

Consultation on replacement or refurbishment of University Hospital Monklands

Travel and transport analysis

1. Introduction

One of the most frequently asked questions in relation to any decision to move a service is how will I get there?

Access to a new University Hospital Monklands is crucial for patients, visitors and staff which is why travel and transport is key to the consultation on the replacement or refurbishment of University Hospital Monklands.

This paper sets out the work and analysis that has been undertaken to understand how people currently travel to the hospital and how they would travel to the alternative sites if the new hospital was to be built at a new location.

2. How do people currently travel to University Hospital Monklands

The maps below show where patients who attend outpatient services and staff who work at University Hospital Monklands live.

Patients who attend University Hospital Monklands for emergency care travel from Airdrie, Coatbridge, Cumbernauld, Kilsyth, Moodiesburn, Bellshill, Uddingston, Bothwell and surrounding areas.

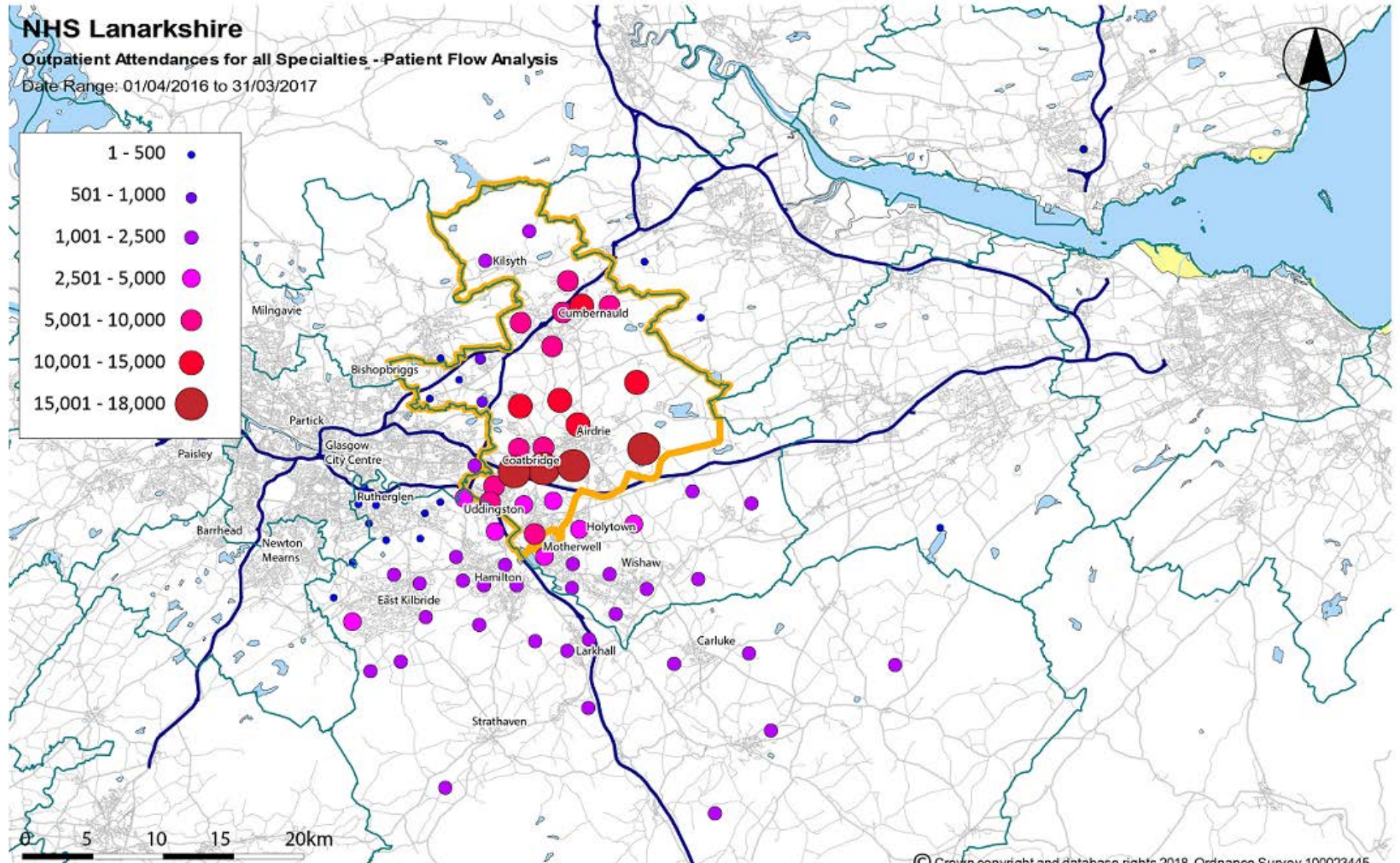
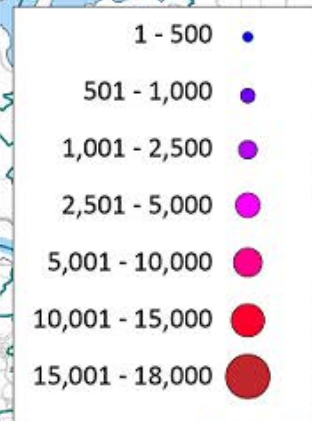
Patients who attend for planned procedures and outpatient appointments travel from across Lanarkshire.

