



# SurfON Collaborators Day

## 15 June 2022

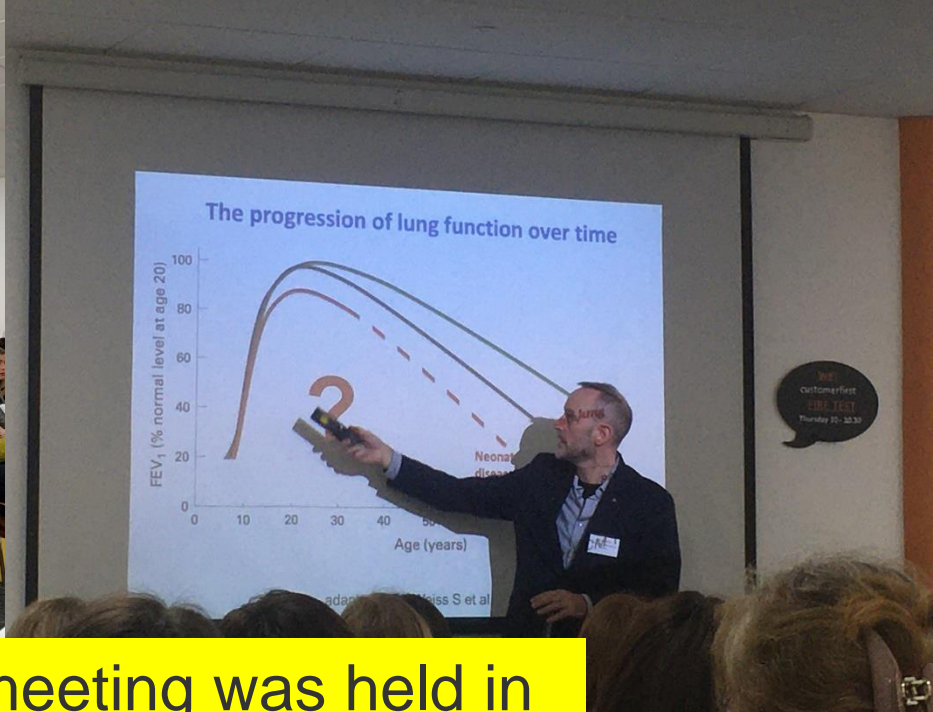
# The Challenge Ahead

Professor Elaine M Boyle, Chief Investigator  
Dr Indrani Manoharan, Trial Manager

## Presentation overview

- SurfON origins & launch
- The pandemic
- SurfON status prior to recruitment pause
- Impact of COVID-19
- Activities during recruitment pause
- Recruitment restart plans & the challenge ahead





The SurfON launch meeting was held in Birmingham on the 27<sup>th</sup> of Feb 2020







# SurfON sites opened prior to pause – Feb 2022

## Centre Approvals Report

Showing recruiting centres, grouped by region

Centre	Status	PI	Start date
<b>England</b>			
Leicester Royal Infirmary	Recruiting	Prof Elaine M Boyle	07/07/20
William Harvey Hospital, Ashford	Recruiting	Dr Kwok Sean Mun	01/10/20
Norfolk and Norwich University Hospital	Recruiting	Prof Paul Clarke	09/11/20
Queen Alexandra Hospital, Portsmouth	Recruiting	Dr Tim Scorer	12/11/20
Watford General Hospital	Recruiting	Dr Sankara Narayanan	20/11/20
Poole Hospital	Recruiting	Dr Kiran Khambekar	01/12/20
St Mary's Hospital, London	Recruiting	Dr Ujwal Kariholu	07/12/20
Queen Charlotte's & Chelsea Hospital	Recruiting	Dr Ujwal Kariholu	07/12/20
Medway Maritime Hospital	Recruiting	Dr Santosh Pattnayak	10/12/20
Leeds General Infirmary	Recruiting	Dr Kathryn Johnson	05/03/21
Luton & Dunstable University Hospital	Recruiting	Dr Doris Iyamabo	19/03/21
Royal Devon and Exeter Hospital	Recruiting	Ms Julia Turner	24/03/21
Royal Victoria Infirmary, Newcastle	Recruiting	Dr Stefan Zalewski	26/05/21
Countess of Chester Hospital	Recruiting	Dr Alison Timmis	25/06/21

Centre	Status	PI	Start date
Birmingham Heartlands Hospital	Recruiting	Dr Harsha Gowda	28/06/21
James Cook University Hospital, Middlesbrough	Recruiting	Dr Prashant Mallya	08/09/21
Birmingham Women's Hospital	Recruiting	Dr Anju Singh	08/09/21
University Hospital Coventry	Recruiting	Dr Kathryn Blake Dr Nitesh Singh	19/10/21
Diana, Princess of Wales, Grimsby	Recruiting	Dr Ahmed Mohammed	25/10/21
King's College Hospital, London	Recruiting	Dr Christopher Harris	28/10/21

### Scotland

Royal Infirmary of Edinburgh	Recruiting	Professor Ben Stenson	26/10/20
Ninewells Hospital and Medical School, Dundee	Recruiting	Dr Birgit Wefers	23/04/21

