



Public Health
England

Systemic Anti Cancer Therapy (SACT)

Sarcoma SSCRG

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National Disease Registration, CKO



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What is currently available and how do I gain access?

Nationally



Coverage Map

Numbers in Treatment

Top Regimens

Area Team



Data Completeness

Benchmarking

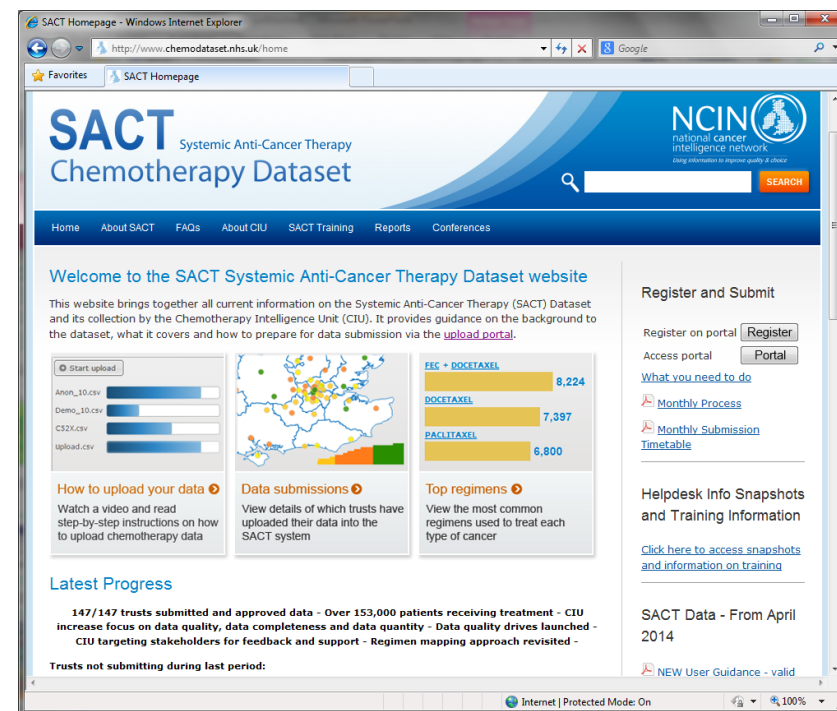
Hospital



Post Chemo Mortality

Data Completeness

Top Regimens



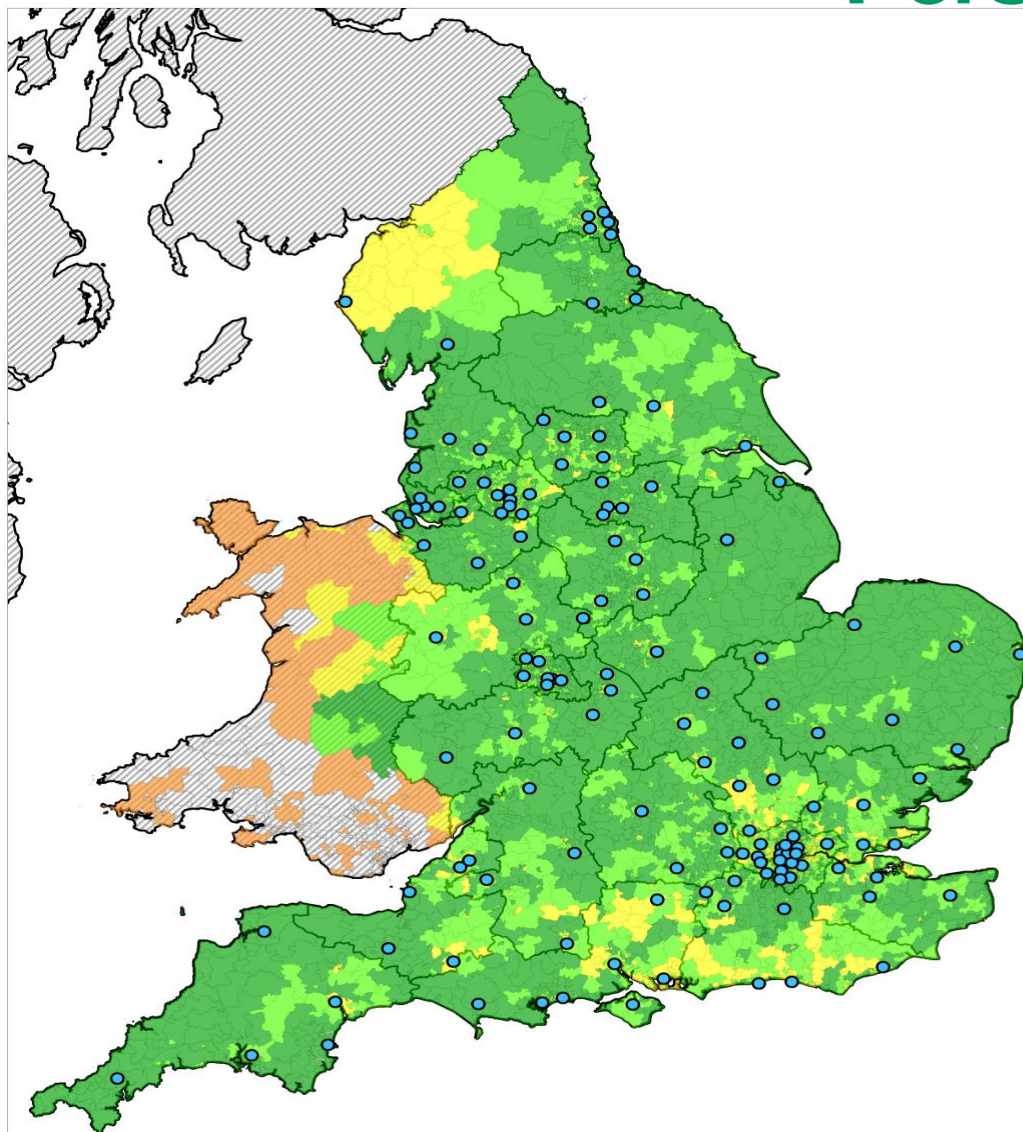
www.chemodataset.nhs.uk



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Coverage Map: A National Perspective

January 2015



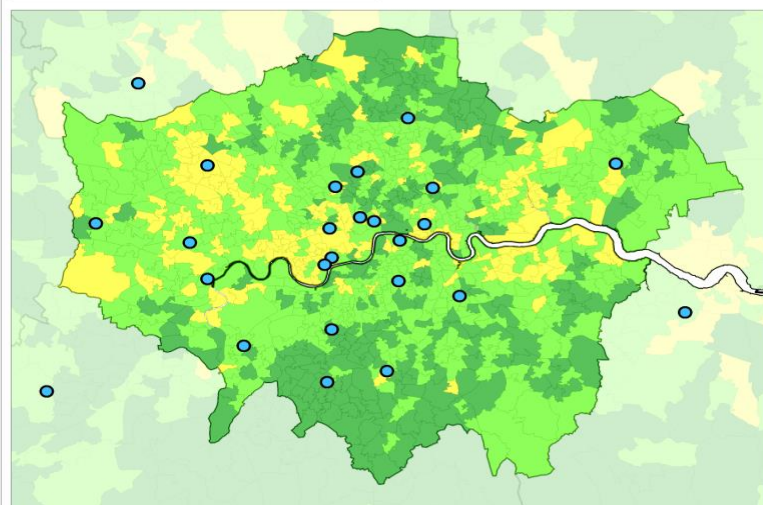
Key

Hospital trusts

● Submitting data

Total patients

1 to 5
5 to 25
25 to 40
40 to 150



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London detail



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So... what do the numbers tell us?

	July '13 to June'14	August '13 to July'14
Patients Receiving Drug Treatments	153,348	154,879
Regimens Commenced	250,131	254,162
Cycles Commenced	669,937	681,073

The figures listed above represent the number of patients reported to the CIU through SACT, for whom treatment activity has been submitted for the period covering August 2013 through July 2014 inclusive.








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How good is the data nationally?

SACT data completeness, December 2013 to November 2014

England
Sarcoma

Key	
	Increase in completeness since comparison period
	Decrease in completeness since comparison period
	No change in completeness since comparison period
	100% completion (for non-mandatory items)
	Mandatory item (always 100%)

Number of patients
939 ↑

% NHS Number	% Date of Birth	% Current gender	% Ethnicity	% Patient postcode
100% M	100% M	99% ↑	95% →	100% M

Number of tumour records
1,011 ↑

% GP Practice Code	% GMC Code	% Consultant Specialty	% Primary diagnosis	% Morphology	% Stage of disease at start of programme
82% ↑	93% ↑	95% ↑	100% ✓	45% →	28% ↑

Number of regimens
1,958 ↑

% Programme number	% Regimen number	% Treatment intent	% Regimen name	% Height at start of regimen	% Weight at start of regimen	% Performance Status at start of regimen
73% ↑	39% ↑	76% →	100% M	56% ↑	52% →	23% →

