

OPAT Community and Outcomes: The OPAT Service Directory and National Outcomes Registry

BSAC OPAT REGIONAL WORKSHOP
25/05/18, Manchester
Dr Carlyne Horner, BSAC

OPAT Community and Outcomes:
The OPAT Service Directory *and*
National Outcomes Registry



OPAT SERVICE DIRECTORY

THE OPAT SERVICE DIRECTORY AIMS TO PROVIDE A COMPREHENSIVE OVERVIEW OF OPAT SERVICES AND KEY PERSONNEL WITHIN THE UNITED KINGDOM AND IRELAND.

CURRENT NUMBER OF CENTRES/SERVICES: **27**

PLEASE SUBMIT DETAILS OF YOUR SERVICE BELOW

SUBMIT YOUR SERVICE FOR INCLUSION TO THE SERVICE DIRECTORY

SIGN UP TO SUBMIT A SERVICE ▶

LOGIN TO UPDATE A SERVICE ▶

YOU ARE INVITED TO ENTER DATA INTO THE BSAC NATIONAL OUTCOMES REGISTRY SYSTEM (NORS) FROM THIS SITE

ENTER DATA INTO NORS ▶

SEARCH FOR A SERVICE USING THE SEARCH BAR OR BY THE FILTERS BELOW

Search

SEARCH ▶

<http://e-opat.com/service-directory-list>

SUBMIT YOUR SERVICE

LOGOUT



TITLE *

SERVICE TYPE *

Primary care



IF OTHER PLEASE STATE

Fill in ONLY if 'Service type' is set to 'O'

REGION *

Aberdeen and Grampian



IF OTHER PLEASE STATE

Fill in ONLY if 'Region' is set to 'Other'

PRIVATE OR NHS *

Private



DELIVERY OF SERVICE *

Community Nurse (NHS)



IF OTHER PLEASE STATE

Fill in ONLY if 'Delivery of Service' is set to 'Other'

PLACE OF OPAT DELIVERY *

Hospital ambulatory care



INTERESTED IN PARTAKING IN AUDIT / RESEARCH *

Yes



LOCAL LEAD

Complete if applicable

LOCAL LEAD CONTACT PHONE NUMBER

LOCAL LEAD CONTACT EMAIL



BRADFORD TEACHING HOSPITAL NHS FOUNDATION TRUST

**SERVICE TYPE**

Hospital site

REGION

Yorkshire and the Humber

PRIVATE OR NHS

NHS

DELIVERY OF SERVICE

Other Virtual Ward Team

PLACE OF OPAT DELIVERY

Patient home

INTERESTED IN PARTAKING IN AUDIT RESEARCH

Yes

HOW TO REFER

Any referral has to be through the Infectious Diseases Team. Patients are then referred either to Virtual Ward for home treatment or to the Ambulatory Care Unit for daily infusions.

INCLUSION / EXCLUSION CRITERIA

Once daily iv antibiotic regimens allowed only. If treatment is longer than 1 week patient should have a PICC line before discharge. Patients need to be medically fit for discharge and able to attend for daily infusion if treatment will be on Ambulatory Care Unit. Access to ACU for review is guaranteed in case of any issues when patient receives treatment at home.

LOCAL LEAD

Dr Riccardo Giuntini

01274382248


riccardo.giuntini@bthft.nhs.uk

DAYS HOURS OF OPERATIONMonday: [0800 - 1700](#)Tuesday: [0800 - 1700](#)Wednesday: [0800 - 1700](#)Thursday: [0800 - 1700](#)Friday: [0800 - 1700](#)Saturday: [0800 - 1300](#)Sunday: [0800 - 1300](#)


SEARCH FOR A SERVICE USING THE SEARCH BAR OR BY THE FILTERS BELOW


SERVICE TYPE

PRIVATE OR NHS

DELIVERY SERVICE

PLACE OF OPAT DELIVERY

INTERESTED IN AUDIT / RESEARCH

REGION

ACUTE CARE AT HOME TEAM



BRADFORD TEACHING HOSPITAL NHS FOUNDATION TRUST



BUCKINGHAMSHIRE NHS OPAT



CALDERDALE OPAT SERVICE



Service Directory in Action!



Can BSAC sort
out daily
antibiotics?

OPAT SERVICE DIRECTORY

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COMPREHENSIVE OVERVIEW OF OPAT SERVICES
AND KEY PERSONNEL WITHIN THE UNITED KINGDOM
AND IRELAND.



*OPAT Community and Outcomes:
The OPAT Service Directory and
National Outcomes Registry*

The National OPAT Outcomes Registry

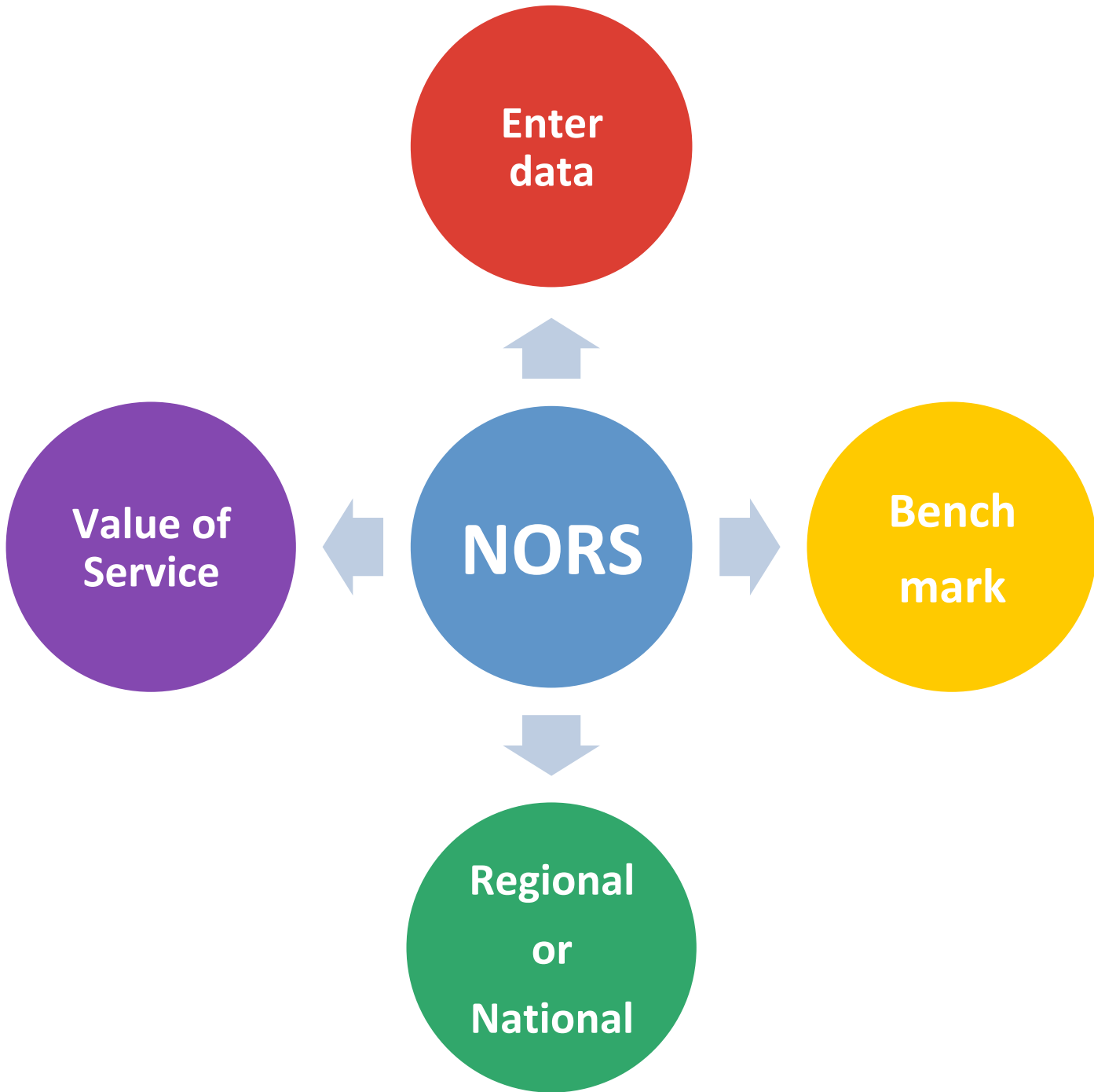
Provides the most comprehensive
overview of OPAT service provision
across the UK & Ireland