### Northen Ireland

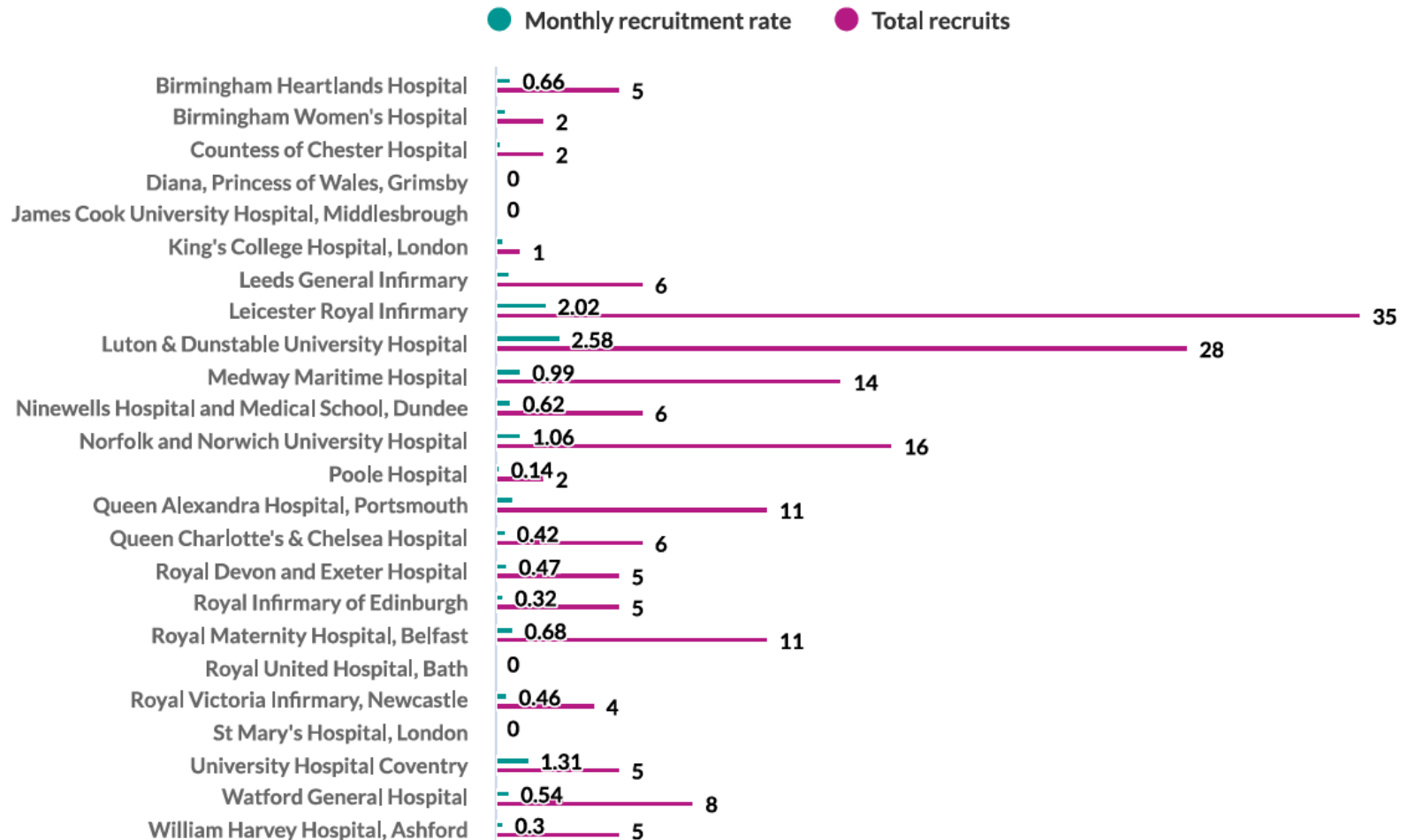
Royal Maternity Hospital, Belfast	Recruiting	Dr David Sweet	06/10/20
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**Totals for Northen Ireland** **0**

1<sup>st</sup> participant enrolled – 3<sup>rd</sup> Sep 2020  
23 sites, out of which 22 are continuing participation

# Sites recruitment prior to pause – Feb 2022

Total Recruitment 177

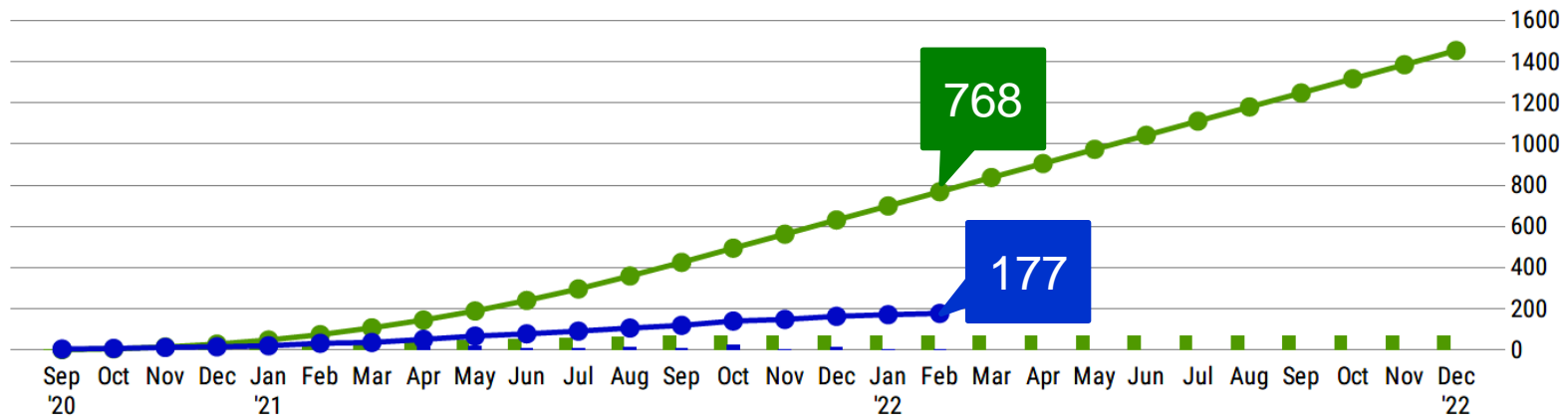




# SurfON prior to recruitment pause – Feb 2022

## Target, actual & projected recruitment, projected for 6 months

Monthly recruitment: ■ Target ■ Actual ■ Projected | Cumulative: —●— Target —●— Actual —●— Projected - - - Projected CI ± 95%



