

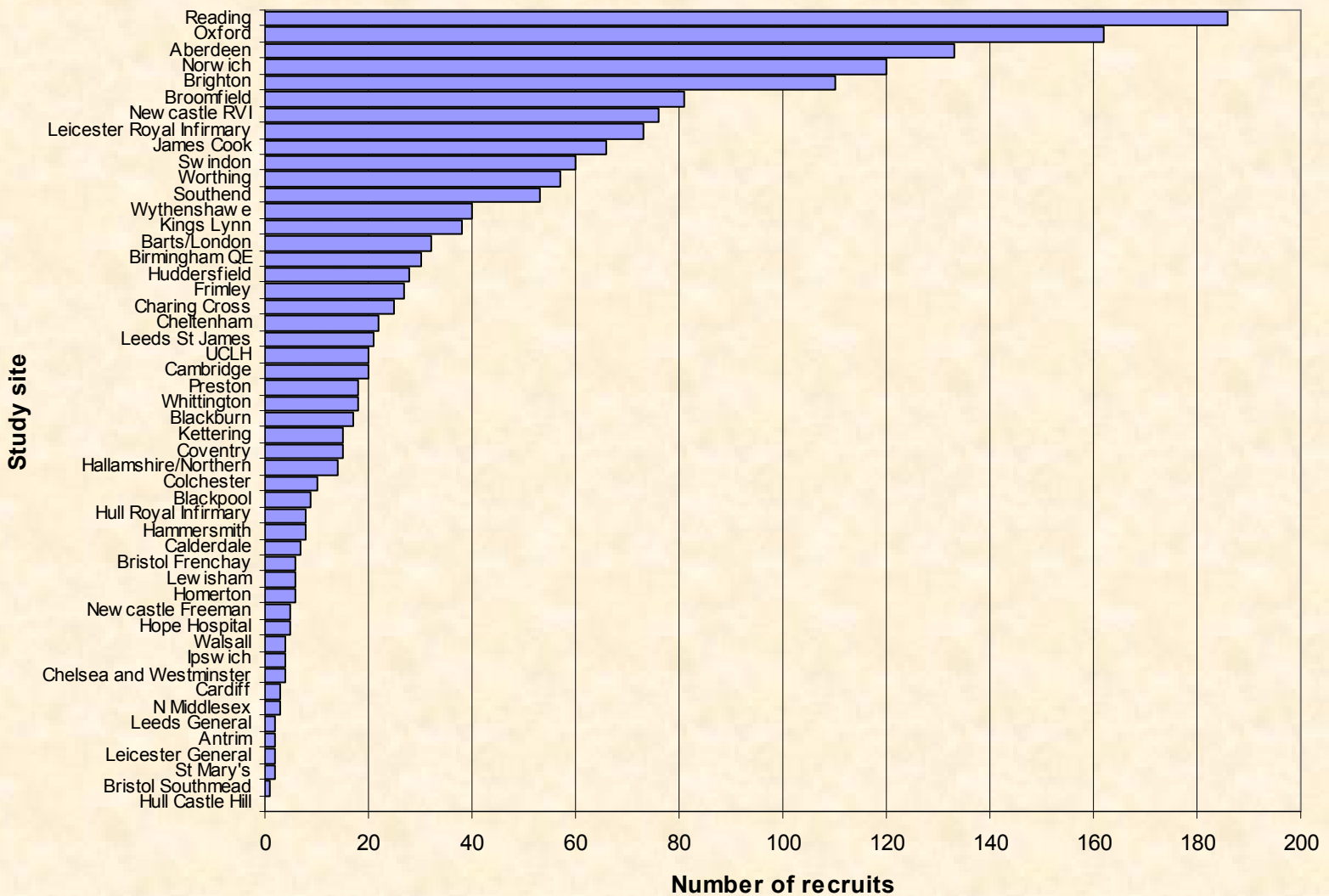
G A i n S

Newsletter October 2011 No. 9



2841 patients in GAINs/GenOSept 1531 in GAINs

Patient Recruitment up to 12.10.11



A fantastic effort from all the centres and our thanks to all investigators and research nurses for your continued commitment to the project!