% Comorbidity adjustment	% Date of decision to treat	% Start date of regimen	% Clinical trial	% Chemo radiation	% Number of cycles planned
28% ↑	89% ↑	100% M	61% ↑	53% ↑	46% ↑

Number of cycles
4,274 ↑

% Cycle number	% Start date of cycle	% Weight at start of cycle	% Performance Status at start of cycle	% OPCS procurement code	% of Cycles with Drug records
100% M	97% →	58% →	30% ↑	59% ↓	90% →

Number of drug records
10,206 ↑

% Drug name	% Actual dose per administration	% Administration route	% Administration date	% OPCS Delivery code	% Organisation code of drug provider
100% ✓	92% →	92% ↑	100% ✓	72% →	92% →

Number of outcome records
1,054 ↑

% Date of Final Treatment	% Regimen modification (dose reduction)	% Regimen modification (time delay)	% Regimen modification (stopped early)	% Regimen outcome summary	% Date of death
18% ↓	43% ↑	11% ↑	40% ↑	4% →	12% ↑

54% of regimens

How good is my data, compared to hospitals in my area team?

West Middlesex University Hospital NHS Trust[illegible]



Can I find out how complete my hospital's Colorectal data is?

SACT Data Completeness Profile						
Trust All diagnostic groups, activity between 01/09/2013 and 30/09/2013						
Trust Name	Total Patients	Total Tumours	Total Regimens	Total Cycles	Total Drugs	Total Outcomes
NHS Foundation Trust	781	788	805	1,149	8,576	805
Key: * = 100% complete * = Better than England average * = Worse than England average						
% NHS Number*	% Date of Birth*	% Gender	% Ethnicity	% Post Code*		
Total Patients: 781	* 100.0%	* 100.0%	* 100.0%	* 89.0%	* 100.0%	
England average:	100.0%	100.0%	98.2%	92.5%	100.0%	
% GP Practice Code	% Consultant GMC code	% Consultant Speciality	% Primary Diagnosis*	% Morphology*	% Stage	
Total Tumours: 788	* 100.0%	* 72.0%	* 70.9%	* 100.0%	* 64.5%	* 24.2%
England average:	76.6%	87.5%	90.1%	100.0%	46.3%	28.1%
% Programme Number	% Regimen Number	% Treatment Intent	% Height at Regimen Start	% Weight at Regimen Start	% Performance Status at Regimen Start	
Total Regimens: 805	* 100.0%	* 100.0%	* 96.0%	* 82.2%	* 82.2%	* 99.8%
England average:	54.0%	67.2%	79.9%	55.7%	55.7%	38.5%
% Co-Morbidity Adjustment	% Decision To Treat Date	% Regimen Start Date*	% Clinical Trial	% Chemo Radiation	% Cycles Planned	
England average:	* 0.0%	* 66.8%	* 100.0%	* 100.0%	* 100.0%	* 100.0%
% Regimen Name*	% Regimen matching OPCS 4.6	% Regimen mapped by CIU	% Regimen mapped to TRIAL	% Regimen mapped to NOT CHEMO		
* 100.0%		42.6%	50.0%	7.4%	0.0%	
England average:	100.0%					
% Cycle Number*	% Cycle Start Date	% Weight at Cycle Start	% Performance Status at Cycle Start	% OPCS Procurement Code		
Total Cycles: 1,149	* 100.0%	* 99.0%	* 13.8%	* 99.7%	* 69.4%	
England average:	100.0%	95.9%	48.8%	31.5%	48.9%	
% Drug Name	% Dose	% Route of Administration	% Date of Administration	% Organisation Code of Drug Provider	% OPCS Delivery Code	
Total Drugs: 8,576	* 100.0%	* 98.0%	* 100.0%	* 100.0%	* 70.9%	
England average:	100.0%	94.5%	91.3%	100.0%	94.6%	58.0%
% Final Treatment Date	% Regimen Modification Dose Reduction	% Regimen Modification Time Delay	% Regimen Modification Stopped Early	% Regimen Outcome Summary	% Date of Death	
Total Outcomes: 805	3.5%	100.0%	100.0%	100.0%	0.5%	

* Mandatory fields are denoted with an asterisk

Report executed on 12 November 2013. Source: SACT.