<http://opatregistry.com/>

Free of
charge

Accessible

Easy to
use



NORS Data

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graph TD; A[NORS Data] --- B[Support Service Expansion]; A --- C[Improve stewardship]; A --- D[Shared Learning]; A --- E[Improve patient outcomes];
```

**Support Service
Expansion**

**Improve
stewardship**

**Shared
Learning**

**Improve
patient outcomes**

Login

Email

Password

ENTER



[Forgot password?](#)

Not registered?

REGISTER



The National OPAT Outcomes Registry



ADULT

9874 Episodes

141665 Total Treatment Days Saved

724 Adverse Reactions

PAEDIATRICS

242 Episodes

2475 Total Treatment Days Saved

20 Adverse Reactions

Welcome to the recently enhanced BSAC OPAT National Outcomes Registry System (NORS).

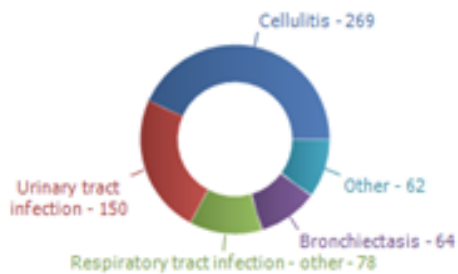
NORS is part of the BSAC OPAT Initiative and provides the most comprehensive picture of OPAT Service provision in the UK & Ireland. For more information visit: e-OPAT.com

NORS offers an overview of the number of OPAT Services in the UK and Ireland, including models of service, number of patients discharged from OPAT Services, treatment days saved and other vital audit data such as OPAT Outcomes and the most commonly used antimicrobial agents. All data submitted to NORS is **anonymous and does not contain patient identifiable information**. NORS correlates reports and data from all submitting OPAT Services.

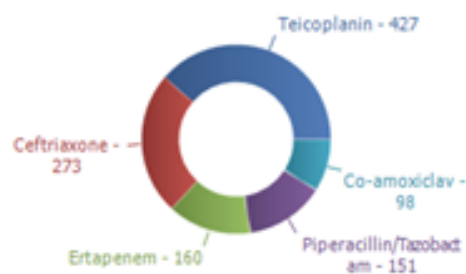
To add quarterly data click on "+ADD NEW QUARTERLY DATA" in the blue panel to the left

	Current Year	Overall
Episodes	0	1014
Treatment Days	0	14316
Adverse Reactions	0	5
OPAT Success	0	816
OPAT Partial	0	50
OPAT Failure	0	99
OPAT Indeterminate	0	47

Top 5 PIDs by episode



Top 5 Antimicrobials



Top 5 Adverse Reactions



Add, edit & review data

- DASHBOARD
- ADD NEW QUARTERLY DATA**
- RECORD 6-MONTH INFECTION OUTCOMES
- REPORTS
- CONTACT SUPPORT
- SETTINGS
- ADMIN
- COLLAPSE MENU

Quarterly Data Entry

Quarter Start Date	Year	Quarter	Summary Section Status	Pid Section Status	Adr Section Status	Abx Section Status	
01/10/2017	2017	2017 Q4	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/07/2017	2017	2017 Q3	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/04/2017	2017	2017 Q2	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/01/2017	2017	2017 Q1	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/10/2016	2016	2016 Q4	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/07/2016	2016	2016 Q3	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/04/2016	2016	2016 Q2	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/01/2016	2016	2016 Q1	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/10/2015	2015	2015 Q4	Confirmed	Confirmed	Confirmed	Confirmed	Review
01/07/2015	2015	2015 Q3	Confirmed	Confirmed	Confirmed	Confirmed	Review

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Quarterly Data Entry - 6 month outcomes

[Help](#)

Quarter Start Date	Year	Quarter	Six Month Status	
01/10/2017	2017	2017 Q4	Not Started	
01/07/2017	2017	2017 Q3	Not Started	
01/04/2017	2017	2017 Q2	Not Started	Edit/Review
01/01/2017	2017	2017 Q1	In Progress	Edit/Review
01/10/2016	2016	2016 Q4	Not Started	Edit/Review
01/07/2016	2016	2016 Q3	Not Started	
01/04/2016	2016	2016 Q2	Not Started	
01/01/2016	2016	2016 Q1	In Progress	Edit/Review
01/10/2015	2015	2015 Q4	Not Started	Edit/Review
01/07/2015	2015	2015 Q3	Not Started	Edit/Review
01/04/2015	2015	2015 Q2	Not Started	Edit/Review
01/01/2015	2015	2015 Q1	Not Started	Edit/Review

Data Comparisons

- Number of patient episodes
- Number of treatment days saved
- Antimicrobial agents used
- Infection Outcomes:
Cured, Improved, Failed
- OPAT Outcomes:
Success, Partial, Failed, Indeterminate

NORS Reports

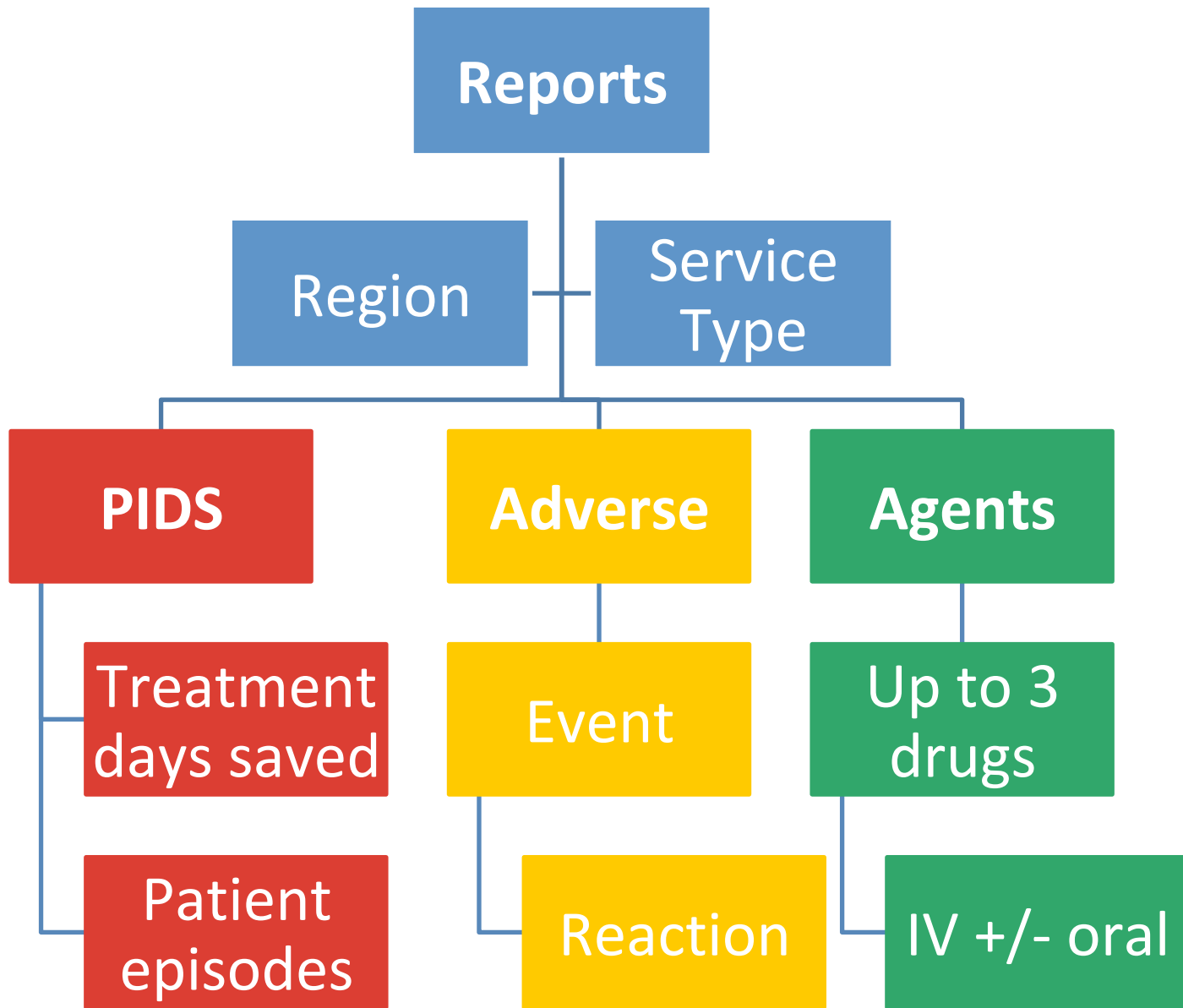
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graph TD; A[NORS Reports] --- B[Flexible]; A --- C[Build]; A --- D[Excel download]; A --- E[Large amounts];
```