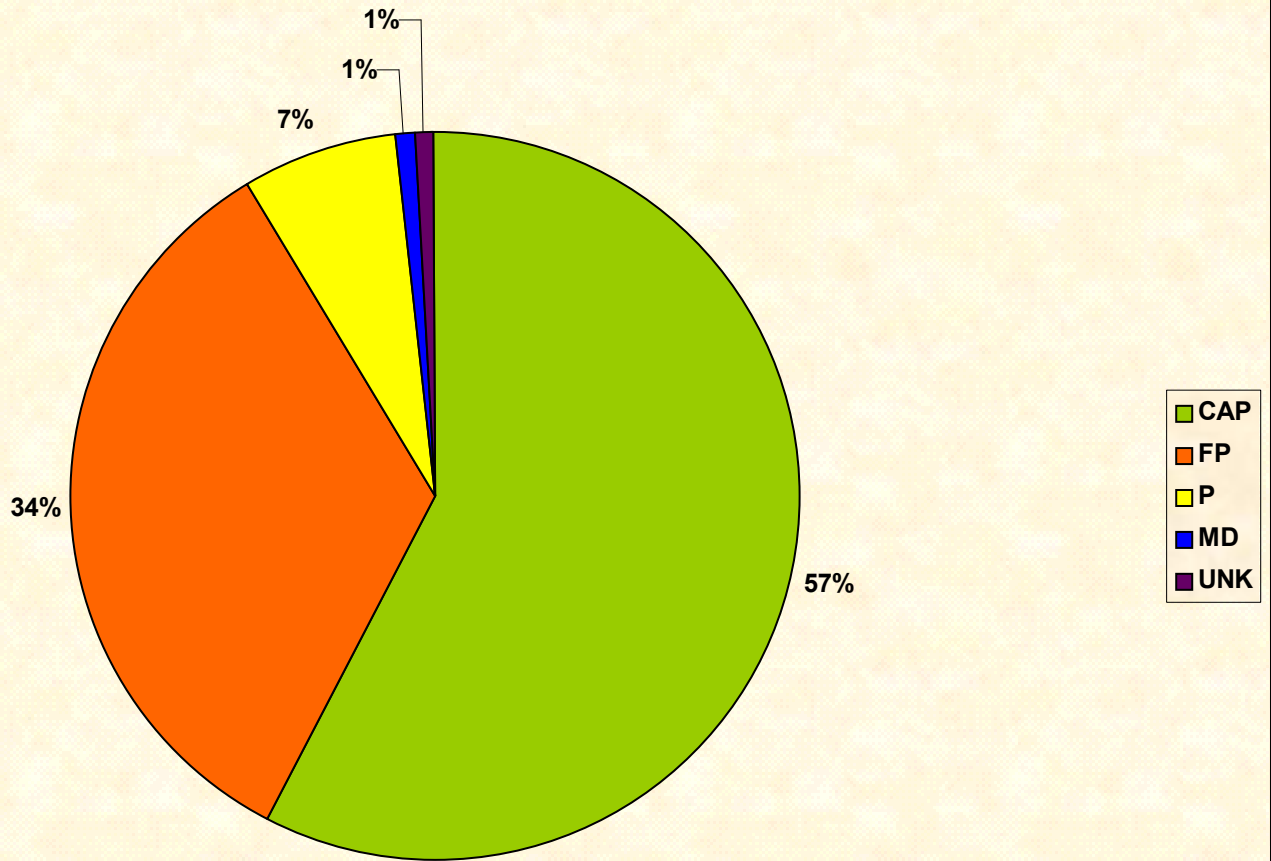
1531 in GAINs

By October 12th, 1531 patients (569 with faecal peritonitis and 962 with community-acquired pneumonia) had been recruited to GAINs.

Recruitment numbers for GAINs and GenOSept, for individual centres are shown in the table below:

Study Site	TOTALS	CAP/FP TOTALS
Reading	186	169
Oxford	162	150
Aberdeen	133	128
Norwich	120	103
Brighton	110	94
Broomfield	81	77
Newcastle RVI	76	73
Leicester Royal Infirmary	73	66
James Cook Middlesbrough	66	66
Swindon	60	50
Worthing	57	56
Southend	53	51
Wythenshawe	40	36
Kings Lynn	38	30
Barts/London	32	27
Birmingham QE	30	25
Huddersfield	28	28
Frimley	27	19
Charing Cross	25	24
Cheltenham	22	18
Leeds St James	21	20
Cambridge	20	16
UCLH	20	19
Whittington	18	18
Preston	18	16
Blackburn	17	15
Coventry	15	15
Kettering	15	15
Hallamshire/Northern General	14	14
Colchester	10	7
Blackpool	9	9
Hammersmith	8	8
Hull Royal Infirmary	8	8
Calderdale	7	7
Homerton	6	6
Lewisham	6	6
Bristol Frenchay	6	6
Hope Hospital	5	4
Newcastle Freeman	5	5
Chelsea and Westminster	4	4
Ipswich	4	4
Walsall	4	4
N Middlesex	3	3
Cardiff	3	3
St Mary's	2	2
Leicester General	2	2
Antrim	2	2
Leeds General	2	2
Bristol Southmead	1	1
Hull Castle Hill	0	0
ALL SITES TOTALS	1674	1531

Disease frequency in UK patients recruited to GenOSept/GAinS up to October 12th 2011



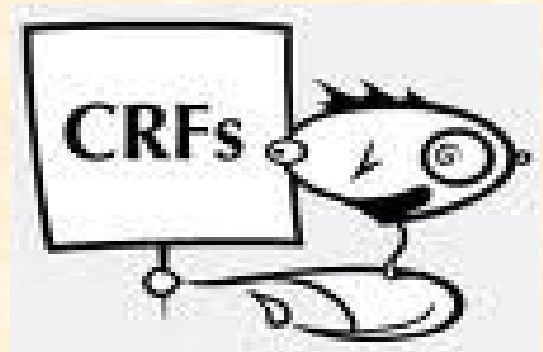
91% of the UK patients have a diagnosis of CAP or FP. The unknown 1% represents those for whom the diagnosis has not been confirmed.