Target monthly recruitment	1	4	9	14	20	26	33	38	44	51	56	63	66	69	68	69	68	69	68	69	69	68	69	68	69	68	69	68	69	68	69	
Actual monthly recruitment	4	3	5	3	5	12	4	15	16	11	13	15	13	21	8	15	8	6														
Projected monthly recruitment																																
Target cumulative total	1	5	14	28	48	74	107	145	189	240	296	359	425	494	562	631	699	768	837	905	974	1042	1111	1180	1248	1317	1385	1454				
Actual cumulative total	4	7	12	15	20	32	36	51	67	78	91	106	119	140	148	163	171	177														
% target	400%	140%	86%	54%	42%	43%	34%	35%	35%	33%	31%	30%	28%	28%	26%	26%	24%	23%														
Projected total 95% CI lower																																
Projected cumulative total																																
Projected total 95% CI upper																																





# Adverse effects of COVID-19 on all research

- During the pandemic, the focus was on COVID-19 related studies
- SurfON had a late start and slow set-up
- Fewer sites than anticipated were opened
- Fewer babies were recruited
- Local capacity & capability issues
- Recovery during summer 2021, but then Omicron variant raised further challenges during winter
- **NIHR Research Recovery and Reset programme\***
  - some studies will need to close in order to support unprecedented challenges facing the delivery of research, following the COVID-19 pandemic
- SurfON currently under review

[\\*https://www.nihr.ac.uk/researchers/managing-research-recovery.htm](https://www.nihr.ac.uk/researchers/managing-research-recovery.htm)



# SurfON recruitment pause – Feb 11 2022

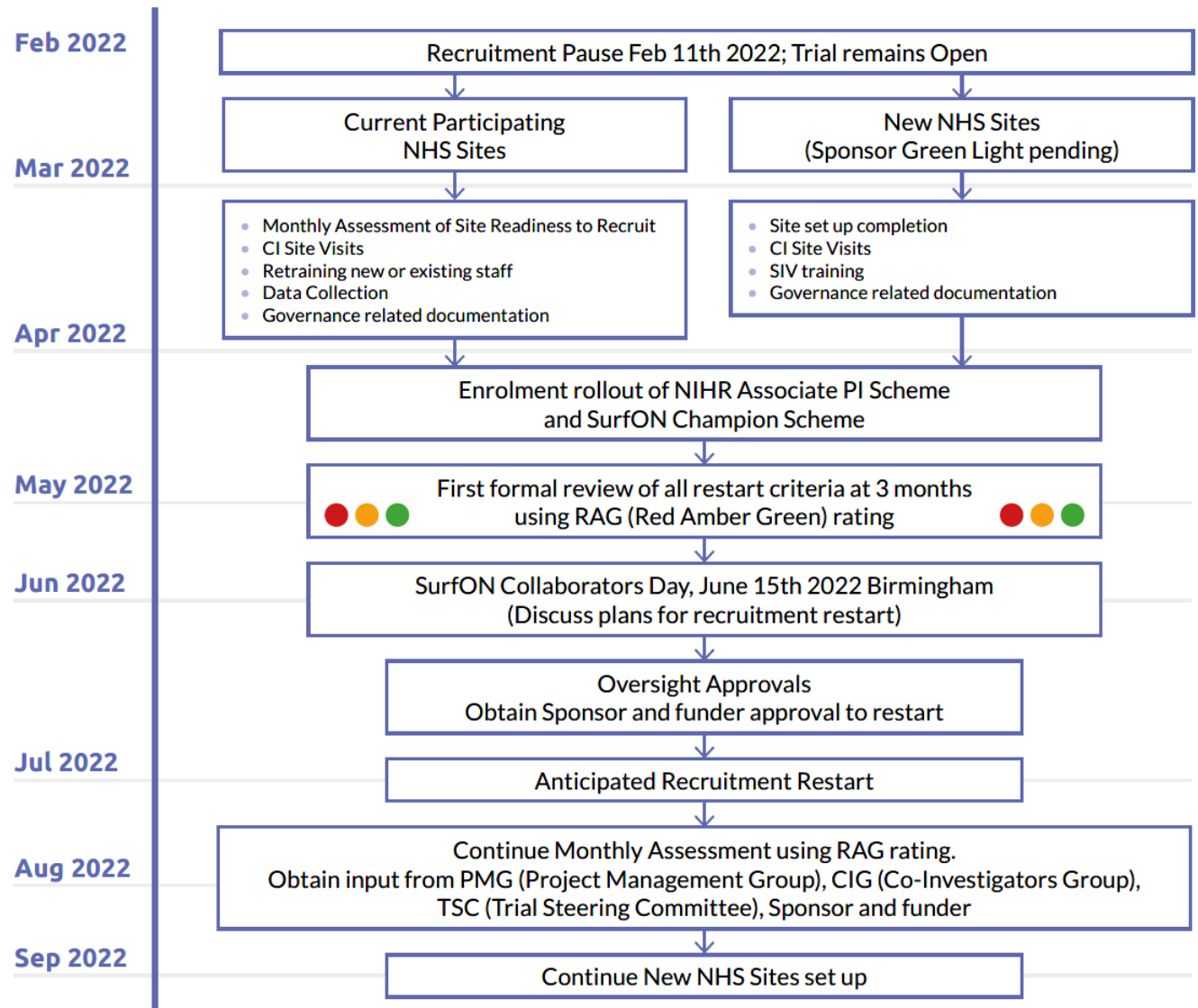


Pause || Reset



## Projected SurfON Recruitment Restart Timeline

*(Pending first formal review in May 2022, updates pertaining to proposed restart will be provided by the SurfON Team)*