Flexible

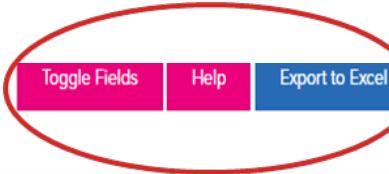
Build

**Excel
download**

**Large
amounts**



PID Report



Toggle Fields

Help

Export to Excel

Primary Infective Diagnosis

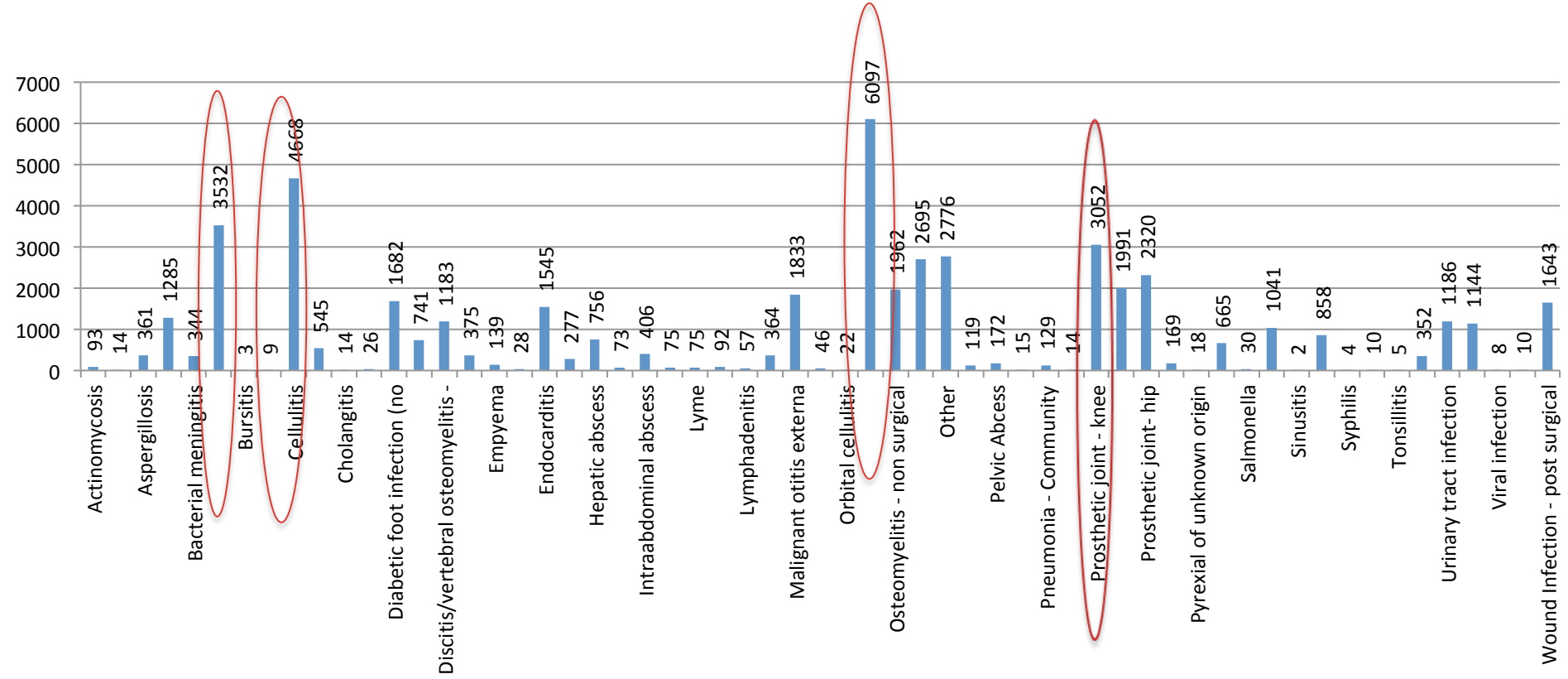
Page 1 of 7 (148 Items) 1 2 3 4 5 6 7

Region Service Type Host Organisation

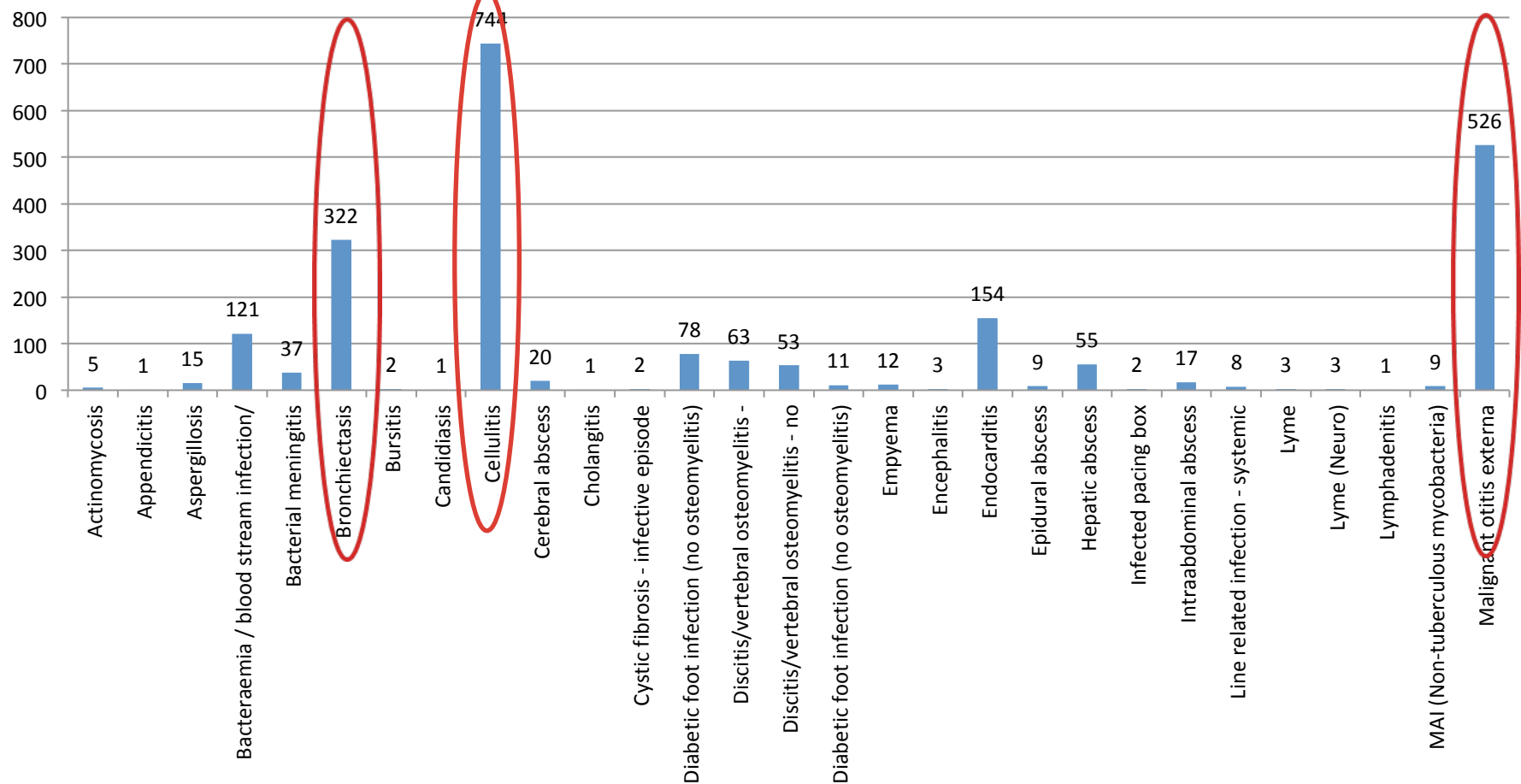
Total Treatment Days Saved Episodes Count Year Quarter

Service	2015								2015 Total		2016								2016 Total		2017	
	Q1 2015		Q2 2015		Q3 2015		Q4 2015		Total Treatment Days Saved	Episodes Count	Q1 2016		Q2 2016		Q3 2016		Q4 2016		Total Treatment Days Saved	Episodes Count	Q1 2017	
	Total Treatment Days Saved	Episodes Count	Total Treatment Days Saved	Episodes Count	Total Treatment Days Saved	Episodes Count	Total Treatment Days Saved	Episodes Count			Total Treatment Days Saved	Episodes Count	Total Treatment Days Saved	Episodes Count	Total Treatment Days Saved	Episodes Count	Total Treatment Days Saved	Episodes Count				
Service Name 1	579	21	381	15	310	14	436	18	1706	68	551	20	553	21	1030	35	415	25	2549	101	483	29
