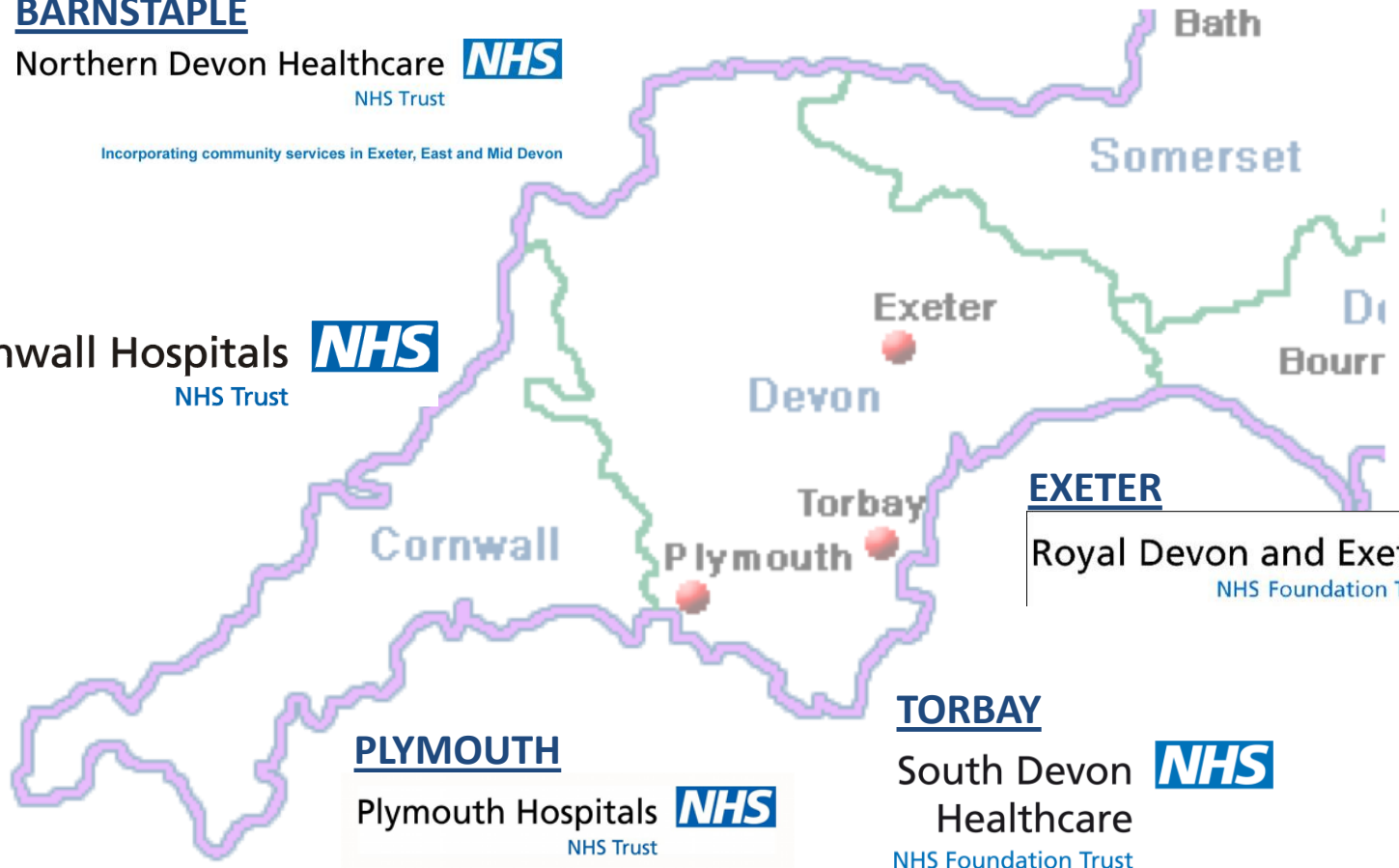
Incorporating community services in Exeter, East and Mid Devon

## TRURO

Royal Cornwall Hospitals



NHS Trust



## EXETER

Royal Devon and Exeter



NHS Foundation Trust

## PLYMOUTH

Plymouth Hospitals



NHS Trust

## TORBAY

South Devon  
Healthcare



NHS Foundation Trust

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# Why Trainee Led?

