



# LIVERPOOL LUNG PROJECT NEWSLETTER

University of Liverpool Cancer Research Centre



## INTRODUCTION

Welcome to the third edition of the Liverpool Lung Project (LLP) newsletter. In this edition, we celebrate the recruitment of our 7,500<sup>th</sup> participant and highlight the successes of recruitment into the case-control study.

## PROSPECTIVE COHORT

We reached our target of 7,500 participants into the prospective cohort on 22<sup>nd</sup> June 2006 thanks to all the hard work of the entire LLP team and celebrations were enjoyed by all staff on 11<sup>th</sup> July 2006.

Following recruitment of the 7,500 participants, the focus of the project is on the annual recall of the high-risk follow up group (n = 1,652) for the next ten years where the aim is to collect an archive of lifestyle data and biological specimens which will contribute towards the identification of early biomarkers for lung cancer. These follow up participants can attend clinics at the Cancer Research Centre, Cardiothoracic Centre (Tockman clinic), Westvale clinic (in Kirkby) and may also be seen by our Research Nurses at home.



Figure 1: Mobile clinic unit at the Cancer Research Centre

## DATA COLLECTION

We continue to collect cancer registration data from the Merseyside & Cheshire Cancer Registry (now known as North West Cancer Intelligence Service (NWCIS)). In November 2006, we received approval from the Office of National Statistics to collect outcome data for all LLP participants via the NHS Central Register.

## CASE-CONTROL STUDY

There have been a few developments into the recruitment of participants into the case-control study arm of the LLP. May 2006 saw the introduction of a new site at Clatterbridge Centre for Oncology where the Merseyside & Cheshire Cancer Research Network (MCCRN) team of Research Practitioners are recruiting for us in the oncology clinics (10 cases recruited to-date). There are also plans to commence recruitment at Whiston Hospital in their lung shadow clinic; by the MCCRN team based at Whiston. A lot of work is being put into the set up of this site, where it is anticipated that recruitment will commence in February 2007. The recruitment target for the case-control study is 1,500 cases, and we have already recruited over half of our target (see figure 2). The introduction of these new sites and the continued recruitment efforts at University Hospital Aintree and Cardiothoracic Centre will help us achieve this target quicker.

	No. of cases
Male	532
Female	372
<b>Total</b>	<b>904</b>

Figure 2: Case-control recruitment to-date

A huge thank you to our collaborators for all of the effort in 2006 to increase our recruitment opportunities within the region.

## PUBLICATIONS

The LLP Risk Model was presented at the NCRJ conference in October 2006. We have also recently published on the role of a new gene in lung cancer (CYGB) (Xinarianos *et al.* (2006) *Hum. Mol. Genet.* 15(13):2039-44); Lung cancer prediction: a tool for early detection (Cassidy *et al.* (2007) *Int J Cancer* 120(1):1-16); Family history and risk of lung cancer (Cassidy *et al.* (2006) *Br. J. Cancer* 95(9):1288-90); Cytosine methylation profiles as a molecular marker in non-small cell lung cancer (Ehrich *et al.* (2006) *Cancer Res* 66(22):10911-8).

## CONTACT

If you have anything you would like to discuss about the LLP please look on our website at [www.liverpoollungproject.co.uk](http://www.liverpoollungproject.co.uk) or call Dr Dawn Smith (Project Manager) on 0151 794 8952.

**"Reducing the burden of lung cancer through the development of early detection techniques"**

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