Service Name 2	1107	54	1340	68	845	54	964	45	4256	221	708	32							708	32	1299	48
Service Name 3																						
Service Name 4																						
Imperial College Healthcare NHS Trust Adult OPAT Service	892	40							892	40												
Service Name 1	1107	54	1340	68	845	54	964	45	4256	221	708	32							708	32	1299	48
Bacteraemia / blood stream Infection/ Septicaemia	85	7	59	5	64	5	34	2	242	19	91	5							91	5	36	1
Bacterial meningitis	38	3	1	1	4	1			43	5												
Bronchiectasis			7	1					7	1												
Candidiasis			35	2					35	2												
Cellulitis							4	1	4	1												
Cholangitis	4	1	5	1					9	2												
Cytomegalovirus					11	1			11	1	25	1							25	1		
Diabetic foot infection (no osteomyelitis)																						
Discitis/vertebral osteomyelitis - metalwork	2	1	26	1	29	1			57	3												
Discitis/vertebral osteomyelitis - no metalwork											75	4							75	4	33	1
Empyema			30	3	35	2	40	4	105	9											24	2
Endocarditis	77	4			29	2	26	2	132	8	29	1							29	1	71	4
Epidural abscess																					11	1
Hepatic abscess					14	1	23	1	37	2	36	2							36	2		

