

Travel and transport – detailed analysis

This appendix includes detail of the travel and transport impact of the proposed OPS Inpatient Transformation options, including detailed methodology, additional data and place travel summary.

From the outset of the programme, one of the major themes we have heard from across a range of stakeholders is the impact on travel of any potential changes.

A key consideration of any potential change is the impact on elderly family and carers who will play a key part in supporting the service user when they're admitted to a ward but might struggle to easily access transport to allow them to visit.

As such, the programme has undertaken a detailed transport analysis to understand what the likely impact is on people from different parts of the Trust footprint that may need to travel to visit a family member or a loved one.

Detailed travel impact analysis has been undertaken on the shortlisted options below. The table here shows both the option number proposed to be used in consultation and the option number that it was on the long-list:

New Option Reference	Description	Original Reference
1 a)	A dedicated central specialised dementia unit developed on Ward 19 in Dewsbury with dedicated specialist functional units in Calderdale and Wakefield with additional functional bed capacity at the Crofton Ward (10 beds relocated at Crofton) and an overall inpatient bed number of 72. The site at Crofton Ward would operate as 2 wards across the 26 beds.	5
1 b)	A dedicated central specialised dementia unit developed on Ward 19 in Dewsbury with dedicated specialist functional units in Calderdale and Wakefield with additional functional bed capacity of 6 beds being relocated to Crofton Ward. This means that Crofton Ward would operate a single 22 bedded mixed gender functional needs only ward.	2
2	A dedicated central specialised dementia unit developed on Crofton Ward in Wakefield with dedicated specialist functional units in Calderdale and Kirklees. This would be a 26-bed dementia unit operating as 2 wards, with 10 beds being relocated from Poplars. Ward 19 and Beechdale would be functional wards.	9

High level analysis has been conducted for the other, discounted, options or close proxies of them. The long-list is below:

Option

<p>Option 1 - No change to the current way of delivering services with three mixed units, one functional only unit and a dementia only unit in the region with an overall inpatient bed number of 74 operational beds in West Yorkshire.</p>
<p>Option 2 – A dedicated central specialised dementia unit developed on Ward 19 with 30 dementia beds across 2 wards on the site. Functional bed capacity would be increased by 6 beds on the Crofton Ward and Beechdale ward being functional only, with Crofton ward being a 22 bedded mixed gender functional ward. Beechdale would be a 16 bed mixed gender functional ward. There would be of 68 operational beds in West Yorkshire. The Poplars site would not be in this model.</p>
<p>Option 3 – A dedicated central specialised dementia unit developed on Ward 19 with 30 dementia beds across 2 wards on the site. A variation on the distribution of the functional bed capacity at Beechdale (one bedroom added) and the Crofton ward (2 bedrooms) and an overall inpatient bed number of 65. The Poplars site would not be in this model.</p>
<p>Option 4 – A dedicated central specialised dementia unit developed on Ward 19 with 30 dementia beds across 2 wards on the site. All other estate maintained as now but with The Poplars becoming a unit for functional illness patients only and with an overall bed number of 74 beds.</p>
<p>Option 5 – A dedicated central specialised dementia unit developed on Ward 19 with 30 dementia beds across 2 wards on the site. Additional functional bed capacity at the Crofton ward (10 beds relocated at Crofton) and an overall inpatient bed number of 72. The site at Crofton would operate as 2 wards across the 26 beds. Beechdale would be 16 bed functional. The Poplars site would not be in this model.</p>
<p>Option 6 –Dementia inpatient care delivered from Beechdale and The Poplars (28 dedicated dementia beds in total) with the Crofton ward remaining as a mixed facility with ward 19 being a functional ward.</p>
<p>Option 7 – Dementia inpatient care delivered from Beechdale ward and a dedicated ward area on the Crofton ward. The Poplars, Ward 19 at Dewsbury, and a ward on the Crofton ward would provide functional inpatient beds.</p>
<p>Option 8 – Dementia inpatient care delivered from Beechdale ward and a dedicated ward area on the Crofton ward. Functional beds would be provided from Ward 19 in Dewsbury, in a separate ward area in the Crofton ward and in the Willow ward. The Poplars site would not be in this model.</p>
<p>Option 9 - Crofton dementia unit, 26 beds (as 2 separate wards). Ward 19 and Beechdale would be functional wards with 46 functional beds in total (The Poplars site not in this model) – <i>this option was added following feedback from clinical senate.</i></p>

Travel Impact Methodology

The following methodology was used to consider the travel impact:

Location:

- Based on a person's home address prior to admission
- Assumes that supporting family members/carers live in the same locality.
- Uses discharge ward

Identification of those with functional and dementia/organic needs is based on diagnosis codes.

Travel time, distance and public transport:

- Uses origin and destination postcodes calculated using online maps/tools
- Estimates are based on one point in time and do not account for volume of traffic at various times in the day.
- Based on all stays over a 4-year period (from 2018/19 – 2021/22).

The following assumptions are made for the options where the central specialist dementia unit is at Ward 19, Dewsbury Hospital:

- All dementia admissions would be to Dewsbury Hospital
- Calderdale and Greater Huddersfield functional/other admissions go to the Beechdale Ward, Calderdale Hospital
- Wakefield and North Kirklees functional/other admissions go to the Crofton Ward, Fieldhead Hospital, Wakefield

This travel impact analysis is applicable for the shortlisted options 1a and b and the long list options 2, 3 and 5 of the options and is a close proxy for option 4. These options all feature Dewsbury as a dementia unit with functional units elsewhere.

The following assumptions are made for the options where the Central specialist dementia unit is at Crofton Ward, Fieldhead Hospital, Wakefield (option 9 in the long list and proposed option 2 for consultation):

- All dementia admissions would be to Crofton Ward, Fieldhead Hospital, Wakefield
- Calderdale and Greater Huddersfield functional/other admissions go to the Beechdale Ward, Calderdale Hospital
- Wakefield and North Kirklees functional/other admissions go to Ward 19, Dewsbury Hospital

Travel analysis has also been conducted for long list option 8, which would involve establishing 2 smaller dementia units, one in Beechdale and one in Fieldhead. This option though was discounted by the clinical senate and therefore only high-level analysis is included. Transport analysis for option 8 is also a close proxy for options 6 and 7 which also both involved having dementia units in Calderdale and Wakefield.

Travel impact – findings

The review of data shows that many people are already admitted outside of their locality. The table below shows that around 300 people were admitted outside of their home locality between 2018 and 2021, which accounts for just under 30% of all admissions:

	Grand Total
Calderdale	171
Kirklees	58
Wakefield	72
Grand Total	301

The data also shows that approximately 30% of people also have more than 1 ward stay as part of their spell (data from 2017/18 onwards):

Number of stays	1	2+	Total
functional	954	242	1196
dementia/organic	321	259	580
Grand Total	1275	501	1776

Many people have stays outside of their locality and many also have more than one ward stay in the current model. However, changing approaches to deliver a specialist model will have a further impact.

Many people move wards and because of this it is more challenging to analyse the impact and compare the travel implications of the multiple ward stays to a future model where we expect people to have just one ward stay.

A Power BI tool has been developed to support analysis of the data. The tool does allow analysis to be undertaken that focusses on different domains such as deprivation and ethnicity.

The travel impact analysis tool considers 970 inpatient spells, of which there were 1305 ward stays.

Whilst the tool has both ward stays and spells, this travel analysis focusses predominantly on the spell and the impact based on discharge ward. All analysis is based on the average numbers per year across the 4 financial years of data.