Staff who work at the hospital travel from a wider area although a majority live within the hospital's catchment area.

NHS Lanarkshire

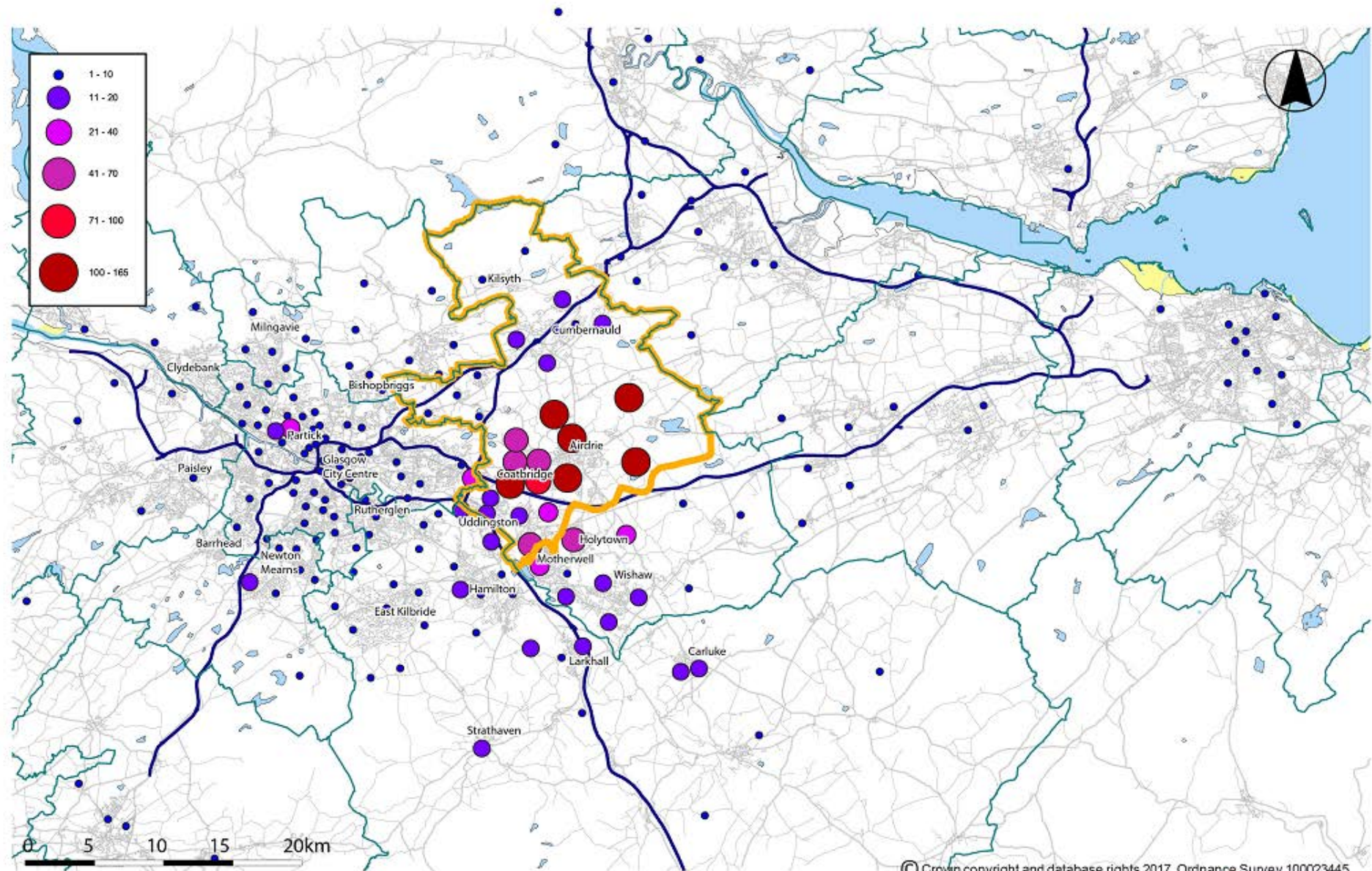
Outpatient Attendances for all Specialities - Patient Flow Analysis