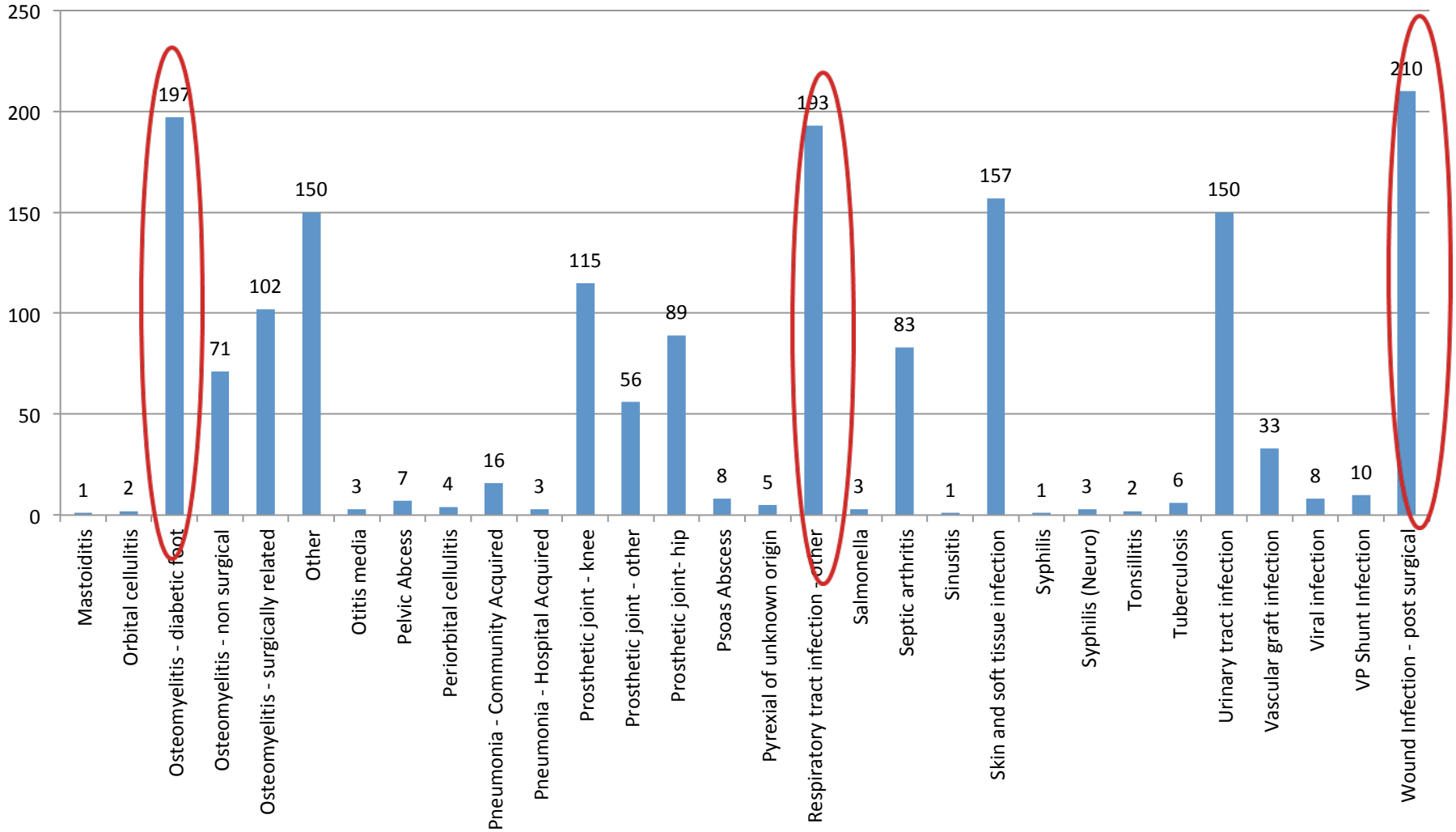
Number of Treatment Days Saved by PID (2017)



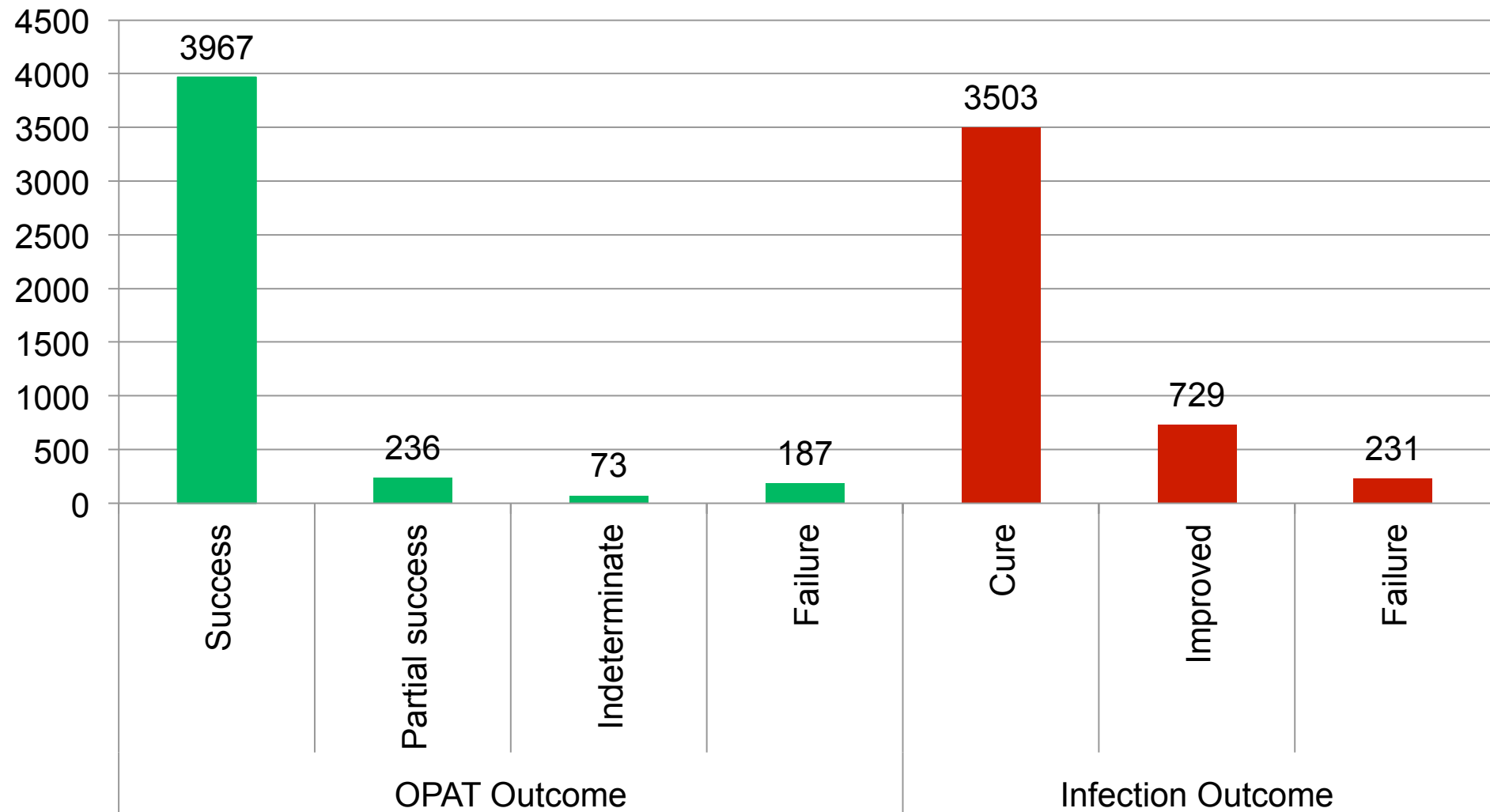
Number of Patient Episodes by PID (2017): A-M list



Number of Patient Episodes by PID (2017): M-Z list



OPAT & Infection Outcomes (2017)