# What happened during recruitment pause?

- Face to face and online site visits by the SurfON team
- 11 new sites now close to receiving Sponsor Green Light
- Acceptance on the NIHR Associate PI scheme
- Introduction of SurfON Champion scheme
- Regular site communications and updates in newsletters and emails
- Increased engagement via CRN East Midlands
- Raising awareness of SurfON at national and international conferences
- Optimising the management of respiratory distress in late preterm and early term babies - under peer review, Infant journal
- Understanding recruitment challenges, questions around trial equipoise and exchanging tips





Birmingham Women's



Belfast



SurfON Associate PIs



Imperial

# What are the restart plans?

Planned restart date Monday 4<sup>th</sup> July 2022 (~over 2 weeks away)  
*subject to funder approval*

- Spread awareness about the trial. Display SurfON banner & poster in clinical areas. Use SurfON posters & stickers
- Ensure all essential staff are signed off by PI correctly on SurfON Delegation log
- Ensure sufficient cover during holiday period & away dates for all key members
- mNCA PPP agreement signature & local C&C confirmation
- Substantial Amendment 07 implementation (1<sup>st</sup> July 2022)
- **Protocol V6.0 31 Mar 2022** (PI Protocol sign off)
- Recruiting sites who have previously received Sponsor Green Light will have to complete [Sponsor Pandemic File Note](#) indicating start date at the site (similar to the File Note completed at pause) before recruitment can take place
- New sites will receive [Sponsor Green Light](#) before recruitment can take place
- Formal NIHR review at 3 months post restart (predicted 4<sup>th</sup> October 2022)



What is the minimum recruitment target once we restart?

**1-2 Babies Per Month Per Site**



Baby Zachary with kind permission from his parents



# How do we achieve this?



We are looking for SurfON Champions to help us recruit at least **1 Baby Per Month** at every site

Could YOU be our local Champion?





# The Challenge Ahead





# Thank you for listening

## Any Questions?



Tweet about your time at SurfON Collaborators Day! Please use [#surfontrial](https://twitter.com/SurfONtrial)  
[@SurfONtrial](https://twitter.com/SurfONtrial) <https://twitter.com/SurfONtrial>

# Babies Who Missed the Wave!

**Marie Hubbard, UHL, June 15 2022**



The Leicester Experience

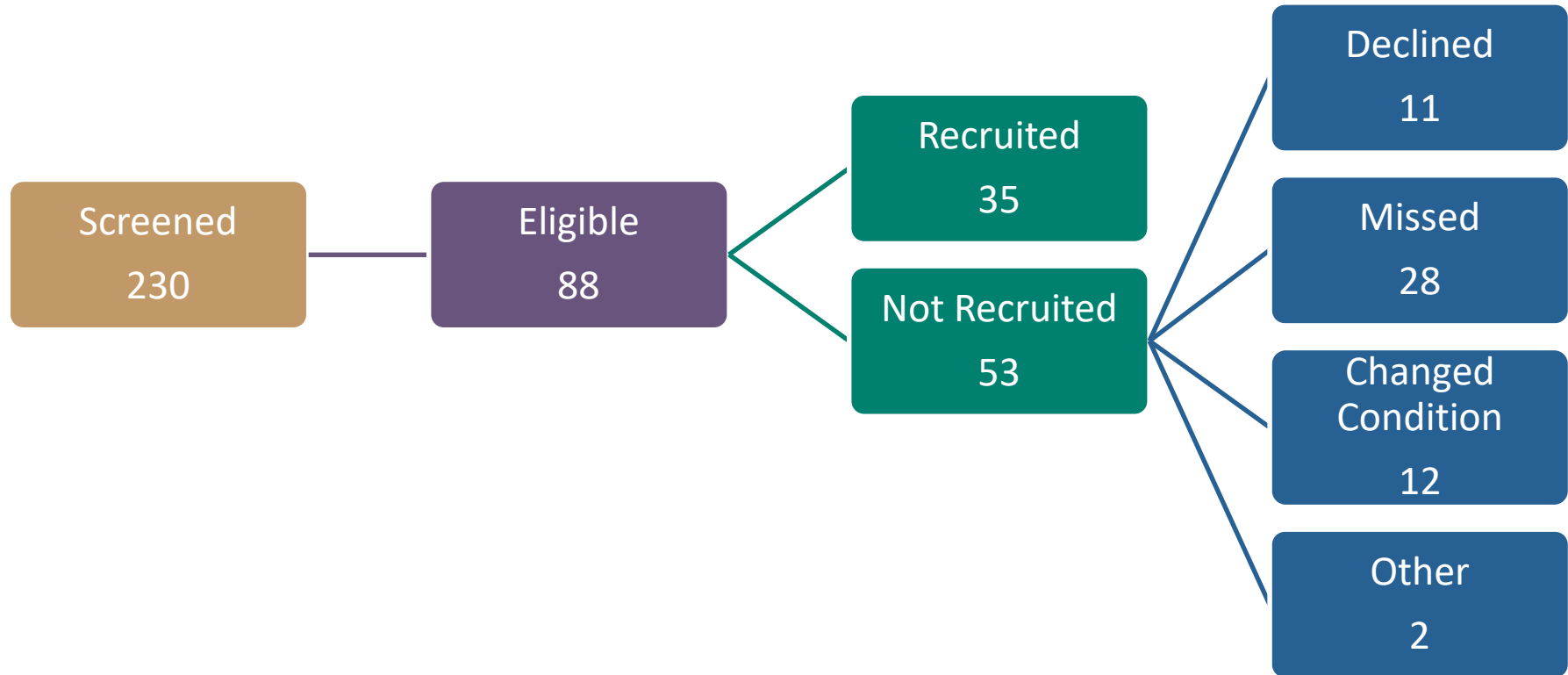
3 Case Studies

Discussion



# The Leicester Experience

(data to Jan 2022)