SACT Data Quality Profile

Trust
Reported activity taking place between 01/09/2013 and 30/09/2013



1. Morphology completion for critical diagnostic groups

Proportion of patients in each diagnostic group with morphology recorded

Gynae (Ovarian)	Lung	Urology (Testis)
98% 53 out of 54 patients	80% 35 out of 44 patients	80% 4 out of 5 patients

2. Intent of Treatment by diagnostic group

Total number of patients treated between 01/09/2013 and 30/09/2013 with treatment intent recorded.

Percentages are aggregated by diagnostic group. Patients with multiple treatment intent recorded will be double-counted.

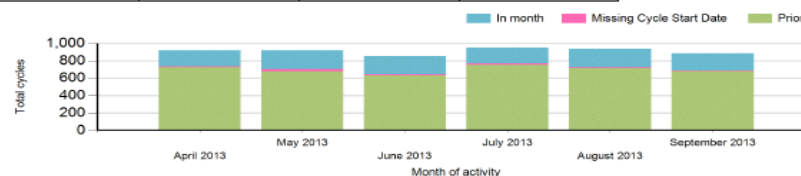
	Adjuvant	Curative	Disease Modification	Neo-adjuvant	Palliative	Not recorded
Brain/CNS	9 (24%)	15 (39%)	0 (0%)	0 (0%)	14 (37%)	0 (0%)
Breast	63 (47%)	7 (5%)	0 (0%)	19 (14%)	39 (29%)	5 (4%)
Gynae	20 (24%)	7 (8%)	0 (0%)	9 (11%)	48 (58%)	1 (1%)
Head and Neck	0 (0%)	8 (80%)	0 (0%)	0 (0%)	2 (20%)	0 (0%)
Leukaemia	2 (4%)	13 (27%)	0 (0%)	0 (0%)	34 (68%)	0 (0%)
Lower GI	24 (35%)	6 (9%)	0 (0%)	2 (3%)	36 (52%)	1 (1%)
Lung	2 (4%)	4 (9%)	0 (0%)	0 (0%)	39 (87%)	0 (0%)
Lymphoma	0 (0%)	36 (55%)	0 (0%)	0 (0%)	29 (45%)	0 (0%)
Miscellaneous	2 (5%)	4 (9%)	0 (0%)	0 (0%)	36 (82%)	2 (5%)
Myeloma	2 (4%)	2 (4%)	0 (0%)	0 (0%)	42 (91%)	0 (0%)
Sarcoma	1 (17%)	0 (0%)	0 (0%)	0 (0%)	5 (83%)	0 (0%)
Skin	0 (0%)	2 (8%)	0 (0%)	0 (0%)	23 (92%)	0 (0%)
Upper GI	2 (5%)	5 (12%)	0 (0%)	1 (2%)	32 (76%)	2 (5%)
Urology	11 (16%)	3 (4%)	0 (0%)	0 (0%)	43 (64%)	10 (15%)

3. Number of cycles reported

Number of cycles reported by cycle start date and corresponding regimen start category ('In month' or 'Prior').

Percentages are aggregated by month of cycle start.