The travel impact analysis focusses predominantly on:

- Driving distances
- Driving times
- Public transport times

With all of the options for proposed changes, there would be a positive impact for some people. This is because 30% of admissions to older people's beds are outside of the home locality and, for example, people with functional needs in Calderdale would be very likely to be admitted to their local ward in a new model.

However, more family and carers will have further to travel if any specialist model is implemented. The negative impact is greater in the options where the dementia unit is in Wakefield compared to Dewsbury.

Analysis of ward stays and inpatient spells

The table below shows the average numbers of people per year in the analysis. The number of spells shows how many unique inpatient spells there were, whilst ward stays considers the total number of ward stays across these spells.

Need	Place and need	Spells	Ward Stays
Dementia	Calderdale	22	32
Dementia	Greater Huddersfield	15	16
Dementia	North Kirklees	13	15
Dementia	Wakefield	29	54
Functional	Calderdale	46	63
Functional	Greater Huddersfield	38	44
Functional	North Kirklees	34	40
Functional	Wakefield	47	62

The data below shows the number of spells and wards stays per year of the people from the 20% most deprived areas:

Need	Place and need	Spells	Ward Stays
Dementia	Calderdale	6	8
Dementia	Greater Huddersfield	<5	<5
Dementia	North Kirklees	6	7
Dementia	Wakefield	9	15
Functional	Calderdale	12	17
Functional	Greater Huddersfield	8	10
Functional	North Kirklees	14	16
Functional	Wakefield	18	24

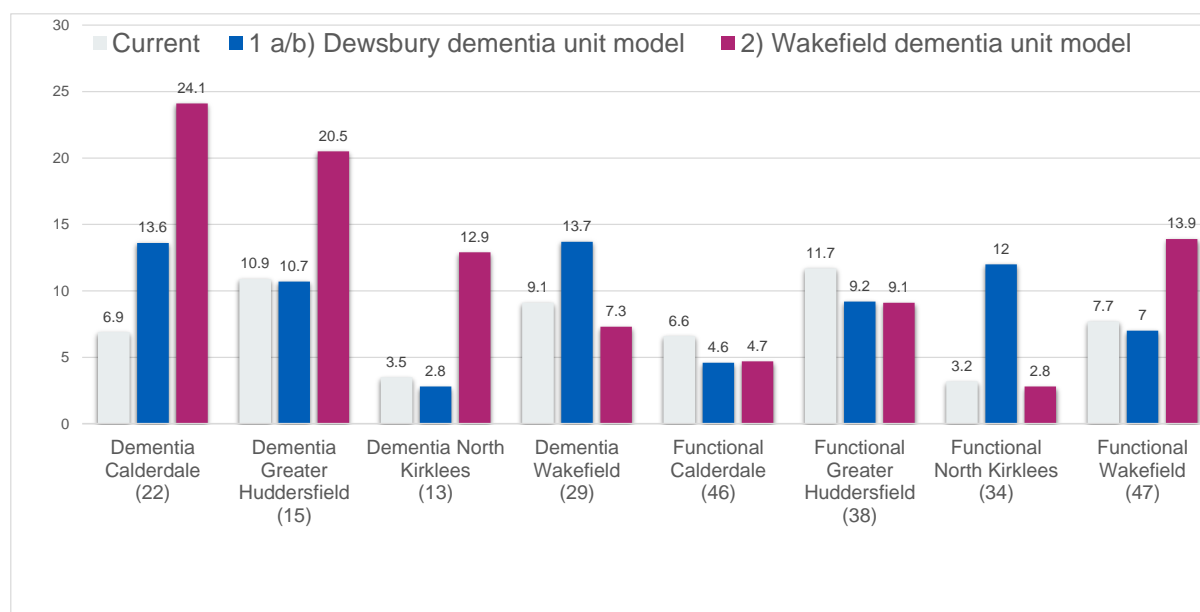
There are very few spells for people with a BAME background per year. There are 5 functional spells per year on average from Greater Huddersfield. There are very few dementia stays of people from a BAME background across the whole system.

Impact on the overall population

The charts below show the average journey distances and times for travel by car to the current and proposed models.

Driving Distance:

The following chart shows the average driving distance based on inpatient spells (discharge ward): with the number of people impacted per in year brackets:



Summary:

If the dementia unit were in Dewsbury:

- The longest average travel distances would be people with dementia from Wakefield (29 people per year) and Calderdale (22 people) with 14-mile average journeys respectively.
- Functional admissions from North Kirklees (34 people) would also be an average of over 10 miles from home, as would dementia admissions from North Kirklees (13 people), though this would be a short average distance than the current model.

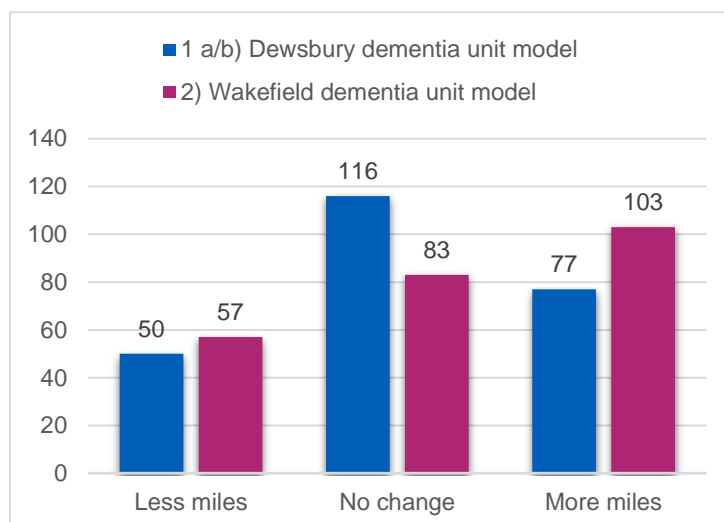
If the Dementia unit were in Wakefield:

- The longest average travel distances would be people with dementia from Calderdale (22 people per year) and Greater Huddersfield (15 people) with 24- and 21-mile average journeys respectively.
- 46 Functional admissions from Wakefield would have an average 14-mile journey from their home and 13 dementia admissions from North Kirklees would average 13 miles.

In both models some people would have less distance to travel. Most notably, people with functional needs from Calderdale who are often admitted outside of the place.

Driving distance – mean change per year:

The chart below shows the numbers of people that would be positively or negatively impacted in terms of driving distance of each option (based on discharge ward):



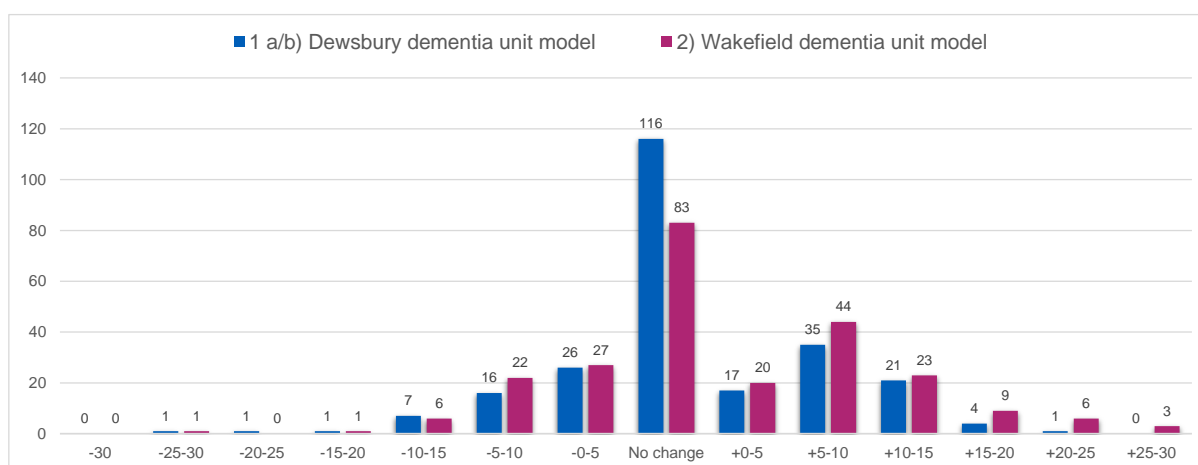
Considering individual stays and based on the discharge ward, in a model with a dementia unit in Dewsbury:

- 50 people would be closer home when discharged
- 116 people would be in the same place
- 77 would be discharged from a ward further away from their home.