**Declined**  
11

Late Preterm 5  
Early Term 6

CPAP  
2-72 hours

Intubated  
5

Total  
215 hours

Mean  
19 hours

LISA  
1 at 40 hours

Ventilated 3  
hours  
1

Ventilated 2-4  
days  
3

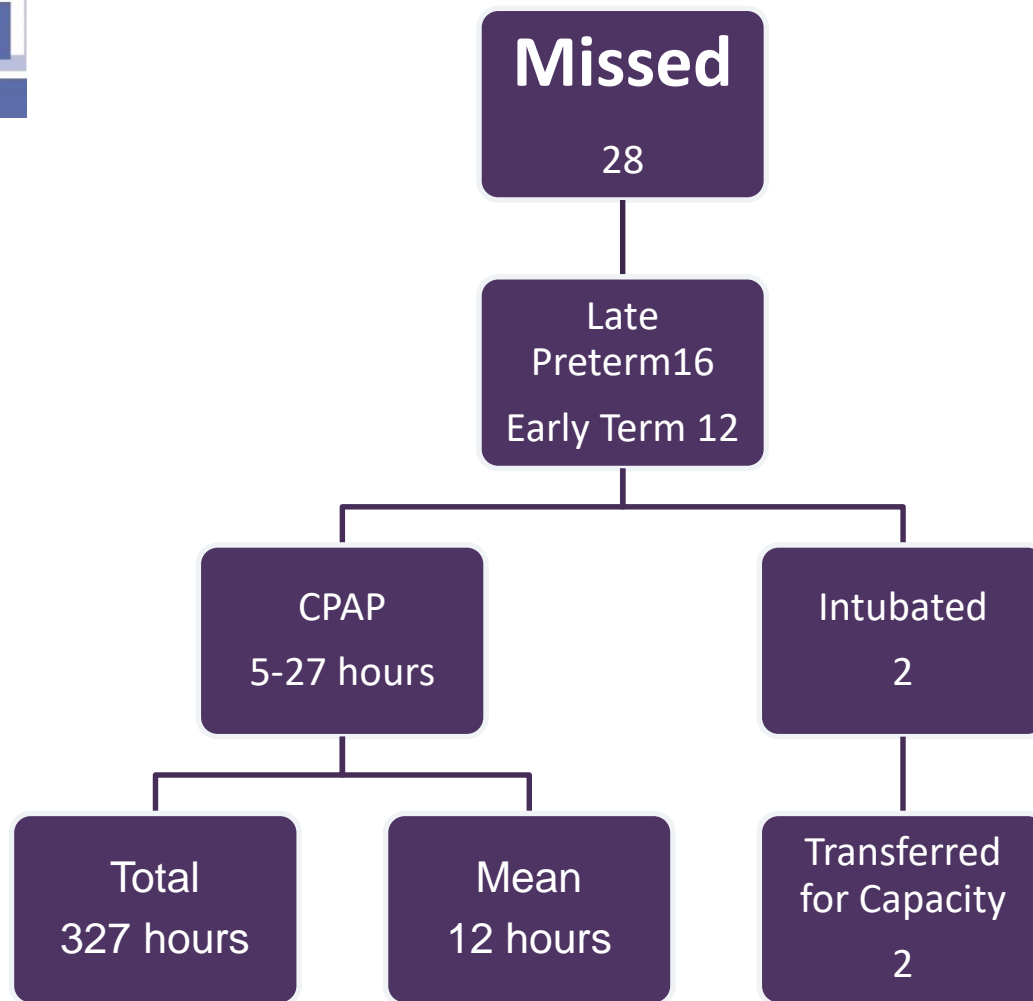
**LOS**

3-11 days (NNU and PNW)