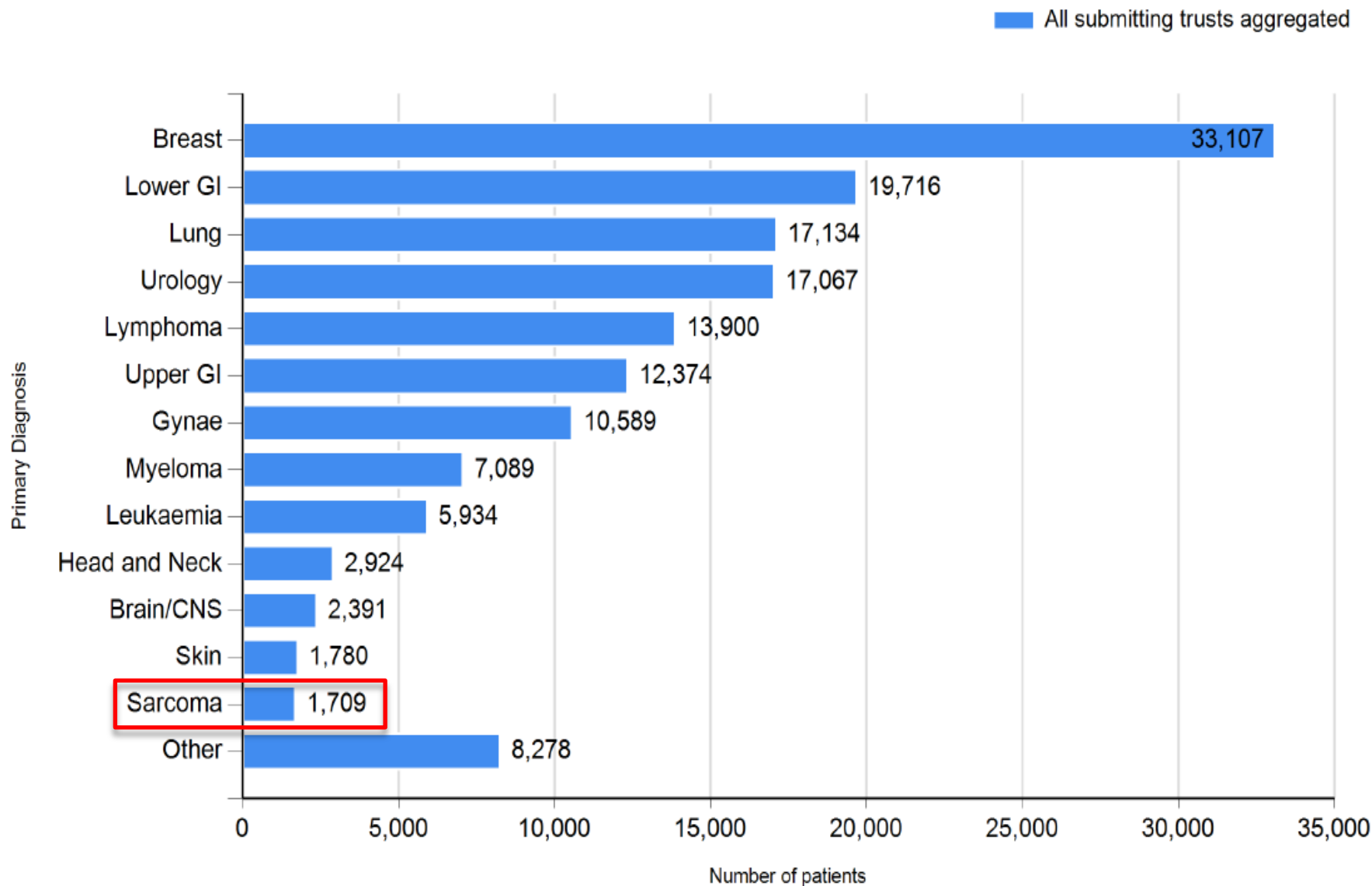
Month of cycle start	Regimen Start Date		
	In month	Missing Cycle Start Date	Prior
April 2013	183 (20%)	10 (1%)	726 (79%)
May 2013	214 (23%)	25 (3%)	679 (74%)
June 2013	206 (24%)	17 (2%)	629 (74%)
July 2013	181 (19%)	15 (2%)	756 (79%)
August 2013	213 (23%)	10 (1%)	714 (76%)
September 2013	195 (22%)	10 (1%)	680 (77%)