Date Range: 01/04/2016 to 31/03/2017



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MONKLANDS HOSPITAL - STAFF POSTCODE INFORMATION



As the maps demonstrate both staff and patients attend from across a wide geographical area.

The table below shows how they travel to the hospital.

The majority travel by car with much smaller numbers using public transport.

Mode of travel	Staff (percentage)	Patients and Visitors (percentage)	Combined percentage
Car	86.13	82.20	85.12
Bus	4.73	5.70	4.98
Walk	3.15	5.70	3.72
Train	4.21	0.92	3.58
Taxi	0.79	5.49	1.82
Cycle	0.99	0.00	0.78

3. Drive time comparison – Monklands, Glenmavis and Gartcosh

As the majority of patients and staff travel by car we have examined the impact moving the hospital would have on drive times.

These have been calculated with Google Maps on the basis of drive times from a central health centre (or doctor's surgery or pharmacy where there is no health centre) in each town to the hospital or proposed site at 9am on a weekday morning.

These are listed in the table below, along with the time differences between each option.

The potential hospital locations which is quickest to reach from the local health centre each town is highlighted with an asterisk.

We have accounted for the upgrading of any local junctions and access roads in our financial analysis of potential new sites for the hospital.

The Scottish Ambulance Service has noted that improved access to the strategic road network (motorways) will improve journey times for emergency transport and reduce transfer times to other facilities within the region. Impact on patient transport service is unlikely to change.

		To current hospital site at Airdrie (Minutes)	To proposed site at Glenmavis (Minutes)	To proposed site at Gartcosh (Minutes)
University Hospital Monklands Catchment Area	Kilsyth	24	16 (-8)	15 (-9) *
	Cumbernauld	18	12 (-6)	9 (-9) *
	Moodiesburn	17	14 (-3)	7 (-10) *
	Stepps	21	16 (-5)	9 (-12) *
	Coatbridge	7*	10(+3)	12(+5)
	Airdrie	6 *	5 (-1)	16(+10)
	Plains	12 *	12 (0) *	19 (+7)
	Bellshill	16 *	20 (+4)	16 (0) *
	Bothwell	18	24 (+6)	13 (-5) *
	Uddingston	15	20 (+5)	13 (-2) *
Wider NHS Lanarkshire	Hamilton	22	24 (+2)	17 (-5) *