Considering individual stays and based on the discharge ward, in a model with a dementia unit in Wakefield:

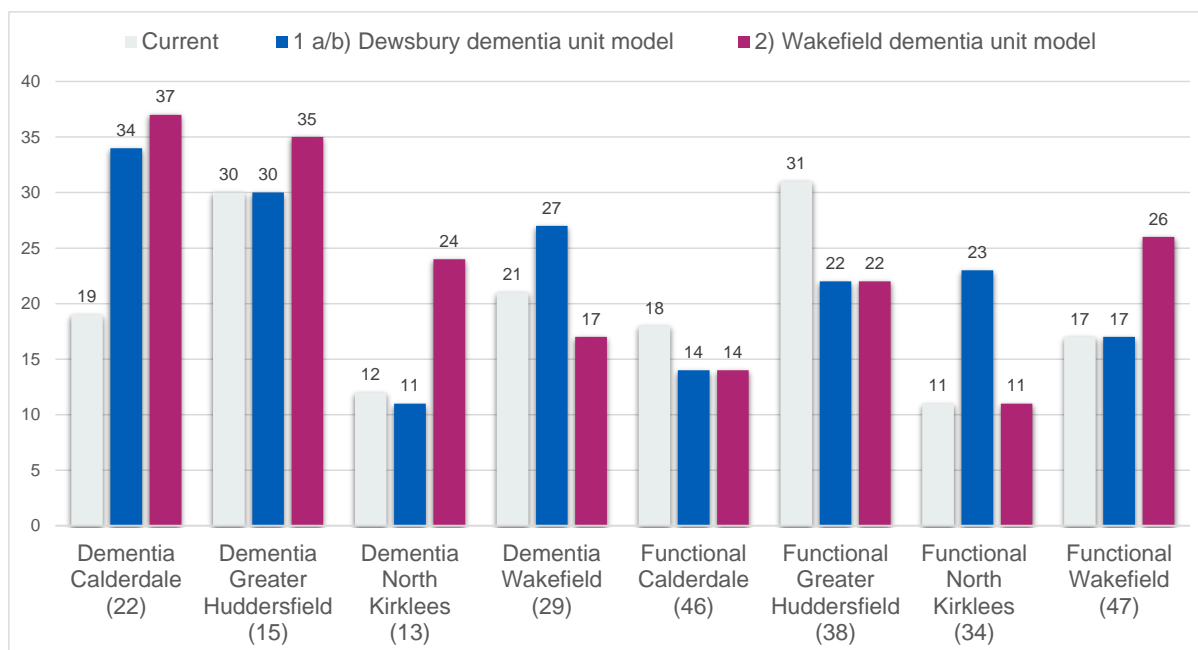
- 57 people would be closer home when discharged
- 83 people would be in the same place
- 103 would be discharged from a ward further away from their home.

Driving distance, grouped into miles:



Driving Travel Time Analysis

The table below shows the average driving time for each option (using discharge ward):

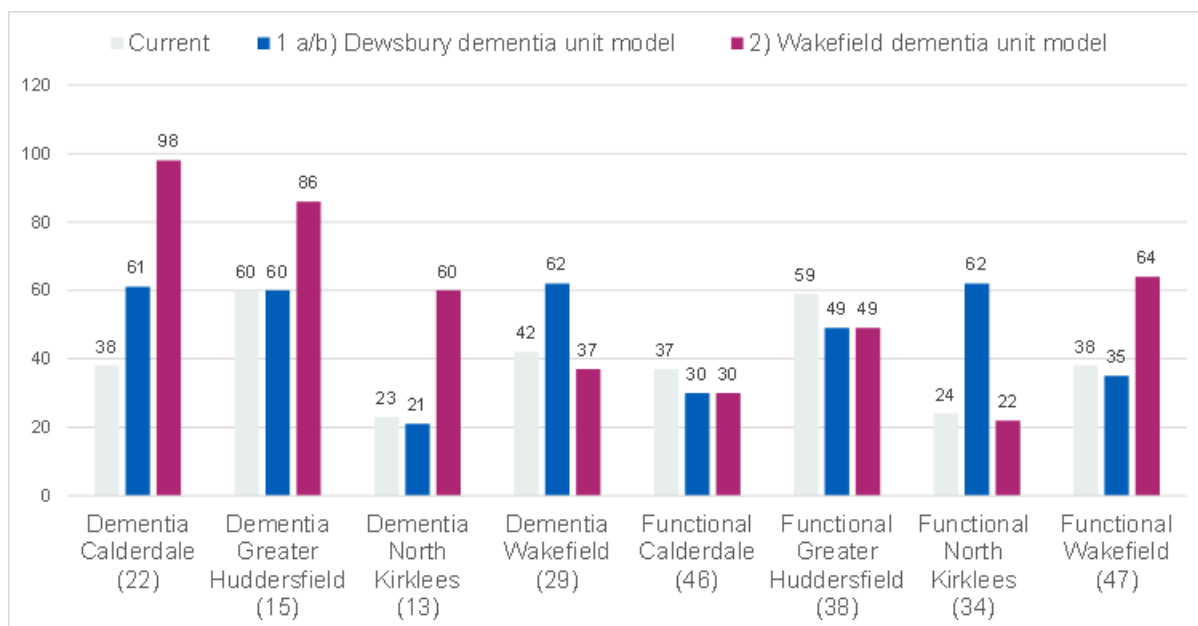


Whilst the travel distance analysis showed some big gaps between options, in particular if people from Calderdale and Greater Huddersfield had to travel to Wakefield for dementia care, the gap narrows in terms of driving times compared to driving distance. This is due to the motorway and dual carriageway access to Wakefield which isn't available when accessing Dewsbury from the north or west.

Public Transport Times:

It is important to understand the impact from a public transport perspective, especially for family and carers who might need to use this service.

The data below shows the public transport times based on the proposed models, with the numbers of people impacted per year in brackets:



In both models there are 4 localities where the average public transport journey would be 1 hour plus.

The Wakefield dementia model would mean that people from Greater Huddersfield (15 people per year) and Calderdale (22 people) would be 86 and 98 minutes journey away respectively.

Average public transport journeys of people in the current model take 60 minutes for functional or organic admissions from Greater Huddersfield.