Number of Patients by Diagnostic Group

All submitting trusts aggregated

Data received for July 2013 - June 2014. Patients aged 16 and over



Top Regimens by Diagnostic Group

Sarcoma

All treatment intent

ICD10: C40-C41, C46, C49 or various morphology codes

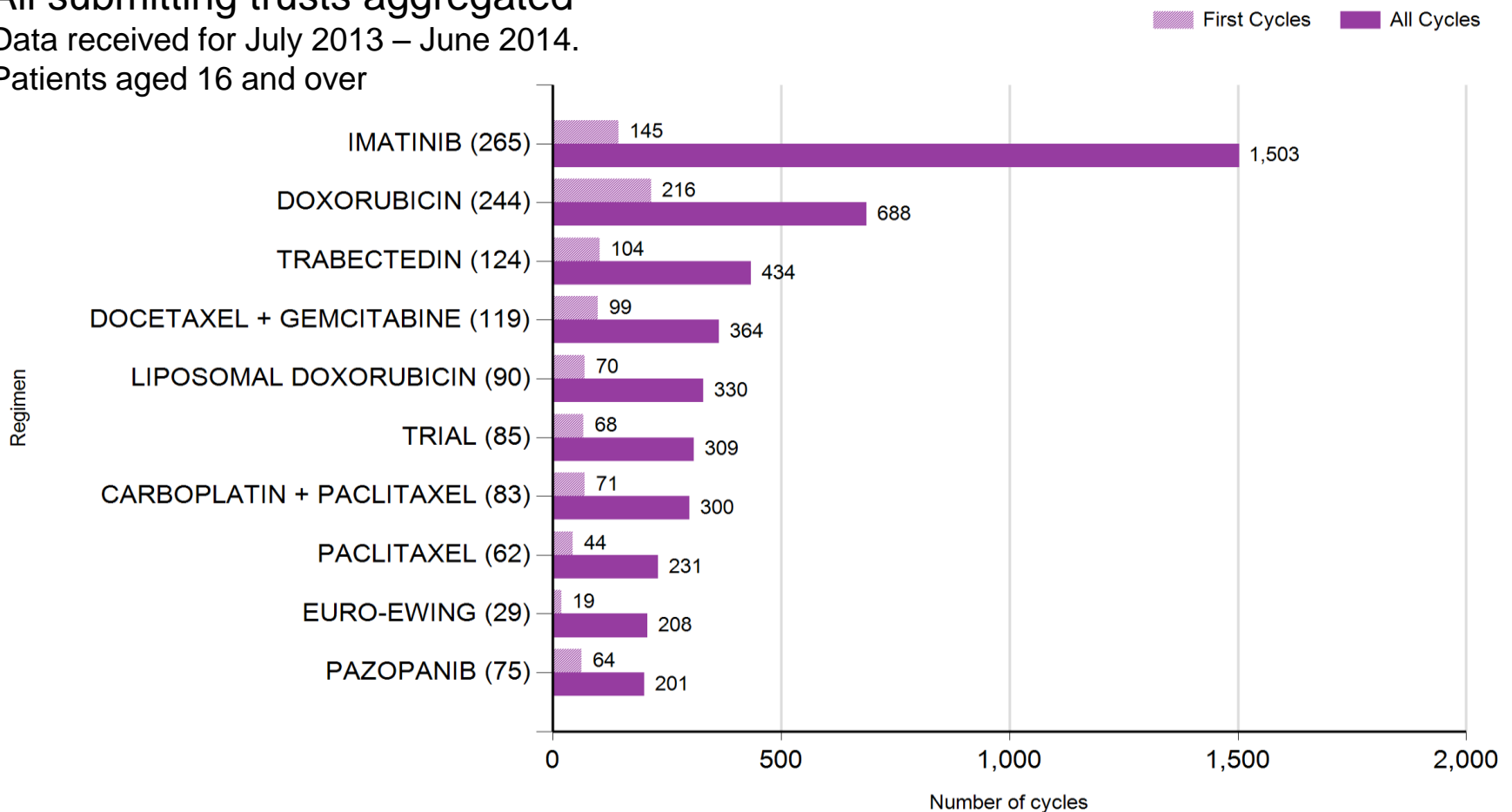
All submitting trusts aggregated

Data received for July 2013 – June 2014.

