



KEY ISSUES

Accessibility of health facilities undergoing potentially major changes.

Advanced accessibility modelling techniques.

Use of latest socio-demographic and patient data.

ABOUT DHC

Derek Halden Consultancy staff and associates have leading expertise in transport planning, community development, psychology, transport and accessibility modelling, social inclusion, marketing, environmental assessment, and economic development.

Common to all projects is a commitment to draw from state of the art knowledge to ensure that solutions are soundly based and tailored to the needs of clients.

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RELOCATION OF ROYAL LIVERPOOL HOSPITAL

As part of the DfT Accessibility Planning Pilot DHC were asked by the Royal Liverpool and Broadgreen University Hospitals Trust (RLBUHT) to consider the accessibility impacts of the potential relocation of Royal Liverpool University Hospital to the east of the existing site in Liverpool centre.

An examination of public transport timetables showed the existing site to be served by a much wider set of mainly radial bus routes serving the City Centre. Further analysis examined changes in accessibility for all households, no car households, people with limiting long-term illnesses, people with low education levels and the actual patient catchment.

The analysis predicted that patients and other key people groups in the areas shown red would, through increases in public transport travel time, incur lower levels of accessibility.

Iso-access drive-time contours were also examined to see how the potential relocation would shift population catchments between the three major hospitals of Royal Liverpool, Aintree, and Whiston. This analysis predicted increases in catchment populations for both Royal Liverpool and Aintree, and a large decrease in catchment population for Whiston.

These findings provided a practical demonstration of the usefulness of accessibility planning techniques in the secondary healthcare sector and were used by RLBUHT in its hospital planning process, indicating that if the hospital were to be relocated as planned there would be a need for targeted transport improvements in certain areas to maintain equitable access.

Change in Hospital Accessibility for the Long-Term Ill after relocation