Data Quality

Quality assurance work is still ongoing for both the GAINs and GenOSept data sets. Over 3,300 CRFs have been reviewed by Alex, Penny and Paula in Oxford and more than 13,426 data queries have been created.

Please remember to review all your patients in the eCRF at least weekly to look for any DQs that may have been created (follow the red icons!) and please answer them as soon as possible.

Clearly it is essential that phenotypic datasets are complete if patients are to be included in the various analyses.



Postage of paper CRFs:

Please only use the A5 size paper CRFs to send to us in Oxford. This is because postage is prepaid for the smaller, lighter CRFs and the post office are not delivering packages which are 'overweight'.

Serial sampling

We now have 31 sites collecting serial samples for the gene expression element of the GAINs study.

597 patients have been recruited and 1013 sets of samples have been obtained. These patients are all included in the portfolio accrual figures. Don't forget we need to have your serial sample logs at the beginning of each month in order to upload the accrual figures – this is really important as it is the process by which your CLRN will be able to assess your research activity and determine future funding.

Serial sample supplies

When you are down to your last 3 filters please send an email to ICUgeneticresearch@orh.nhs.uk to request a new serial sampling kit.

Serial Sample Data

Remember you only need to record the white cell differentials in your serial sample log and in the eCRF for the days on which you obtained a set of serial samples.

Patient Recruitment Packs

When you are down to your last 3 patient recruitment packs (containing the paper CRFs, 10ml EDTA blood tubes and blue postage containers etc), please send an email to Charles Mein c.a.mein@qmul.ac.uk at the Genome Centre in London to request some more. If you are taking serial samples please ensure that you also request bar codes for serial sampling at the same time.

Pause on enlisting new sites

We have now reached full capacity for the serial sampling element of GAINs. We will review the situation again next year.

NIHR/UKCRN

The serial sampling aspect of the GAINs study is included in the NIHR portfolio; you can contact your local CLRN to ask for support to run the study at your centre(s).

Study ID: 5325; URL <http://www.ukcrn.org.uk/index.html>

Berlin ESICM Congress October 2011

Two abstracts from GAINs/GenOSept were presented at the ESICM Congress in Berlin this October.

Ascanio Tridente presented Epidemiology of Faecal Peritonitis (FP) in the GenOSept cohort:



BE PART OF EUROPE'S FIRST INTENSIVE CARE GENOMICS PARTNERSHIP

Genetics Of Sepsis & Septic shock

Epidemiology of Faecal Peritonitis (FP) in the GenOSept cohort

A. Tridente and G. M. Clarke, A. Walden, S. McKechnie, P. Hutton, R. Martynoga, G. H. Mills, A.C. Gordon, F. Stueber, C. Garrard and C. Hinds

on behalf of the GenOSept investigators

Charles Hinds presented A functional approach to the identification of biomarkers of survival in severe sepsis due to community-acquired pneumonia:

A functional genomics approach to the identification of biomarkers of survival in severe sepsis due to community-acquired pneumonia

Radhakrishnan J, Svoren E, Ellis P, Langford C, Hutton P, Garrard C, Hinds CJ, Knight JC, on behalf of the GAINs

Investigators

Wellcome Trust Centre for Human Genetics, University of Oxford, UK
William Harvey Research Institute, Barts and the London Queen Mary School of Medicine, London, UK

Sanger Institute, Cambridge, UK
Johns Hopkins University, Baltimore, MD, USA
NHS Trust, Oxford, UK



CAP and FP Epidemiology Publications

CAP and FP epidemiology papers are being prepared for submission.

Genome Wide Association Studies

The genome wide genotyping of more than 1700 patients recruited to GAinS/ GenOSept has been completed. Replication and fine mapping is in progress.

Functional Genomics

Analysis of gene expression data from “serial sample” patients is progressing well.

Collaborative Research

Do you have any original research questions that could be answered by examining the GenOSept/ GAInS data? If so, you might wish to discuss the possibility of collaborative research with Prof Charles Hinds or Dr Chris Garrard.

Written applications will be reviewed by the UKCCG management committee

CRF questions

CRF questions and answers can be found on the UKCCG website:

<http://www.ukccg-gains.org/>

select 'technical information'.

Of course you are welcome to contact us at any time by phone or email with any questions you may have about the studies. Please see contact details below.

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Investigators Meeting

We are planning to hold an investigators meeting in 2012. Further details will be circulated as soon as arrangements are finalised.

ICS meeting in London

A genomics session is scheduled for Monday 12th December (14:00 to 15:00hrs) during which some of the initial findings from GAInS/GenOSept will be presented.

http://www.ics.ac.uk/event_documents/programme_29

Thank you!

We continue to make great progress with the collections for both GAInS and GenOSept. This is entirely due to the enormous efforts of the Investigators and Research Nurses in each of the UK and European ICUs.