Patients aged 16 and over

These reports are available at a provider level

There are in excess of 160 regimens for this disease group



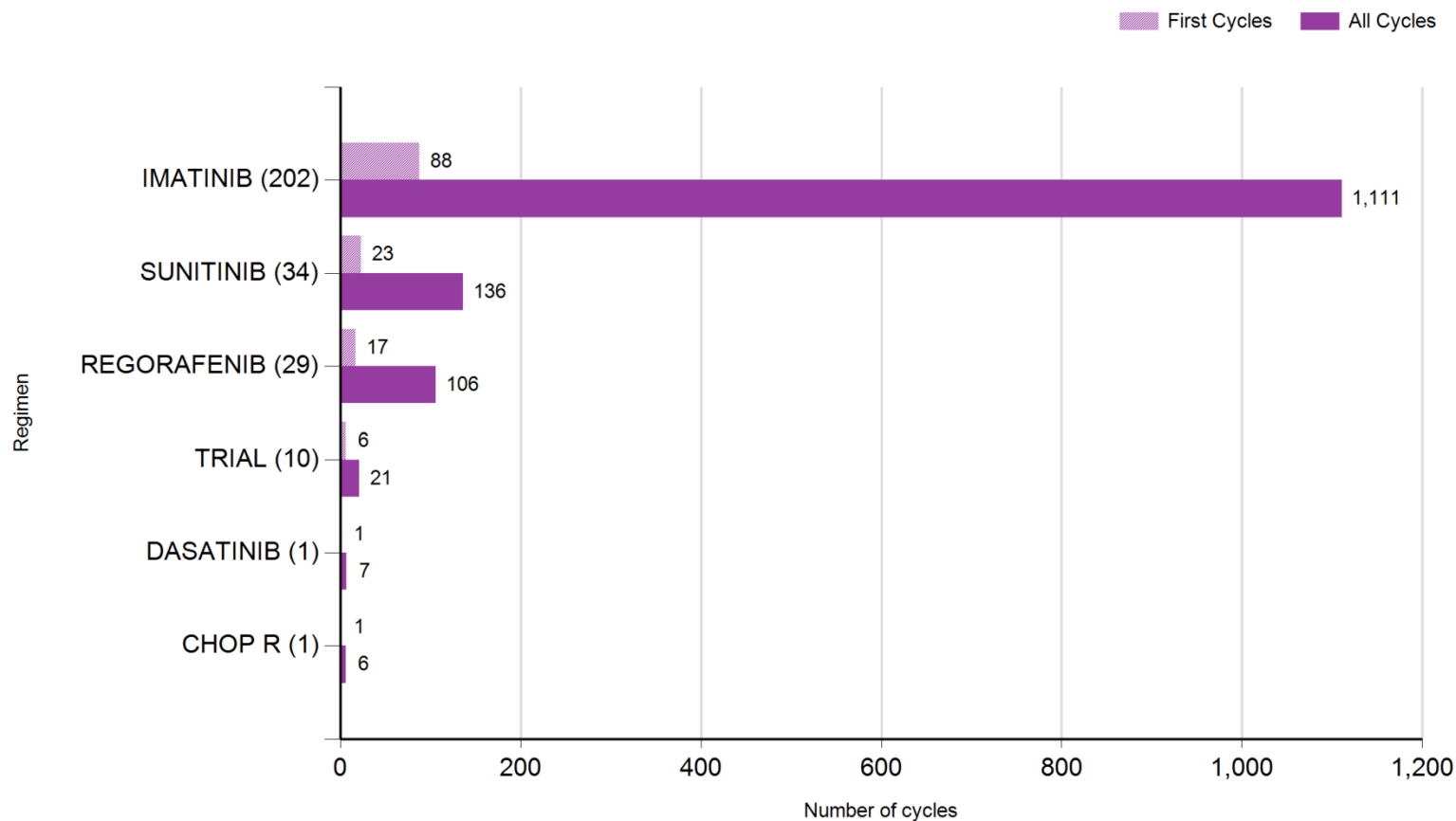
Top Regimens by Diagnostic Group

Sarcoma (GIST)

Morphology: M8936

All submitting trusts aggregated

Data received for October 2013 - September 2014. Patients aged 16 and over



Top Regimens by Diagnostic Group

Sarcoma (GIST)

Morphology: M8936

All submitting trusts aggregated

Data received for October 2013 - September 2014. Patients aged 16 and over

Table: List of top regimens

Regimen	Patients	First Cycles	Total Cycles
IMATINIB	202	88	1,111
SUNITINIB	34	23	136
REGORAFENIB	29	17	106
TRIAL	10	6	21
DASATINIB	1	1	7
CHOP R	1	1	6
<i>Other (3 unrecognised regimens)</i>	7	6	21

Table: List of unrecognised regimens

Regimen	Patients	First Cycles	Total Cycles
SA-CCR3877-IMAT+BKM120-COMBINATION	4	3	12
CP-CCR3559 BI 836845 DOSE EXP WEEKLY SCH	2	2	6
CP-CCR3941-ONX-0801 WEEKLY SCHEDULE	1	1	3

Top regimens reported for gastro-intestinal stromal tumours

Morphology: M8936

All submitting trusts aggregated

Data received for October 2013 - September 2014. Patients aged 16 and over

Top Regimens	Total patients by Intent of Treatment			
	Curative*	Palliative	Not recorded	Total
IMATINIB	32 (16%)	37 (18%)	133 (66%)	202
SUNITINIB		19 (56%)	15 (44%)	34
REGORAFENIB	1 (3%)	13 (45%)	15 (52%)	29
TRIAL		1 (10%)	9 (90%)	10
CHOP R		1 (100%)		1
DASATINIB			1 (100%)	1
<regimen(s) not recognised>			7 (100%)	7
CP-CCR3559 BI 836845 DOSE EXP WEEKLY SCH			2 (100%)	2
CP-CCR3941-ONX-0801 WEEKLY SCHEDULE			1 (100%)	1
SA-CCR3877-IMAT+BKM120-COMBINATION			4 (100%)	4
Total patients	33 (12%)	71 (25%)	180 (63%)	284

