



Bristol Study Centre

NEWSLETTER

www.dutystudy.org.uk

Issue 23: Maybe really the last one

August 2012

Our Fantabulous Results

Overall:

7,166 children, with 88% urines

920 day 14 follow-ups

Bristol centre:

2,948 children, 91% urines

THANK YOU

You have made the DUTY statisticians very happy!

Feedback from the DUTY Data Manager Cathy Lisles



WHAT IS DATA CLEANING? The process of data cleaning is that whereby data which appears to be incorrect is verified e.g. in this study, multiple recruitment, data that may be missing is found and entered, data that is apparently out of an accepted normal range is checked to be correctly entered.

Some 'self evident correction' rules were developed for areas where, from other data inputted, it was evident that a mis-key had occurred. A Self Evident Correction (SEC) was agreed to have occurred when a Data Cleaner saw an inconsistency that was clearly wrong and could easily be amended. These did not involve any changes to actual data or result values (they were used to cover more process orientated variables, such as dates).

We are very grateful for the timely replies that recruiters gave to us as we had over 7000 recruits study wide and Bristol had queries on 289 children varying from 6 items missing to over 100. Each item being an entry line on the CRF.

CONSENT needs good communication, be interactive and most importantly seek to involve the child

Use relative rather than absolute terms

Avoid medical jargon and difficult language

Information given should be sufficient but not overwhelming

Directing simple questions about the study to the person giving consent helps ensure their comprehension

Always allow sufficient time for parents to decide whether or not to take part

And always remember!

Parents who feel obligated to consent probably should be considered as having failed the consent procedure



TRUE OR FALSE?

There are 10 times more bacterial cells on and in the human body than there are human cells.

TRUE (~10¹⁴ bacterial cells vs ~10¹³ human cells)

The name *Staphylococcus* is derived from the Greek meaning "bunch of grapes" because the bacteria give off an odour of red wine. **FALSE** (under the microscope *Staphylococcus* species are round bacteria and they group together distinctively like bunches of grapes)

The *E. coli* naturally present in our guts produces a large amount of the Vitamin K which we need.

TRUE

Urine facts: Urine has long been credited with magical and medicinal properties. It has been featured in black magic rituals. It has been mixed with wine, herbs, or oils; used as an ointment and in pills; employed in amulets, talismans, and charms; and used in aphrodisiacs and fertility potions.



THANK YOU ONE AND ALL!



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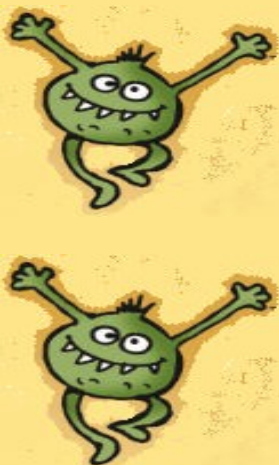
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Serendipity in DUTY; One of the outcomes in DUTY we will be looking at is the serendipitous treatment of UTI because of the non-specific symptoms of UTI in children; you may remember this is why the study was first set up as it is difficult to recognise UTI in the under 5s.

Another serendipitous experience for one child was the diagnosis of type 1 diabetes. Although not uncommon type 1 diabetes is not often recognised early in Primary Care and children can become quite unwell pre-diagnosis with ketoacidosis.

DATA CLEANING DONE

The DUTY data cleaning team are very grateful for all the help you gave when they sent queries about the Case Report Forms.

If you still have any paperwork (or valuable equipment such as safe boxes and monovettes)please return them as soon as you can to Steve Beech at Canynge Hall.

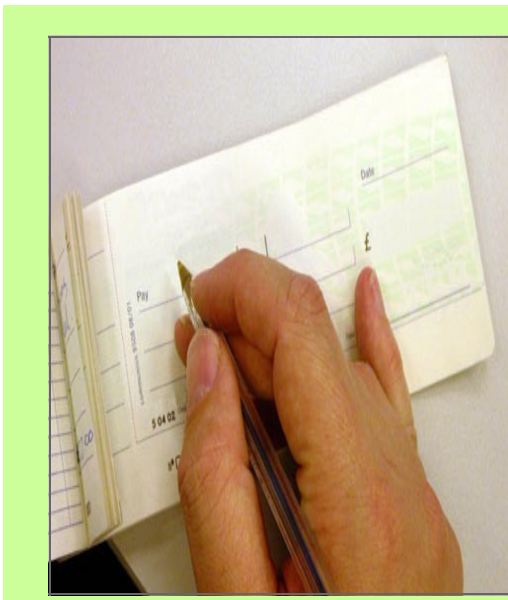
Thank you



BUGS IN THE RESEARCH LAB

In DUTY so far, the most common bacteria isolated by the reference lab has been coagulase negative staphylococci (CNS). CNS are differentiated from other staphylococcal bacteria (such as methicillin resistant *Staphylococcus aureus*, otherwise known as MRSA) as they do not produce the enzyme coagulase. They are normal inhabitants of the human skin and mucous membranes and were, in the past, considered to be urinary contaminants, however it is now recognised that they can cause urinary tract infection.

E. coli is currently the second-most common bacteria isolated by the reference lab in positive urine specimens which is not surprising as it is well-recognised as the most common organism involved in UTI.



PRACTICE and LAB PAYMENTS

Thank you for your patience during data cleaning.

The payments to practices and labs have now been determined and invoices sent out.

Payments were determined by urine sample retrieval rates and adherence to protocol e.g. Valid consent and single recruitment.

Please remember that the invoices are not sent to us for payment but to the Research Consortium for your area.