Adverse Reactions Report

Adverse Reactions

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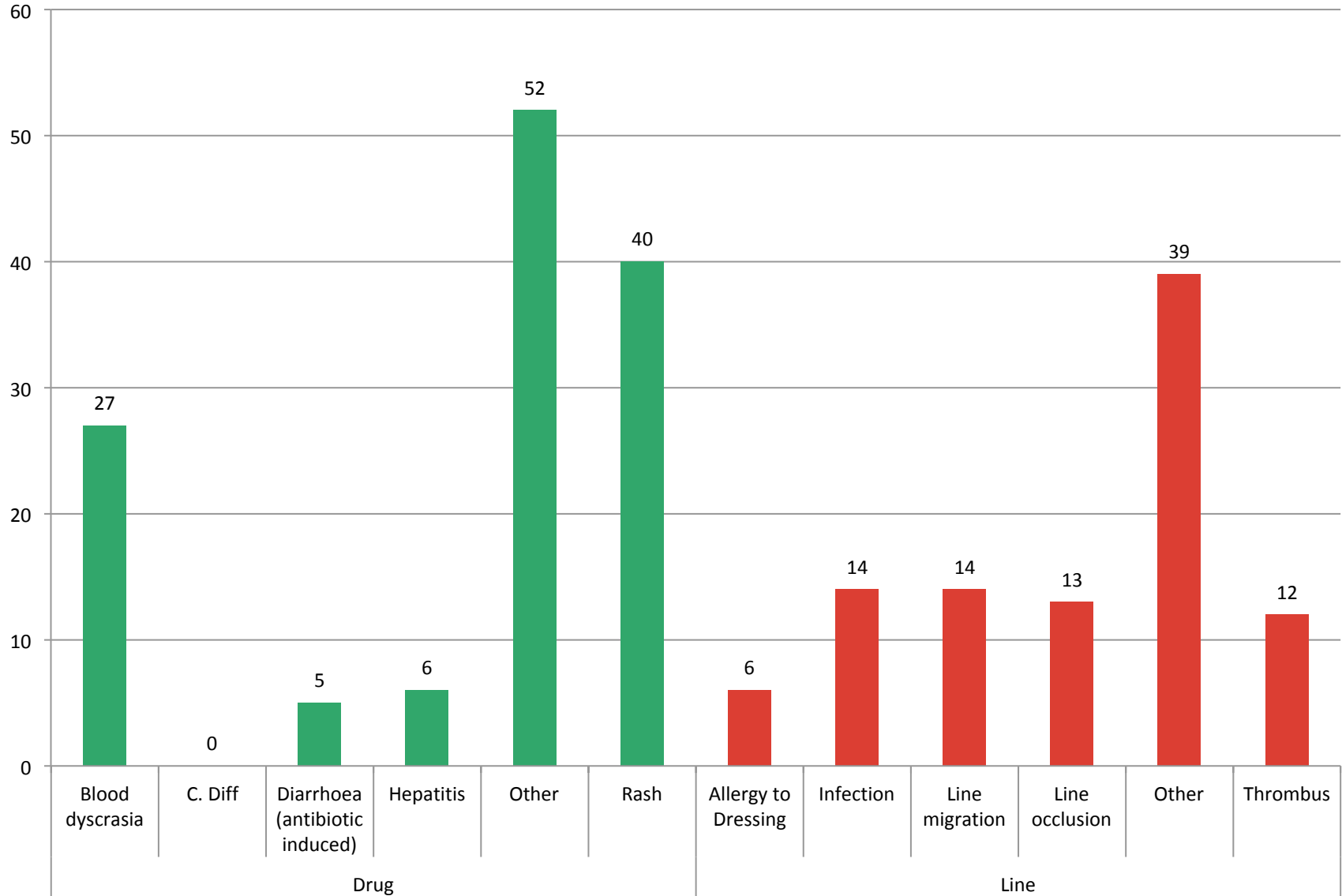
Region Service Type Host Organisation

Total Event Count Year Quarter

Service Reaction Type Reaction

Service Name	2015					2015 Total	2016				2016 Total	2017				2017 Total	Grand Total
	Q1 2015	Q2 2015	Q3 2015	Q4 2015	Q1 2016		Q2 2016	Q3 2016	Q4 2016	Q1 2017		Q2 2017	Q3 2017	Q4 2017			
Drug Total	5	6	5	6	22	2				2	9	6			15	39	
Blood dyscrasia			2	2	4							2			2	6	
Diarrhoea (antibiotic induced)	1				1											1	
Hepatitis	1				1						2				2	3	
Other	1	1	1	2	5											5	
Rash											1	1			2	2	
Line Total	2	3	2	4	11	2				2	8	1			9	22	
Allergy to Dressing				1	1											1	
Line migration	1				1											1	
Line occlusion	1			3	4						3				3	7	
Other		3	1		4						1				1	5	
Thrombus			1		1	2				2	4	1			5	8	

Adverse Reactions Reported (2017)



Antimicrobial Agents Report

Antimicrobials

Toggle Fields Help Export to Excel

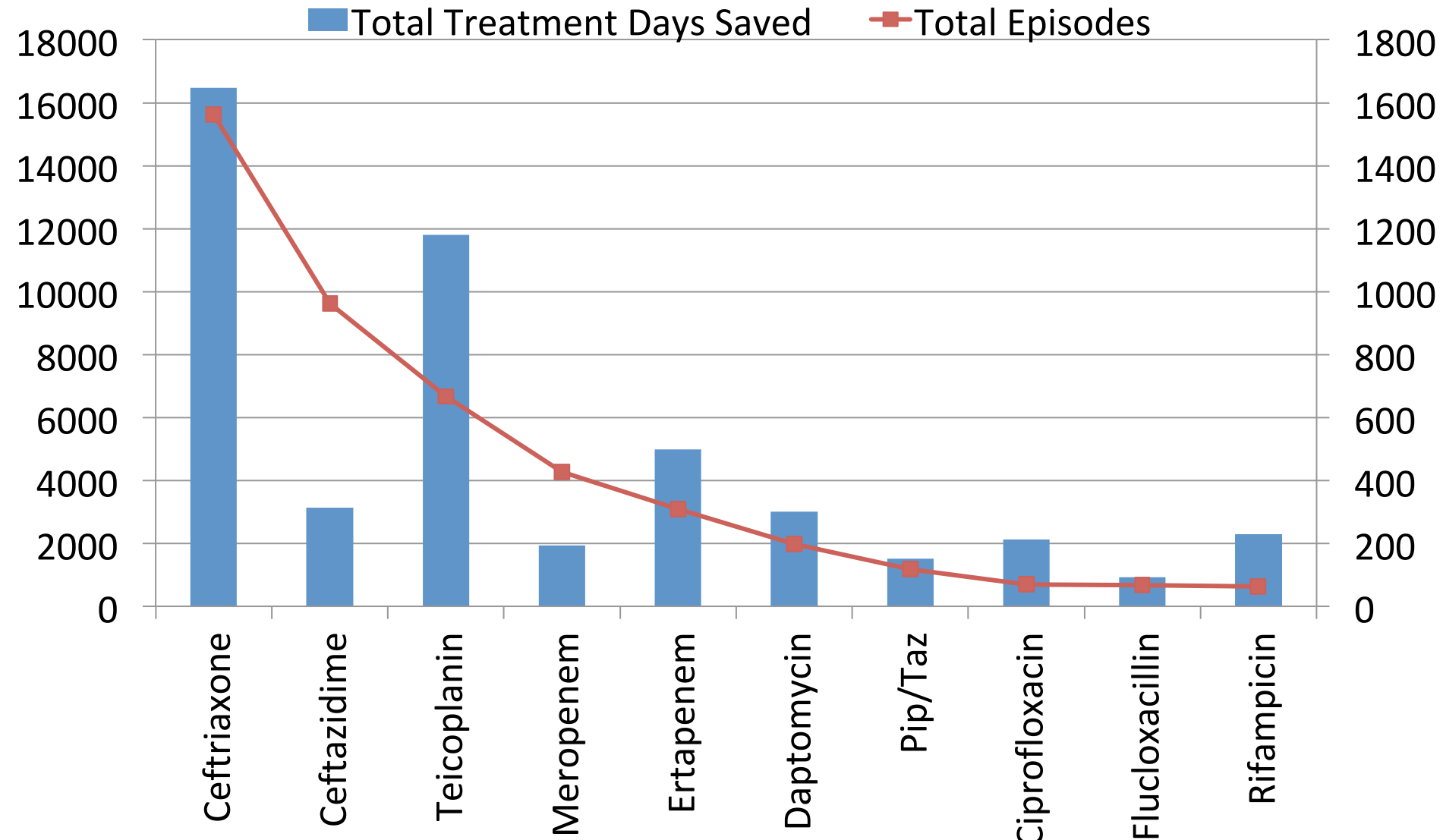
Page 1 of 15 (312 items) 1 2 3 4 5 6 7 ... 13 14 15