*Curative group includes adjuvant and neo-adjuvant intent



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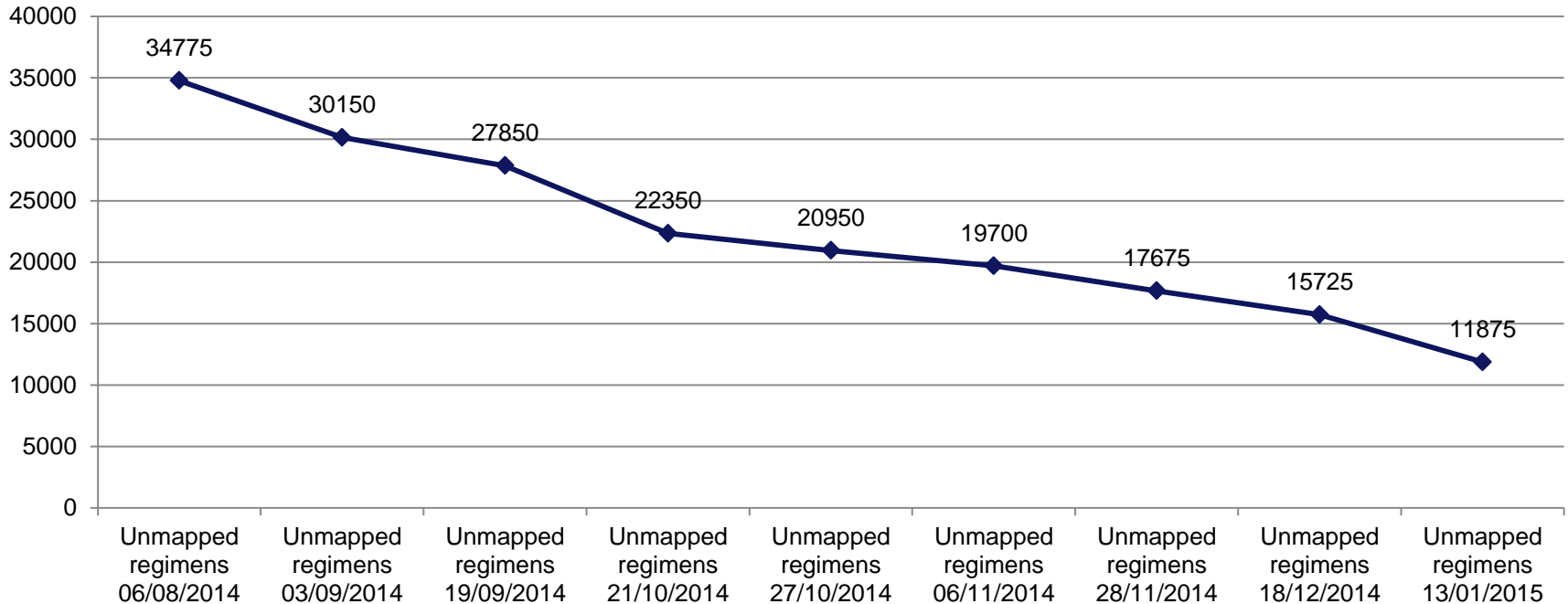
Online Regimen Mapping Tool Launched

- ✓ Providers now have the responsibility to map their local regimen names to nationally recognised regimen nomenclature using the new mapping tool.
- ✓ The tool was tested by members of the SACT User Group, before being launched on the upload portal.
- ✓ Using feedback, the written guidelines and step by step guide have been produced in conjunction with senior pharmacists who are supporting the team.
- ✓ We currently have over 50 registered users with the new role of “Regimen mapping”



News: Regimen Mapping Update

- ✓ The new online mapping tool has been a success, however there is still a lot of work to be done to complete this task.
 - ✓ The Helpdesk will start to feed back any queried mapping back to Trusts
- Number of unmapped regimens**





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We want to identify best practice across England and share it!

- **Have You:**

- Improved SACT data quality by introducing new processes?
- Used your local SACT data to improve services, or your understanding of chemotherapy?
- Shared all SACT reports (Data Quality, Top Regimen, Benchmarking and the mortality reports) with your pharmacy and oncology teams members in order to improve understanding SACT and its purpose?

If yes, please contact us at CIU@phe.gov.uk!



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Improving Stakeholder Engagement

Members of the CIU team will be attending the following meetings:

- NHS England Area Team Pharmacist Meeting
- NHS England Chemotherapy Clinical Reference Group
- Chemotherapy Clinical Information Group
- NCIN Site Specific Clinical Reference Groups (SSCRG)
e.g. CNS workshop, Breast meeting

Would you like to know more about SACT? Please contact the team, we are always happy to discuss the project or meet with you.

E-mail: CIU@phe.gov.uk