78 days total

Mean 7 days





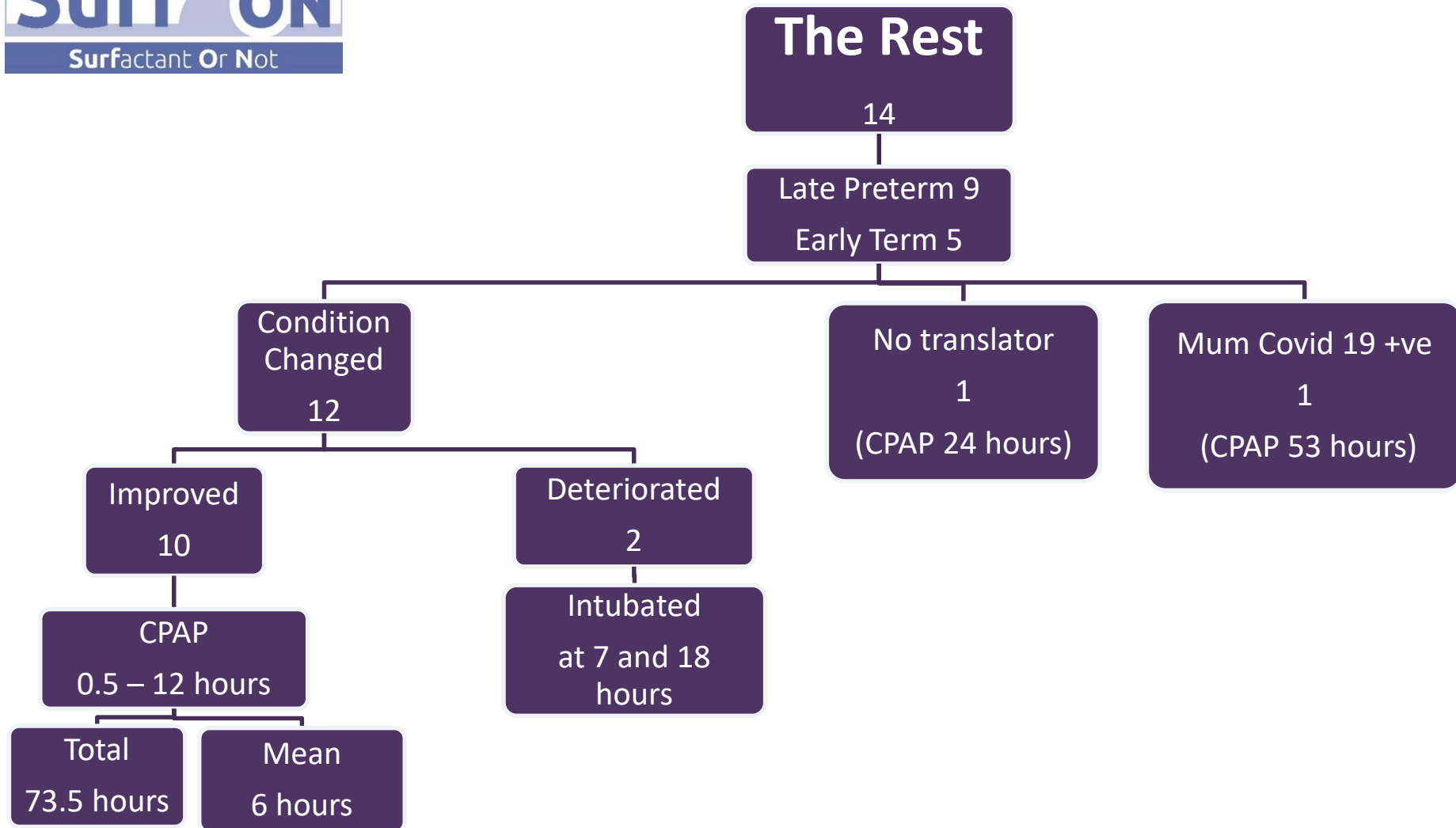
**LOS**

2-19 days (NNU and PNW)

193 days total

Mean 7 days





**LOS**

3-11 days (NNU and PNW)

83 days total

Mean 7 days





## Case Study 1 - Declined

- 35+5 weeks
- 2.6kg
- SROM < 18 hours SVD
- Primip Nil of note medically
- Respiratory distress within 20 mins of age
- Admitted at 45 mins of age – ongoing respiratory requirement – to High Dependency



# Case Study 1 – Presentation

- 30-40% Incubator Oxygen
- Sats 85-90%
- Grunting and reccessing; tachypneic
- Other observations okay
- Blood gases acceptable
- NBM in view of respiratory status



## Case Study 1 - Outcome

- 7 hours of age
  - in 40% Oxygen
  - X-ray showed RDS
  - Respiratory distress on-going
- Commenced CPAP 6-7cm H<sub>2</sub>O Oxygen 27-32%
- Surfactant discussed on ward round – hold off
- Continued to deteriorate
  - Gases worsening
  - RR 120 a minute



## Case Study 1 – Outcome cont.

- Intubated at 23 hours (too unstable to move to ITU prior to intubation)
- Curosurf Administered at 25 hours of age
- Commenced morphine infusion
- 2<sup>nd</sup> dose of Curosurf at 37 hours of age
- Dopamine and Atracurium also commenced
- Intubated for 2 days; High Flow for 2 days
- LOS 9 days



## Case Study 2 - Missed

- 37+0 weeks
- 3.7 kg
- EMCS for maternal reasons
- 1 dose Dexamethasone prior to delivery
- Pethidine, Dihydrocodeine, Oromorph and Buscopan prior to delivery for pain management
- Well at birth then apnoeic at 5 mins of age
- Admitted at 20 mins of age on CPAP and with respiratory distress – Intensive Care



## Case Study 2 - Presentation

- CPAP from delivery suite
- 40% Oxygen weaned to 24% on admission
- Sats High 90's%
- Grunting; Increased work of breathing
- Other observations okay
- Gases not improving (OA pH 7.12; CO<sub>2</sub> 10.2)
- NBM as no colostrum available



## Case Study 2 - Outcome

- X-ray done *at 2 hours* showed TTN
- Parents not approached as baby would be transferred out if remained on CPAP
- Intubated around 9 hours of age for transfer
- Surfactant *not* given
- Intubated for 1 day and High Flow for 1 day
- LOS 4 days



## Case Study 3 – Not Eligible?

- 37+3 weeks
- 3.2kg
- Induced - LGA; Vaginal delivery
- T2DM
- Well at birth
- Admitted at 3 hours of age - failed oximetry on PNW – to Special Care





## Case Study 3 - Presentation

- 26-32% Incubator Oxygen
- Sats Low 90's
- Tachycardic; Tachypneic
- Pyrexial 38.2°C (Environmental?)
- 2 hourly blood gases then 6 hourly
- 3 hourly bottle feeds changed to NGT in view of low sats (NBM by shift change)



## Case Study 3 - Outcome

- 18 hours of age
  - In 50% incubator oxygen
  - Increased work of breathing
- Transferred to ITU
  - Intubated and given surfactant
- Extubated to air after 12 hours, but then onto CPAP (as not coping) for 36 hours
- LOS 6 days





# Thank you for listening

## Any Questions?



@SurfONtrial <https://twitter.com/SurfONtrial>  
#surfontrial



Bedfordshire Hospitals  
NHS Foundation Trust

# SURFON TRIAL; Success and Challenges. Experience of a single recruiting site.

Doris Iyamabo

Principal Investigator

Luton and Dunstable Hospital

# Site Information

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SIV :14<sup>th</sup> January 2021

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Site given the green light 19<sup>th</sup>  
March 2021

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Number of participants recruited  
before recruitment pause: 28



# Site Success

- Delegate team; strong delegate team with lots of enthusiastic trainees
- Certificate and gift for the highest recruiter every month
- Awareness raised at departmental monthly research meetings; opportunity for the PI to provide education, answer questions and encourage more participation



- Research nurse and PI attend daily handovers and safety briefings to hear about potential participants so we approach as soon as possible.
- Delegates and the neonatal team encouraged to approach early as soon as an eligible participant is admitted to offer the patient information leaflet and a delegate will return to have a chat and obtain informed consent.
- PI always available on the phone to answer delegate questions and confirm eligibility of potential participants.