- Non-centralised...
- Large pool of motivated doctors across a large geographical area
- Good insight into varied anaesthetic practice providing stimulus for research topics
- Time and motivation to make this model work due to training status



# (Formal) Aims

- establish a regional network of anaesthetic trainees who conduct multi-centre research and audit
- allow trainees to continue their involvement in research and audit projects as they migrate around the deanery
- provide training in research for the educational benefit of SWARM members
- attract national funding for research and audit work



# Structure

- Central committee (trainees and consultants)
  - management / mentorship role
- Local trust trainee and consultant leads
  - facilitate project at a local level
- SWARM trainee membership
  - medical students
  - data collection for projects



# Contribution & Authorship Rules

- Made clear in the constitution
- Categories of contribution
  - regional project lead
  - local trust project lead
  - local trust project investigator
  - local trust project contributor
- Publish under the authorship of SWARM
- Individual roles acknowledged on website

<http://www.ukswarm.com/las-vegas>

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# Choosing Projects

- SWARM Audit Project 1
  - ‘proof-of-concept’
  - foster enthusiasm
  - construct the infra-structure of SWARM
- Democratic decision balanced with maintaining collaborative direction
- Objective scoring sheet



# Has SWARM been a success?

- SWARM AP 1 – presentation at ARS 2012
- LAS VEGAS – abstract at AAGBI 2013
- SPRATS – abstract at ESRA 2013
  
- SuSHi in progress... - sedation audit
- THANCS – analgesia audit
  
- Peninsula Deanery Innovation Grant
- Acknowledged on application forms
- Close relationship with Peninsula Medical School
- Positive feedback from Research Nurses
- Mechanism to achieve RCoA curriculum objectives