Places with long (around 1 hour or more) average public transport journeys in the current or future model:

Need	Place	Current (time mins)	1 a/b) Dementia unit in Dewsbury (time mins)	2) Dementia unit in Wakefield (time mins)
Dementia	Calderdale	38	61	98
Dementia	Greater Hudds	60	60	86
Dementia	North Kirklees	23	21	60
Dementia	Wakefield	42	62	37
Functional	Calderdale	37	30	30
Functional	Greater Hudds	59	49	49
Functional	North Kirklees	24	62	22
Functional	Wakefield	38	35	64

Some journeys from different places:

The following gives more of an indication of what some of the journey may be like (taken from WY Metro website journey planner in 2022 to arrive at destination at 1630):

	Day of travel	Dewsbury Hospital	Pinderfields Hospital (sited near Fieldhead)	Calderdale Royal
Kirklees Huddersfield	Weekdays	33 minutes via 1 train and 1 bus	74 minutes via 1 train & 2 buses	38 minutes via 1 bus
	Sundays	43 minutes via 1 train and 1 bus	94 minutes via 2 buses	36 minutes via 1 bus
Holmfirth	Weekdays	75 minutes via 2 buses, 1 train & 2 x 5 minute walks	87 minutes via 2 buses	80 minutes via 2 buses
	Sundays	82 minutes via 2 buses, 1 train & 2 x 5 minute walks	80 minutes via 2 buses	86 minutes via 2 buses
Slaithwaite train station	Weekdays	45 minutes via 2 trains, 1 bus & 1 x 5 minute walk	115 minutes via 3 trains & 1 bus	54 minutes via 1 train & 1 bus
	Sundays	66 minutes as above	115 minutes via 1 train & 1 bus	60 minutes via 1 train & 1 bus
Denby Dale	Weekdays	86 via 2 trains, 1 bus and 2 x 5 minute walks	66 minutes via 2 buses	66 minutes via 1 train & 1 bus
	Sundays	94 minutes as above	61 minutes via 2 buses	63 minutes via 1 train & 1 bus
Bradley	Weekdays	57 minutes via 2 or 3 buses & 5 minute walk	93 minutes via 3 buses	53 minutes via 2 buses

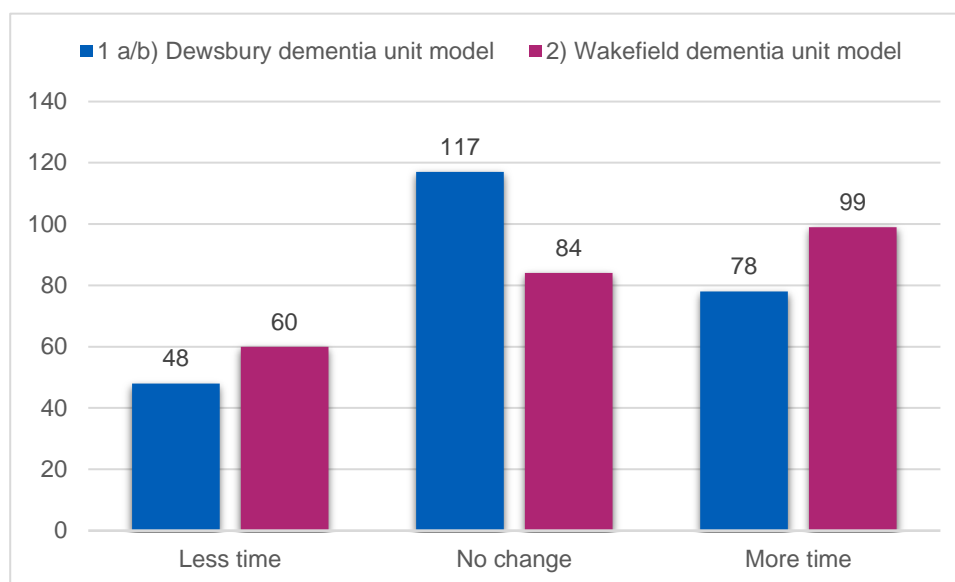
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	Day of travel	Dewsbury Hospital	Pinderfields Hospital (sited near Fieldhead)	Calderdale Royal
	Sundays	60 minutes as above	96 minutes via 3 buses, 1 train & 2 walks x 10 minutes	60 minutes via 2 buses
Mirfield	Weekdays	29 minutes via 2 buses & 1 x 5 minute walk	65 minutes via 1 train & 2 buses	51 minutes via 1 train & 1 bus
	Sundays	26 minutes as above	42 minutes via 1 train & 1 bus	48 minutes via 1 train & 1 bus
Cleckheaton	Weekdays	30 minutes via 1 or 2 buses & 1 x 7 or 17 minute walk	69 minutes via 2 buses	59 minutes via 1 train & 2 buses
	Sundays	25 minutes via 1 or 2 buses & 1 x 7 minute walk	75 minutes via 2 buses	50 minutes via 1 train & 2 buses
Birstall	Weekdays	62 minutes via 2 buses	66 minutes via 3 buses	85 minutes via 1 train & 2 buses
	Sundays	64 minutes as above	67 minutes via 3 buses	82 minutes via 1 train & 2 buses
Heckmondwike	Weekdays	14 minutes via 1 or 2 buses	50 minutes via 2 buses	81 minutes via 2 buses
	Sundays	10 minutes as above	58 minutes via 2 buses	59 minutes via 2 buses
Calderdale Halifax bus or train station	Weekdays	61 minutes via 1 train & 1 bus (from Cleckheaton)	86 minutes via 1 train & 2 buses	19 minutes via 1 bus
	Sundays	76 minutes via 2 or 3 buses (via Bradford) or via 2 trains (via Mirfield) & 1 bus	64 minutes via 1 train & 1 bus	13 minutes via 1 bus
Hebden Bridge	Weekdays	54 minutes via 1 train & 1 bus (via Bradford)	97 minutes via 2 trains & 1 bus	36 minutes via 1 train & 1 bus
	Sundays	85 minutes via 1 train & 1 bus	107 minutes via 2 trains & 1 bus	30 minutes via 1 train & 1 bus
Elland	Weekdays	68 minutes via 2 buses & 1 train (via Huddersfield)	106 minutes via 2 trains & 2 buses	18 minutes via 1 bus
	Sundays	87 minutes via 2 buses (via Huddersfield) & 1 train	90 minutes via 2 trains & 2 buses	13 minutes via 1 bus
Brighouse	Weekdays	36 minutes via 1 train & 1 bus	72 minutes via 1 train & 2 buses	37 minutes via 1 bus
	Sundays	47 minutes via 2 trains & 1 bus	49 minutes via 1 train & 1 bus	35 minutes via 1 bus
Wakefield	Weekdays	55 minutes via 1 bus	14 minutes via 1 bus	89 minutes via 2 trains & 1 bus
	Sundays	42 - 55 minutes via 1 bus	16 minutes via 1 bus	90 minutes via 2 trains & 1 bus
Ossett	Weekdays	45 minutes via 2 buses	42 minutes via 2 buses	83 minutes via 2 buses & 1 train
	Sundays	45 minutes via 2 buses	46 minutes via 2 buses	103 minutes via 3 buses
Horbury	Weekdays	50 minutes via 2 buses	33 minutes via 2 buses	104 minutes via 2 trains
	Sundays	50 minutes via 2 buses	38 minutes via 2 buses	86 minutes via 2 buses
Castleford	Weekdays	73 minutes via 2 trains (via Leeds) & 1 bus	37 minutes via 1 bus	82 minutes via 2 trains & 1 bus