catchment area	Motherwell	21	22 (+1)	16 (-5) *
	Rutherglen	27	24 (-3)	17 (-10) *
	Cambuslang	22	20 (-2)	12 (-10) *
	Wishaw	24	28 (+4)	26 (-2) *
	Carlisle	27 *	29 (+2)	27 (0) *
	Lanark	41	44 (+3)	37(-4) *
	Douglas	38	42 (+4)	32 (-6) *
	Biggar	58	56 (-2)	53 (-5) *
	Shotts	23*	23 (0)*	21(-2) *
	East Kilbride	25	30 (+5)	21 (-4) *
	Blantyre	17	24 (+6)	13 (-4) *

Our advisers SPT/WSP have also explored how people within the Monklands and wider NHS catchment area would access the sites under consideration. This shows the percentage of population who could access the sites within specific times.

Drive times for people within the University Hospital Monklands catchment area

	Gartcosh	Monklands	Glenmavis
Within 15 minutes	90%	82%	55%
Within 20 minutes	100%	100%	97%
Within 25 minutes	100%	100%	100%

Drive times for people within the wider NHS Lanarkshire catchment area

	Monklands	Gartcosh	Glenmavis
Within 25 minutes	93%	89%	78%
Within 30 minutes	97%	96%	91%
Within 35	98%	98%	97%

minutes			
Within 40 minutes	99%	99%	98%

Parking

Parking is becoming increasingly challenging on the existing University Hospital Monklands site as more staff, patients and visitors attend the hospital by car. We know this can create additional stress for people attending the hospital.

The local authority will determine the level of car parking that is provided at the new site. However, we anticipate that building a new hospital will allow us to create a minimum of 300 additional car parking spaces for staff and patients. This would bring the total for the hospital to around 1400.

We plan to implement an effective car parking management scheme to protect spaces for patients, visitors and staff.

4. Public transport

It is important that any new hospital is supported by good public transport links for patients, carers, visitors and staff. We are committed to ensuring that services are as good - if not better - than they are now.

Buses

NHS Lanarkshire will ensure that regular and accessible bus services would be established in any new location. These services would be at least as good as those to the current hospital site. This will be demonstrated as part of the local authority planning process.

Trains

Both Monklands and Gartcosh are close to train stations. Glenmavis does not have a train station nearby. There are, however, three train stations each within 3 miles of the Glenmavis site at Drumgelloch, Airdrie and Greenfaulds

Currently Monklands is served by the Glasgow- Edinburgh line which stops at Coatbridge and Airdrie while Gartcosh is on the Glasgow to Cumbernauld line.

If the new hospital is located at Gartcosh there is also an opportunity to develop a link between Glasgow/Lanark via Motherwell, Coatbridge and Gartcosh. This would mean patients from Airdrie would have to travel to Coatbridge in order to travel to Gartcosh by train but would provide a rail link for people in South Lanarkshire.

Community Transport

NHS Lanarkshire has piloted the use of community transport to provide transport to hospital for patients who aren't able to access public transport services due to, for example, mobility issues.

We plan to establish an integrated transport hub to enable patients to access all available community transport options and to increase the number of volunteer driver schemes in operation.

Costs

Travel costs for patients may change slightly dependent upon where they live although at this point it is not possible to fully assess this. Reimbursement of travel costs is available for patients attending a planned appointment if they are in receipt of a qualifying benefit eg income support, universal credit, NHS tax credit, income-based jobseekers allowance, income-related employment and support allowance, guaranteed pension credit, HC2/HC3 certificate holder. In addition free bus travel is available for anyone 60 or over.

Next steps

We are capturing issues raised regarding travel, transport and access during the consultation period and this feedback will be used as part of the information submitted to the NHS Lanarkshire Board in November when it will decide on the preferred option for the future of University Hospital Monklands.

Once the NHS Lanarkshire Board makes a decision in November for the preferred option for the future of University Hospital Monklands we will go on to develop an outline business case. This will include the development of a full Transport Impact Assessment as part of the local authority planning process.