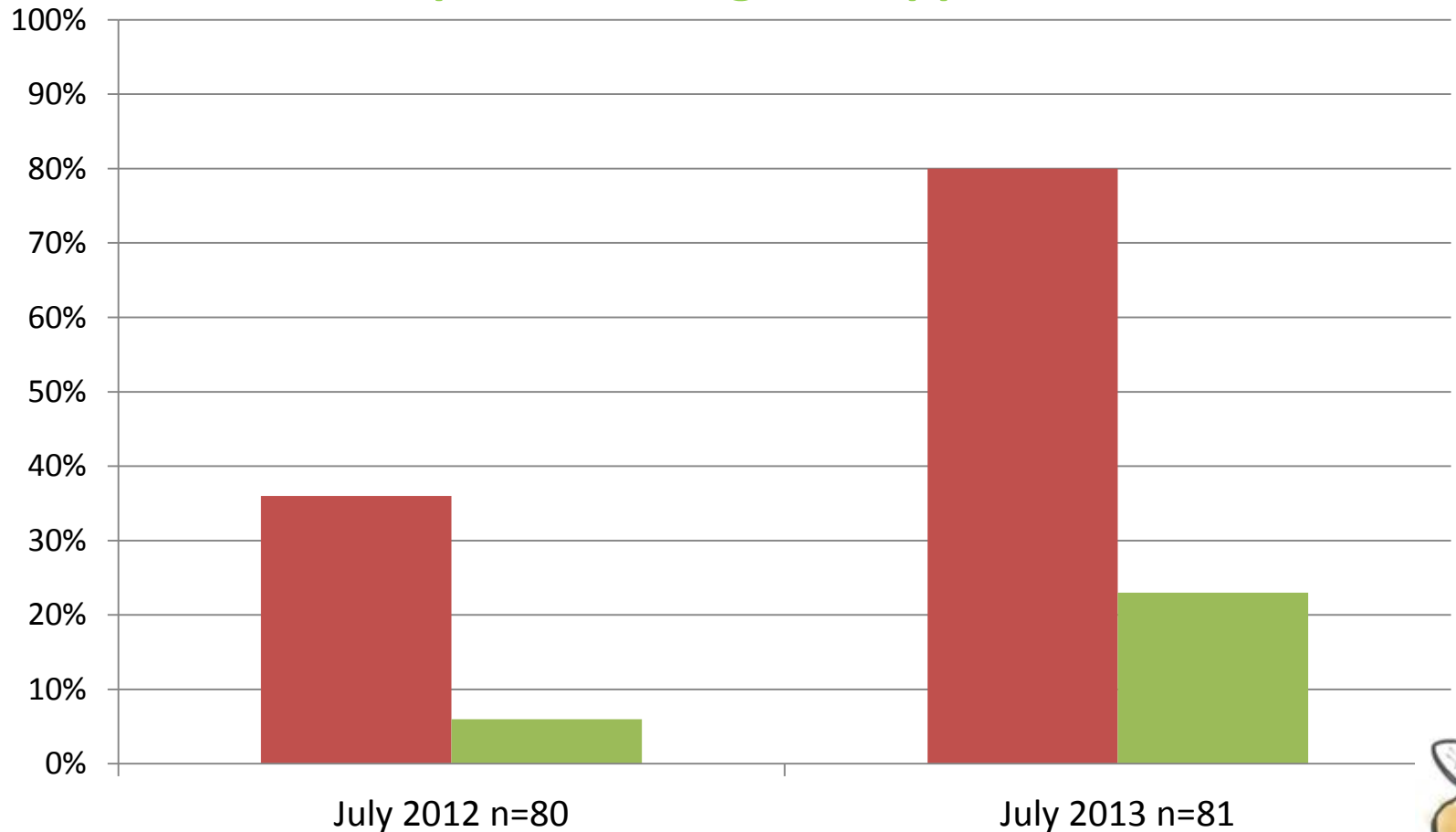


- NIHR badged observational study
- Intra-operative ventilation and post-operative lung complications
- 76 trainees, research nurses and medical students
- SWARM recruited...
  - 586 patients (41% of UK total over 21 sites)
  - 6% of all patients (n=9589)
- Derriford Hospital 3<sup>rd</sup> highest recruiting centre (147 total)



# SWARM Research Survey

- **involvement in clinical research**
- **adequate training and opportunities**



# Presentations / Publications

- 9 trainees presented at 8 national meetings
  - AAGBI / ARS / GAT / ESRA / SASWR / NIAA / RCoA / PHNT Research Congress
- Anaesthesia Points West
- RCOA Bulletin
- British Journal of Anaesthesia
- ...the icing on the cake...





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## Anaesthetists are taking the lead on European research

By **Plymouth Herald** | Posted: April 05, 2013

 **Comments (0)**

ANAESTHETISTS in training from hospitals across the South West, including Derriford, are taking the lead nationally and across Europe in anaesthesia research.

 **Tweet**

<http://www.plymouthherald.co.uk/Anaesthetists-taking-lead-European-research/story-18618139-detail/story.html>



# Ongoing Work...

- Tasked by NIHR to lead the establishment of national trainee research network
  - NIAA / RCOA / FICM
- Regional ICU Project in the pipeline
- Invited by PenCLRN to feedback on success of Las Vegas



# The Challenges

- Sustainability
- Supporting other collaborative networks
- National project (work with NIAA / RCOA)
- Maintaining enthusiasm amongst trainees
- Address variations between centres





# My Perspective...

- Ease of getting involved
- Educational / training benefit (ICH GCP etc)
- Liaising with hospital research team
- Coordinating a multicentre research study
- Multiple avenues of continuing involvement
- Better equipped to appreciate study planning
  
- No other way of developing research experience over a short period of time



# Questions?



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