	Day of travel	Dewsbury Hospital	Pinderfields Hospital (sited near Fieldhead)	Calderdale Royal
	Sundays	88 minutes via 3 buses (via Wakefield)	56 minutes via 2 buses	99 minutes via 2 trains
Hemsworth	Weekdays	91 minutes via 2 buses (via Wakefield)	50 minutes via 2 buses	114 minutes via 2 trains & 2 buses
	Sundays	90 minutes via 2 buses & 1 train (via Wakefield)	51 minutes via 2 buses	119 minutes via 2 trains & 2 buses
Pontefract	Weekdays	64 minutes via 1 bus	37 minutes via 1 bus	111 minutes via 2 trains & 2 buses
	Sundays	64 minutes via 1 bus	37 minutes via 1 bus	136 minutes via 2 trains & 2 buses

Public transport – summary of numbers of people that would have shorter or longer public transport journey:

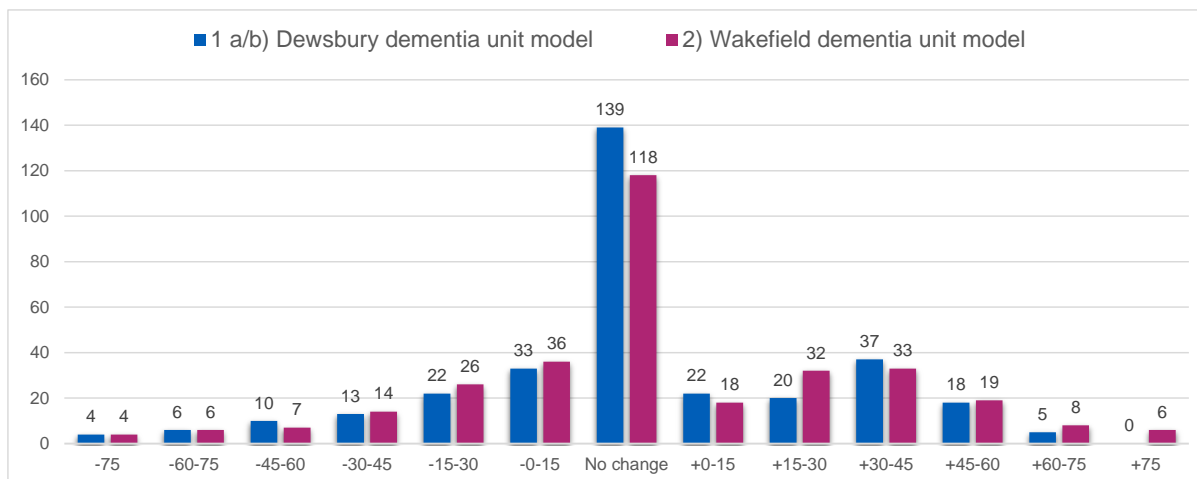
Discharge ward:



Overall, there would be an average of around 80 people per year that would have a longer journey with a dementia unit being in Dewsbury whilst around 100 people per year would have a longer journey to Wakefield.

With both models, some people would have a shorter journey, with the Wakefield dementia unit benefiting slightly more people (12 per year).

Public transport changes grouped:

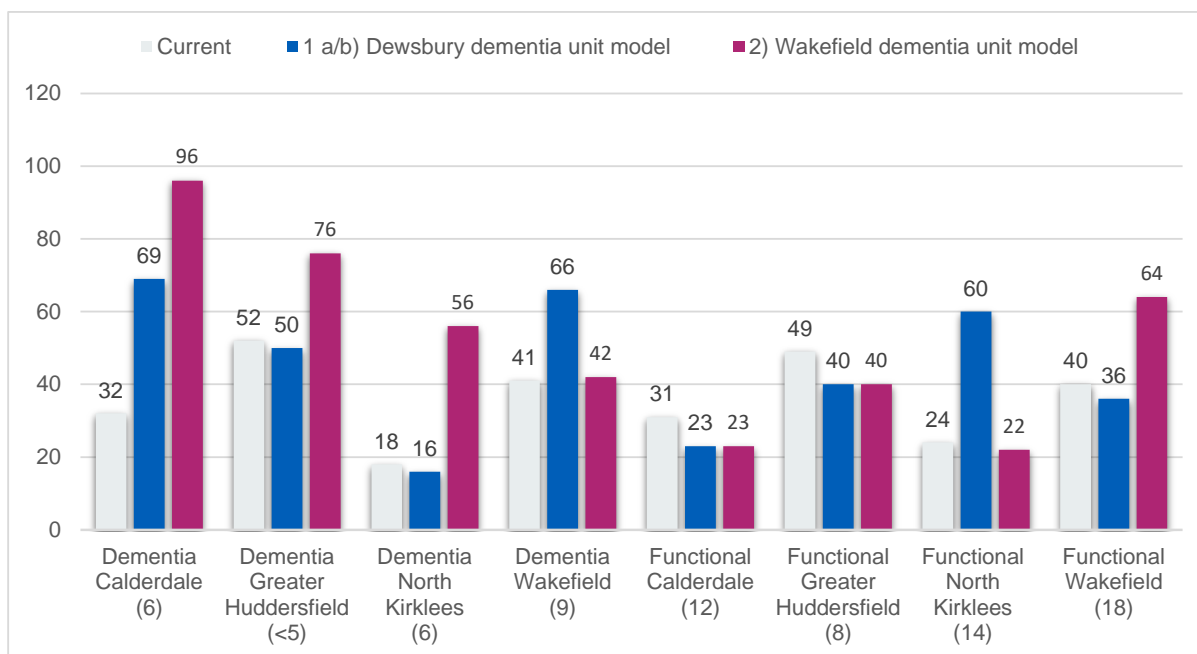


This shows the time difference between the current and future models and there are some journeys that would be over 1 hour more than the current journey. Around 14 people per year would have an extra hour or more to travel in the Wakefield dementia unit model (6 of these being 75 minutes +), whilst 4 people per year would need to travel an hour extra to access the model where Dewsbury has the dementia unit.

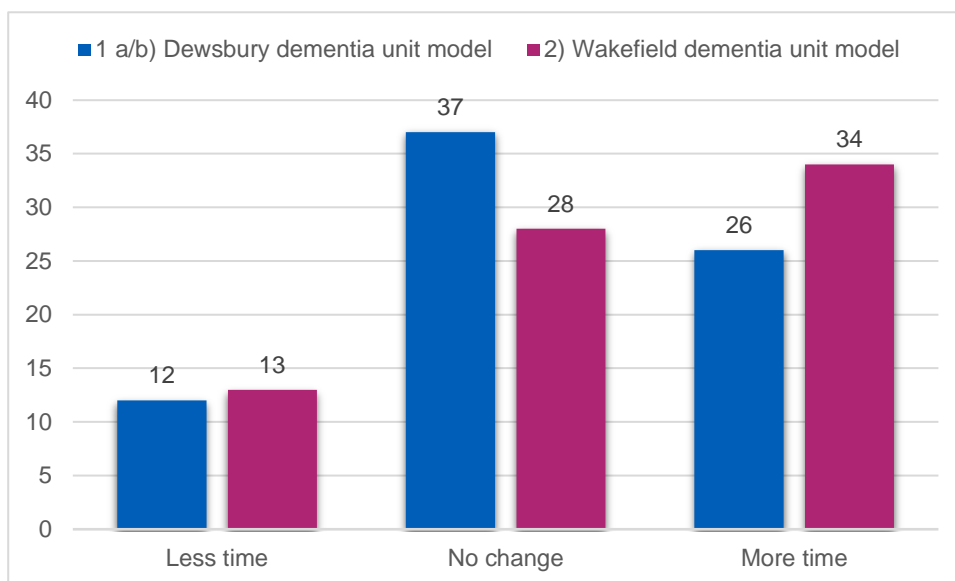
Analysis of impact on the 20% most deprived areas:

The following focusses specifically on the public transport impact of people in the most deprived areas, who are more likely to require use of this mode of transport.