Region Service Type Host Organisation

Data Headers Year Quarter

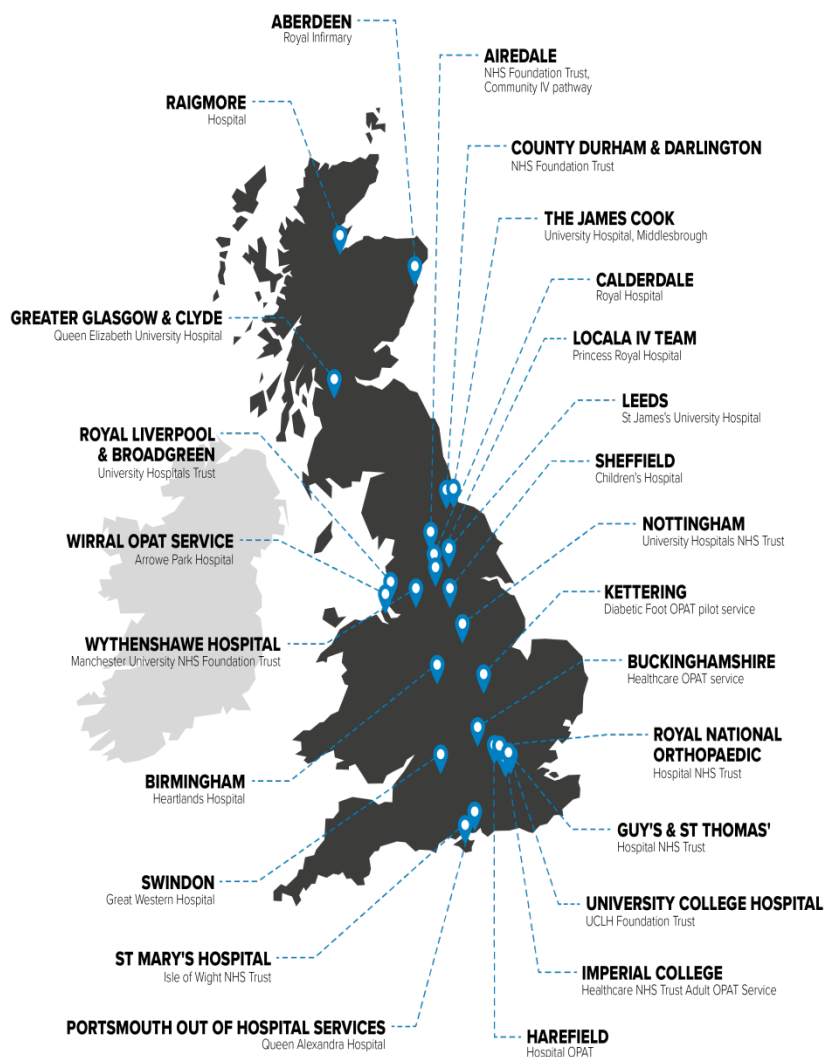
Service Name	2015												2015 Total			2016								
	Q1 2015			Q2 2015			Q3 2015			Q4 2015						Q1 2016			Q2 2016			Q3 2016		
	Qtr Avg Episodes	Total Treatment Days Saved	Episodes	Qtr Avg Episodes	Total Treatment Days Saved	Episodes	Qtr Avg Episodes	Total Treatment Days Saved	Episodes	Qtr Avg Episodes	Total Treatment Days Saved	Episodes	Qtr Avg Episodes	Total Treatment Days Saved	Episodes	Qtr Avg Episodes	Total Treatment Days Saved	Episodes	Qtr Avg Episodes	Total Treatment Days Saved	Episodes	Qtr Avg Episodes	Total Treatment Days Saved	Episodes
Amoxicillin				15	37	1				1	61	1	2.5	98	2									
Amoxicillin + Ertapenem																								
Ceftazidime	75	88	3	2.33	33	1				2	103	2	11.83	224	6									
Ceftazidime + Ciprofloxacin																								
Ceftazidime + Metronidazole																								
Ceftazidime + Teicoplanin																								
Ceftazoxone	25	488	25	34.67	652	40	35.33	463	38	15.17	348	24	10.17	1951	127	24.33	298	14						
Ceftazoxone + Gentamicin																								
Ceftazoxone + Metronidazole																								
Ceftazoxone + Rifampicin + Teicoplanin																								
Cefuroxime				2	15	2							2	15	2									
Ciprofloxacin				1.67	36	2	5	35	1				6.67	71	3									
Ciprofloxacin + Ertapenem																								
Clindamycin																	3.75	25	2					

Top 10 Antimicrobial Agents (2017)



Combinations	Treatment Days Saved	Episodes
Ceftriaxone	16465	1563
Ceftriaxone + Ciprofloxacin	97	8
Ceftriaxone + Ciprofloxacin + Clindamycin	104	3
Ceftriaxone + Ciprofloxacin + Rifampicin	19	1
Ceftriaxone + Ciprofloxacin + Teicoplanin	28	1
Ceftriaxone + Clindamycin	342	17
Ceftriaxone + Daptomycin	7	1
Ceftriaxone + Ertapenem	20	2
Ceftriaxone + Fusidic Acid	41	1
Ceftriaxone + Gentamicin	8	1
Ceftriaxone + Levofloxacin	29	1
Ceftriaxone + Linezolid	33	1
Ceftriaxone + Metronidazole	159	7
Ceftriaxone + Rifampicin	112	5
Ceftriaxone + Rifampicin + Teicoplanin	12	2
Ceftriaxone + Teicoplanin	35	1

Contributing Services (2017)



For Service Directory enquiries/support:

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- tguise@bsac.org.uk
- +44 (0)121 236 1988

For NORS enquiries/support:

- Felicity Drummond
- Email: OPAT@bsac.org.uk
- Phone: +44 (0)121 236 1988

Acknowledgments



NORS Development & Testing Group

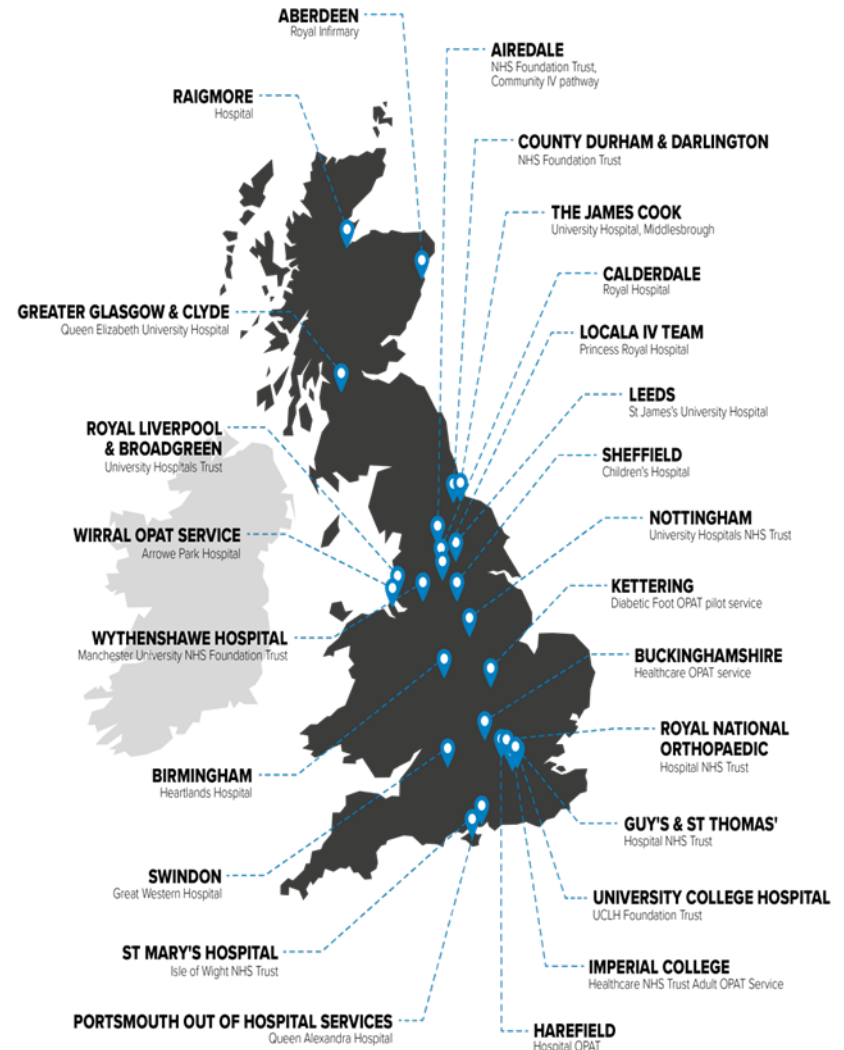
- **Mark Gilchrist:** Imperial College Healthcare NHS Trust & BSAC OPAT Co-chair
- **Carolyn Hemsley:** Guy's & St Thomas' NHS Foundation Trust
- **Matthew Laundry:** St George's University Hospitals NHS Trust
- **Sarah Logan:** University College Hospital
- **Sanjay Patel:** Southampton Children's Hospital
- **Andrew Seaton:** NHS Greater Glasgow and Clyde & BSAC OPAT co-chair
- **Sue Snape:** Nottingham University Hospitals NHS Trust
- **Claire Vallance:** OPAT Greater Glasgow & Clyde

Early Adopters

- Airedale NHS Foundation Trust - **Fiona Throp**
- Buckinghamshire Healthcare Trust - **Marie Woodley**
- County Durham and Darlington NHS Foundation Trust - **Alex Maurer**
- Greater Glasgow & Clyde - **Claire Vallance**
- Guy's and St Thomas' NHS Foundation Trust - **Carolyn Hemsley**
- Heart of England NHS Foundation Trust - **Jo Spicer**
- Isle of Wight NHS Trust - **Mel Stevens & Amanda Wilson**
- Leeds Teaching Hospitals NHS Trust - **Jane Minton**
- Manchester University Foundation Trust - **Elizabeth Wilson**
- Portsmouth Hospitals NHS Trust - **Sydnee Williams**
- Royal Liverpool and Broadgreen University Hospitals Trust - **Ian Byrom**
- South Tees Hospitals NHS Foundation Trust - **John Williams**
- University College London Hospitals Trust – **Sarah Logan**
- Wirral University Teaching Hospital NHS Foundation Trust - **Sharon Bamber**

OPAT Services contributing 2017 data

- **Aberdeen** Royal Infirmary Leeds (Adult, Teaching, Hospital site)
- **Airedale** NHS Foundation Trust (Adult, Teaching, Hospital site)
- Birmingham **Heartlands** Hospital Leeds (Adult, Specialist, Hospital site)
- **Buckinghamshire** Healthcare OPAT service Leeds (Adult, Teaching, Hospital site)
- **Calderdale** Royal Hospital (Adult, Specialist, Primary Care)
- **County Durham and Darlington** NHS Foundation Trust (Adult, Specialist, Hospital site)
- **Great Western** Hospital, Swindon (Adult, Teaching, Hospital site)
- **Guy's and St Thomas'** Hospital NHS Trust (Adult, Teaching, Hospital site)
- **Harefield** Hospital OPAT (Adult, Specialist, Hospital site)
- **Imperial College** Healthcare NHS Trust Adult OPAT Service (Adult, Teaching, Hospital site)
- **Kettering** Diabetic Foot OPAT pilot service (Adult, Specialist, Hospital site)
- **Leeds** (Adult, Teaching, Hospital site)
- **Locala IV Team** (Adult, Specialist, Primary Care)
- **Nottingham** University Hospitals NHS Trust (Adult, Teaching, Hospital site)
- OPAT **Greater Glasgow & Clyde** (Adult, Teaching, Hospital site)
- QA@home **Portsmouth** Out of Hospital Services (Adult, Teaching, Hospital site)
- **Raigmore** Hospital (Adult, Teaching, Hospital site)
- Royal **Liverpool and Broadgreen** University Hospitals Trust (Adult, Teaching, Hospital site)
- **Royal National Orthopaedic Hospital** (Adult, Specialist, Hospital site)
- **Sheffield** Children's Hospital (Paediatric Hospital site)
- **St Mary's Hospital, Newport**, Isle of Wight (Adult, Specialist, Hospital site)
- **The James Cook University Hospital**, Middlesbrough (Adult, Teaching, Hospital site)
- **University College Hospital** (Adult, Teaching, Hospital site)
- **Wirral OPAT Service**, Arrowe Park Hospital (Adult, Teaching, Hospital site)
- **Wythenshawe** Hospital, Manchester University NHS Foundation Trust (Adult, Teaching, Hospital site)



BSAC OPAT National Outcomes Registry System (NORS)

Providing the Most Comprehensive Picture
of OPAT Service Provision in the UK



BRITISH SOCIETY FOR
ANTIMICROBIAL
CHEMOTHERAPY



OPAT
Outpatient Parenteral
Antimicrobial Therapy

*“Man can accomplish anything
when he realises that he is
a part of something bigger.*

*A team of people
who share that conviction
can change the world.”*