# Challenges

- Attending Clinician interpretation on eligibility criteria
  - The PI and delegate use opportunities when there may be queries to discuss with the attending clinician and team.
- Missed opportunities to recruit if no delegate available.





# On site reopening....

- Signed up to the Associate PI Scheme
  - Associate PI Samantha Sadoo Neonatal Trainee
- SURFON Champion
  - Julie Bermejo NICU ANNP
  - More champions encouraged.



# Questions ?



Bedfordshire Hospitals  
NHS Foundation Trust

**T H R I V E**

*Teamwork Honesty & openness Respect Inclusivity Valuing people Excellence*





# “MY EXPERIENCE AS A RESEARCH NURSE”

Helen Harizaj  
Medway NHS Foundation Trust  
15<sup>th</sup> June 2022

# Biography

## Work Life

- Qualified as a paediatric nurse in 2003 Canterbury Christ Church University College
- 2003-2007 Neurology and Metabolic Ward, plus General Medicine at The Evelina Children's Hospital
- 2007 Neonates Medway NHS Foundation Trust
- 2008 Qualified in Speciality in Neonatal ITU
- 2014 – Present Neonatal Research Nurse at Medway NHS Foundation Trust

## Personal Life

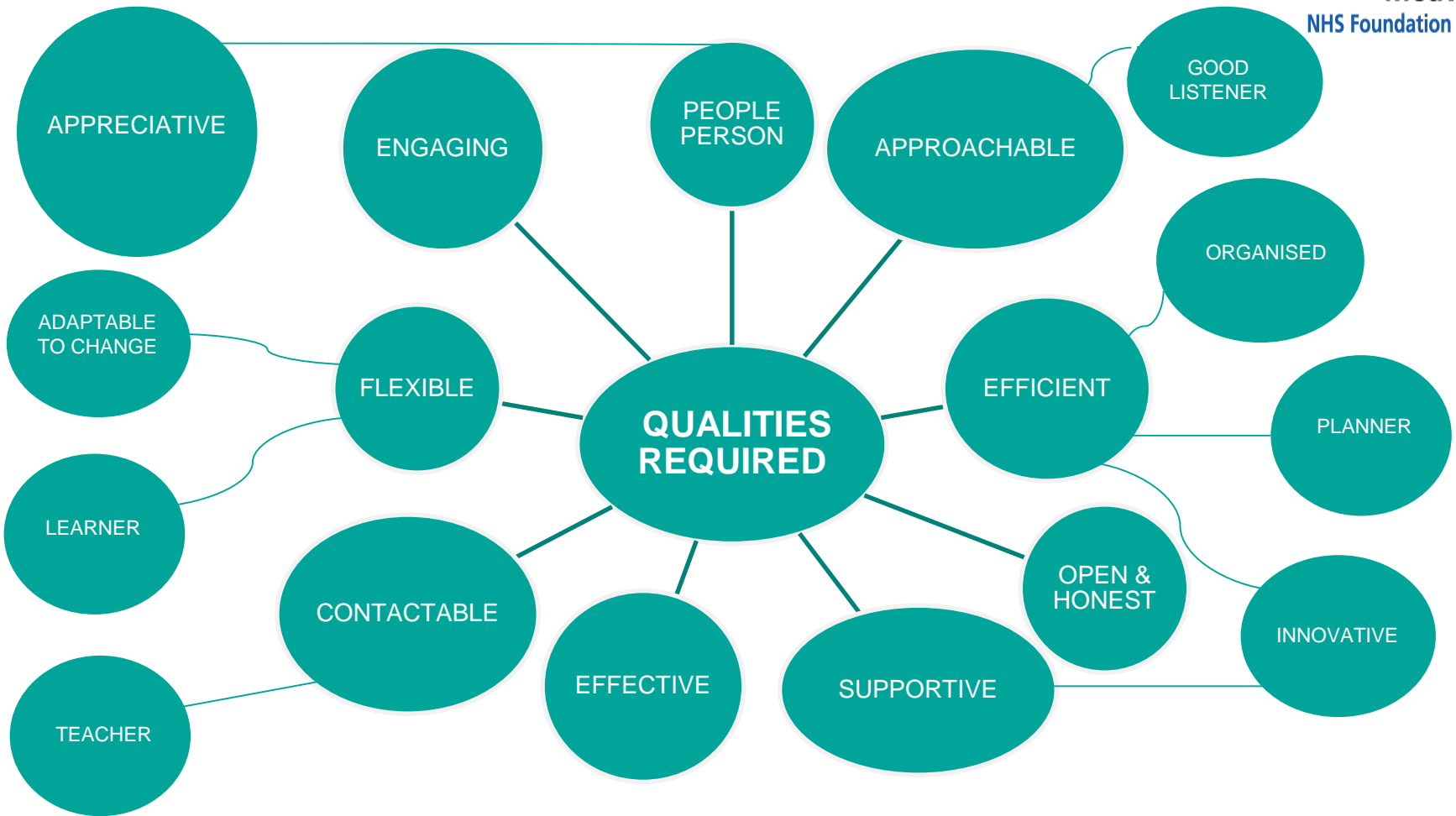
- Avid Runner, currently training for the London Marathon in October 2022
- Cooking
- Retail Therapy
- Sunshine