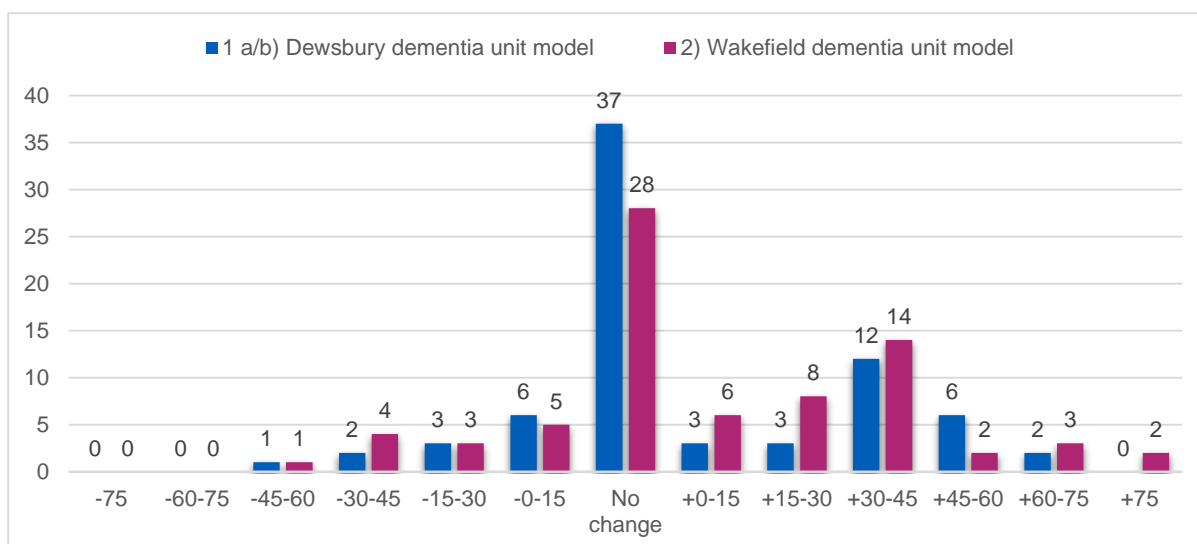
Inpatient spell (using discharge ward):



Public transport – numbers of people that are positively or negatively impacted per year (based on discharge ward):



Public transport times grouped:



When considering the data in terms of the 20% most deprived areas, it shows a similar impact in terms of time required to travel, proportion of people that travel less or more, and the profile of travel time grouped in comparison to the whole population, though the numbers are smaller.

Considerations:

- The numbers are small but not inconsiderable and we know the negative impact could be high on the small numbers of people that struggle to visit their loved ones.
- If the option chosen was the dementia unit in Wakefield a number of people would have significant public transport journeys to visit their loved ones, including journeys around 100 minutes from Calderdale to Wakefield and also very considerable times from Greater Huddersfield, North Kirklees, plus long Wakefield for functional admissions.
- Whilst not as high travel times there are still several significant typical (one hour plus) journeys for people travelling to a model with a dementia unit in Dewsbury, including

people from Calderdale, Great Huddersfield and Wakefield, plus functional admissions from North Kirklees.

- There are clearly some considerable public transport times in the current model, regardless of any change. Greater Huddersfield does not have an inpatient facility so people from this area would have a long journey and factoring in the 30% of people are admitted outside of their locality.

Access for BAME populations

We know also that people from black and minority ethnic groups are more likely to be from deprived areas. However, there are very few admissions and especially low numbers of dementia admissions for people from a BAME background.

Public Transport costs

There are options available for people using public transport (Metro travel) within West Yorkshire. Currently (as of June 2023), people do not have to pay more than £2 for an adult single ticket or £4.50 for a Metro Card (MCard) day saver ticket for travel on any bus across West Yorkshire valid anytime. A weekender ticket costs £8.50 which can be bought on the bus for unlimited bus travel from 6pm on Fridays until midnight on Sundays on any bus, anywhere in West Yorkshire.

People travelling by bus and train would pay £10.10 off-peak and £15.60 peak for a bus and rail day saver ticket across the West Yorkshire area.

Off-Peak Countywide Bus and Train tickets are valid on any bus from 09:30 and on any train from 09:30 to 16:01, and from 18:30, Monday to Friday, and all day at weekends and public holidays. A daily ticket is £9.10 or £4.55 (concessionary)

People who have reached the state pension age and are a permanent resident of West Yorkshire will qualify for a Senior Pass. A Senior Pass provides:

- Free, off-peak bus travel throughout England. Off-peak is after 9.30am Monday to Friday, and all day at weekends and Bank Holidays.
- Half-fare, off-peak train travel throughout West Yorkshire, for West Yorkshire residents. Off-peak is Monday to Friday after 09:30 until 16:00, then after 18:30. All day on weekends & public holidays. Anyone travelling by train during the weekday evening peak - 16:01 to 18:29 - will need to buy an Anytime Day Single or Anytime Day Return ticket. The half-fare only applies to travel within West Yorkshire. If part of the journey falls outside of West Yorkshire, full fare will be paid for that part of the journey.

As well as this, there is currently a **free public transport option** that could support part of our population with a bus that runs across the Mid Yorkshire Hospital footprint, from Pontefract to Pinderfields in Wakefield and Dewsbury Hospital.

Taxi fares

Travelling by taxi may be another option for some people if they are unable to use public transport or they are unable to drive. Some high-level analysis has been carried out on the cost of taxi journeys. See below for an example of taxi costs, from June 2023 (link: [Ossett to Dewsbury District Hospital \(rome2rio.com\)](https://rome2rio.com)):

From	Dewsbury Hospital	Fieldhead Hospital	Calderdale Royal
Ossett	£10 - £13	£14 - £17	£40 - £55
Hebden Bridge	£45 - £55	£70 - £90	£22 - £27
Huddersfield	£20 - £24	£45 - £60	£18 - £22
Pontefract	£35 - £45	£24 - £29	£75 - £95

Voluntary and Community Sector (VCSE) travel support

The VCSE can also offer an alternative transport option for people who have trouble in accessing other forms of transport to visit their loved one in hospital.

We do know that local transport offers do exist in place, often delivered through VCSE organisation but often these might be place based and for example, focussed on patients themselves rather than family or carers that need to visit.

Age UK [Transport services for the elderly and disabled | Age UK](#) and Calderdale Community Transport [Home \(ctcalderdale.co.uk\)](#) offer older people support to arrange transport with a local provider, such as Dial-a-Bus or the [Royal Voluntary Service](#) however, there may be a small charge to cover the cost of petrol.

The Trust does also currently work with service users and carers/families to find and access appropriate transport support, including supporting them to find public transport options and transport support through the VCSE sector.

Use of technology

There is a chat pad offer on every ward in the Trust which uses ZOOM and has been rolled out as a result of covid-19. People staying on the wards can ask to use the system to connect with loved ones, family, friends and carers. It can also be used to contact an advocate.