# Bridging The Gap

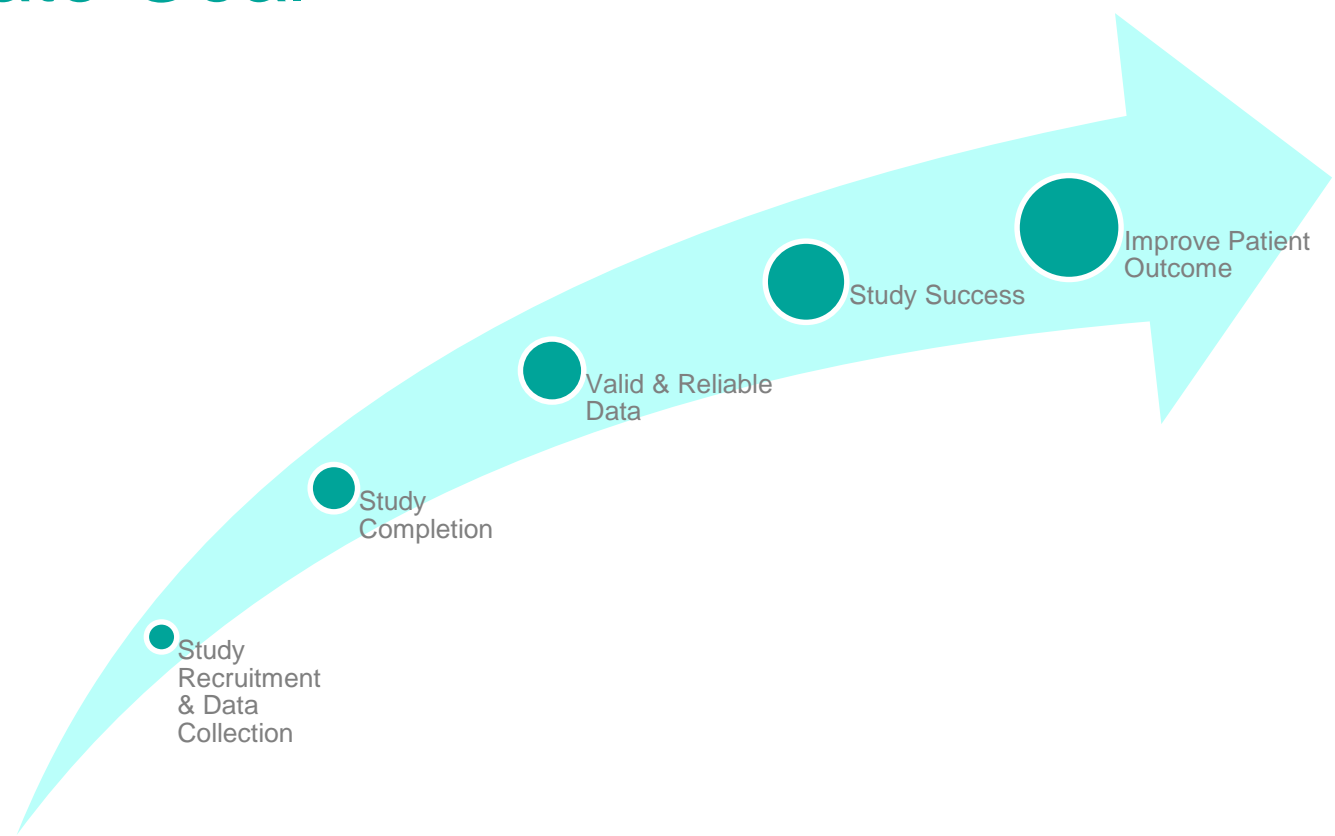
Research

Practice





# Ultimate Goal



# Key to Study Success

1. Collaboration with all parties
2. Engagement of Staff
3. Manage expectations
4. Study specific training/GCP





# Top Tips

- Research on your doctors induction programme
- Bimonthly research meetings
- Research on agenda at weekly grand rounds
- Research on agenda at unit governance meetings
- Ways to engage staff
  - Top recruiter for the week - chocolates
  - Top recruiter for the month – bottle of wine
- Research What's App Group – for NICU team
- Individual Recruitment Packs

# Still Learning

- We continue to learn and face new challenges
- At Medway we have recently moved over to Badger EPR
- More patients eligible than approached for SurfON
- Next Steps for SurfON @ Medway...

# Key Message

- If admitting a patient for RDS or signs of RDS between 34+0-38+6 wks
- Consider SurfON



Recruitment Hints  
& Tips



Think SurfON  
Poster



Think SurfON  
Poster (2)

Be a PART OF RESEARCH  
Be a LIFE CHANGER

WE SUPPORT STUDIES

RESEARCH COUNTS  
Be PART OF BETTER TREATMENTS

# RESEARCH AND INNOVATION CHANGES LIVES

across a large number of clinical specialities here at Medway Hospital

RESEARCH MATTERS  
Be PART OF IMPROVING HEALTH CARE

**NHS**  
**Medway**  
NHS Foundation Trust

RESEARCH DELIVERS  
Be HOPE FOR FUTURE generations

Any Questions?

## THANKYOU

Evidence suggests that hospitals participating in research demonstrate improved patient outcomes and we are proud that Medway NHS Foundation Trust is a research active organisation

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Medway Hospital supports research in many areas:

- Cardiovascular Research
- Diabetes Research
- Genetics Research
- Immunology Research
- Intensive Care Research
- Neurology Research
- Paediatrics Research
- Public Health Research
- Respiratory Research
- Surgical Research
- Translational Research

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- Public Health Research
- Respiratory Research
- Surgical Research
- Translational Research

Best of care  
Best of people

Our Medway