Parking charges

The table below summarises the parking charges of each site (as of December 2022)

Location	Hospital	Costs
Calderdale	The Dales Calderdale Royal Hospital	30 mins (free) Up to 2hrs (£3.00) Up to 4hrs (£5.00) Up to 6hrs (£6.00) Up to 24hrs (£8.00)
Kirklees	Priestley Unit (Dewsbury and District Hospital)	Less than 20 mins (free) Up to 1hr (£2.00) 1-2hrs (£2.80) 2-4hrs (£5.00) 4- 24hrs (£6.90)
Wakefield	Fieldhead Hospital The Poplars	Free

Summary of travel Impact

Whilst changing models would lead to a positive impact in terms of transport for some people, all proposed change options models have a negative overall impact on travel.

With a dementia unit in Wakefield (option 2), overall, more people would have to travel further than if the dementia unit were in Dewsbury.

In the Dewsbury (W19) dementia model option (1 a/b) there are on average 80 people a year who would have to travel further than now. In the Wakefield dementia model there would be around 100 people per year, though both would be offset by some people that would have shorter journeys.

Specifically, there is an additional negative impact for all people with dementia travelling from Calderdale. People from Calderdale who would rely on public transport if we had the specialist ward in Wakefield would face particularly long journeys.

There are some lengthy public transport times to Wakefield, in particular for people from Calderdale. They would have on average around 60 minutes travel to Dewsbury and 100 minutes to Wakefield.

However, there are also some longer public transport journeys in both models and the current model.

When looking at just the 20% most deprived areas, findings highlight:

- Around 25-35 people per year would have further to travel as a result of the changes.
- Around 6 people per year from Calderdale's most deprived areas will have a 70 minute public transport journey to Dewsbury and 95 minutes to Wakefield (on average).

Car travel **distance** is higher to a Wakefield Dementia model. So is car travel **time**, but the gap narrows as a result of motorway and dual carriageway access to Wakefield.

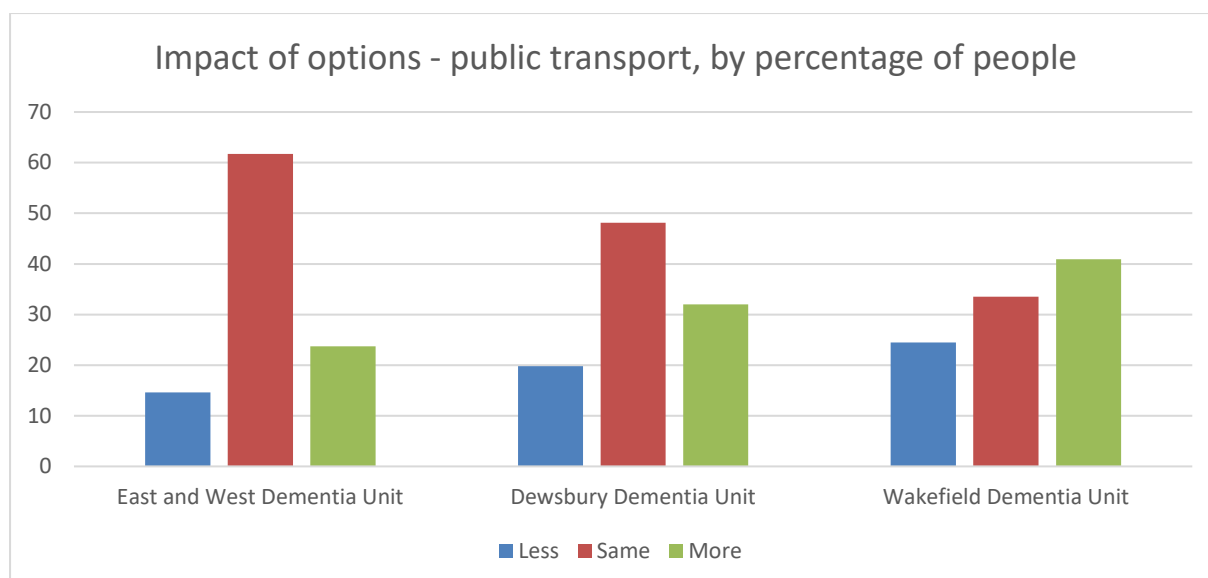
When factoring in car travel times, the longest average journey in either option is less than 40 minutes (from Calderdale to Wakefield). The longest average car journey with the Dewsbury dementia unit model is less than 35 minutes (Calderdale to Dewsbury). Some individual journeys will be longer as these represent averages.

Therefore, whilst some of the current public transport journeys clearly create challenges, people that can travel by car, on the whole, would not face exceptionally long journeys.

Discounted Options

Some of the options that were discounted from a quality perspective did involve establishing an east / west split of dementia units, with a dementia unit in Beechdale, Calderdale and another in Wakefield.

Travel analysis shows that these options would still have an impact in terms of travel for family and carers, with around 24% spells being further from home, though this is a lower impact than the options with a single specialist dementia unit:



More information on travel impact of discounted options can be made available on request.

Staff Travel Impact

Staff travel impact will be considered in more detail in the formal consultation process and further in any subsequent staff consultation process that might lead to changes in staff terms and conditions.

Current staff roles are based on generic job descriptions that could apply to both functional and dementia wards. Feedback from informal conversations with staff members suggests that there may be a small proportion of people that would wish to move wards if it changed function. This too will be explored further in consultation.

The Poplars service is proposed to be relocated in any of the shortlisted options. This means there will be a travel impact on the 29 substantive staff (in post in July 2023) that are based on the Poplars wards.

Data based on the home addresses of staff show that on average the Poplars ward is 0.8 miles closer than Fieldhead Hospital from people's home address. 9 staff members would have 7 miles + further to travel to Fieldhead and would be entitled to excess travel support for 4 years. Fewer than 5 people would be between 4-7 miles further and would receive support for 18 months.

This assumes that most staff would wish to relocate to the Fieldhead site regardless of the option eventually taken forward for implementation. The average distance from home to Dewsbury, for example, is further overall than to Fieldhead though it is similar or shorter distance to Dewsbury for around 40% of the staff. So, depending on eventual preferred option and staff preference there could be opportunities for some staff to choose to relocate to Wakefield and others to Dewsbury.

Travel impact by payband

14 of the staff (July 2023) are payband 2 and 3 and these people are more likely to live closer to the ward. The average extra travel distance from the Poplars to Fieldhead is 3.1 miles for people from these paybands.

7 of 14 the people will have 7 miles + further to travel. Fewer than 5 staff members are closer to Fieldhead hospital and fewer than 5 would be further from Fieldhead but less than 3 miles further.

Place Travel impact

The following gives a more detailed breakdown of the potential place impact. Where there are fewer than 5 people per year information has been suppressed.

Calderdale Travel Impact:

We would expect most people with functional needs to be admitted to the Beechdale ward and these make up around 60% of the bed use. This means that around 60% of people from Calderdale would still be admitted locally. That environment would be the same as it is now, and whilst issues such as line of sight in the ward cannot be fixed, the patient group will benefit considerably by the specialism of functional only.

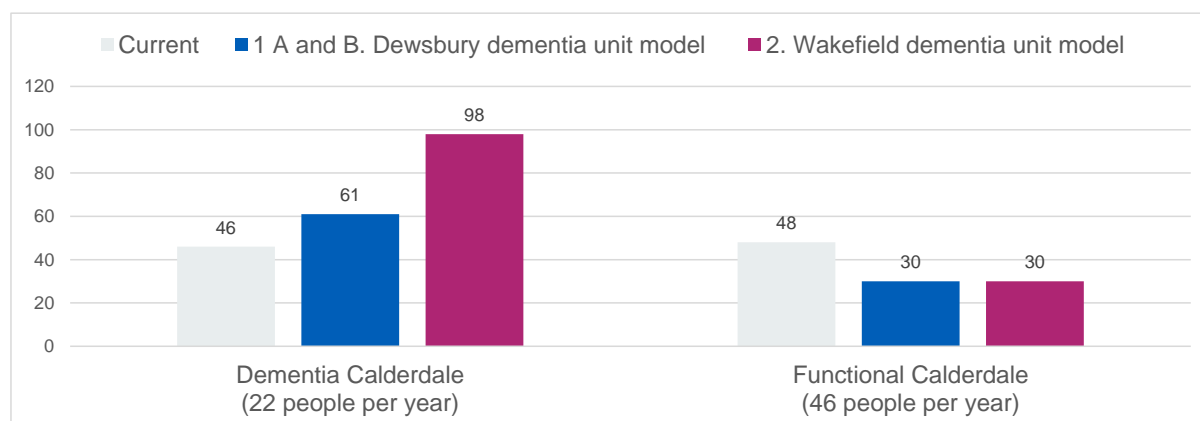
Around 40% of people requiring an inpatient stay from Calderdale will do so because of dementia and they will be admitted elsewhere in the proposals.

In options 1a and b, around 20 people per year with dementia will stay in Dewsbury and in option 2, those people would stay in Wakefield.

Because of the current people travelling outside of the locality, the overall travel impact of people in Calderdale is more limited.

The charts below show the travel time impact based on average public transport journeys for both dementia and functional admissions.

To note: the charts show the average public transport time of journey in minutes, the white bar being the current time, the blue bar being the average time expected for options 1a and b, and the purple bar being the expected journey time for option 2.



A key difference between options is the extra travel time required for people with dementia, who will have a longer journey to Wakefield.

Dementia Breakdown:

Travel Distance

Table summary of mean average distance:

Comparing numbers of inpatient spells based on discharge ward:

OPS Inpatient Transformation – Travel and Transport Analysis

Place	Need	Indicator	Type	Model	Numbers of people or stays	Distance
Calderdale	Dementia	Driving Distance	Discharge Ward	Current	22	6.9
Calderdale	Dementia	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	22	13.6
Calderdale	Dementia	Driving Distance	Discharge Ward	Wakefield Dementia Unit	22	23.9

Including all ward stay analysis:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Distance
Calderdale	Dementia	Driving Distance	Discharge Ward	Current	22	6.9
Calderdale	Dementia	Driving Distance	Non discharge ward	Current	10	16.2
Calderdale	Dementia	Driving Distance	Ward Stays	Current	32	9.8
Calderdale	Dementia	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	22	13.6
Calderdale	Dementia	Driving Distance	Discharge Ward	Wakefield Dementia Unit	22	23.9

Driving Distance for all people from Calderdale requiring a dementia admission.

The data shows:

- 22 people per year have an inpatient spell.
- Mean driving distance currently from home address based on discharge ward of the spell is 6.9 miles.
- In a model where the specialist dementia unit were at Dewsbury this would increase to 13.6 miles
- At Wakefield it would be 23.9 miles on average.
- There were 32 ward stays on average across the 22 spells.
- The average distance from home of all ward stays is 9.8 miles.
- The 10 people (45%) that had more than one stay had a 16 mile average journey on their first part of the spell.

Driving Time Analysis

Comparing numbers of inpatient spells based on discharge ward:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Calderdale	Dementia	Driving Time	Discharge Ward	Current	22	19.0
Calderdale	Dementia	Driving Time	Discharge Ward	Dewsbury Dementia Unit	22	34.0
Calderdale	Dementia	Driving Time	Discharge Ward	Wakefield Dementia Unit	22	37.0

Including ward stay analysis:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Calderdale	Dementia	Driving Time	Discharge Ward	Current	22	19.0
Calderdale	Dementia	Driving Time	Non discharge ward	Current	10	35.0
Calderdale	Dementia	Driving Time	Ward Stays	Current	32	24.0
Calderdale	Dementia	Driving Time	Discharge Ward	Dewsbury Dementia Unit	22	34.0
Calderdale	Dementia	Driving Time	Discharge Ward	Wakefield Dementia Unit	22	37.0

- Just under 20 minutes driving time currently for people based on discharge ward.
- This would be 34 minutes on average to Dewsbury and 37 minutes to Wakefield.

- The 10 people (45%) that had more than one stay had a 35 minute average journey on their first part of the spell.

Public Transport Times

Comparing numbers of inpatient spells based on discharge ward:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Calderdale	Dementia	Public Transport Time	Discharge Ward	Current	22	38
Calderdale	Dementia	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	22	61
Calderdale	Dementia	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	22	98

Including ward stay analysis:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Calderdale	Dementia	Public Transport Time	Discharge Ward	Current	22	38
Calderdale	Dementia	Public Transport Time	Non discharge ward	Current	10	67
Calderdale	Dementia	Public Transport Time	Ward Stays	Current	32	47
Calderdale	Dementia	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	22	61
Calderdale	Dementia	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	22	98

- Just under 40 minutes average public transport time based on current discharge ward for 22 people per year.
- 10 people, 45%, with more than one stay – the average public transport journey would've been 67 minutes for the first part of their inpatient spell.
- Average public transport times for the 22 people to Dewsbury is 61 minutes, to Wakefield, 98 minutes.

Functional Impact – Calderdale

Driving Distance for all people from Calderdale requiring a functional admission.

Just considering discharge ward:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Calderdale	Functional	Driving Distance	Discharge Ward	Current	46	6.6
Calderdale	Functional	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	46	4.6
Calderdale	Functional	Driving Distance	Discharge Ward	Wakefield Dementia Unit	46	4.7

Including all ward stays:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Calderdale	Functional	Driving Distance	Discharge Ward	Current	46	6.6
Calderdale	Functional	Driving Distance	Non discharge ward	Current	17	15.9
Calderdale	Functional	Driving Distance	Ward Stays	Current	63	9.1
Calderdale	Functional	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	46	4.6
Calderdale	Functional	Driving Distance	Discharge Ward	Wakefield Dementia Unit	46	4.7

The data shows:

- 46 people per year have an inpatient spell.
- Mean driving distance currently from home address based on discharge ward of the spell is 6.6 miles.
- There were 63 ward stays on average across the 46 spells.
- The average distance from home of all ward stays is 9.1 miles.
- The 17 people (37%) that had more than one stay had just under a 16 mile average journey on their first part of the spell.

Driving Time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Calderdale	Functional	Driving Time	Discharge Ward	Current	46	18.0
Calderdale	Functional	Driving Time	Discharge Ward	Dewsbury Dementia Unit	46	14.0
Calderdale	Functional	Driving Time	Discharge Ward	Wakefield Dementia Unit	46	14.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Calderdale	Functional	Driving Time	Discharge Ward	Current	46	18.0
Calderdale	Functional	Driving Time	Non discharge ward	Current	17	36.5
Calderdale	Functional	Driving Time	Ward Stays	Current	63	23.0
Calderdale	Functional	Driving Time	Discharge Ward	Dewsbury Dementia Unit	46	14.0
Calderdale	Functional	Driving Time	Discharge Ward	Wakefield Dementia Unit	46	14.0

- Just under 20 minutes driving time currently for people based on discharge ward.
- The 17 people (37%) that had more than one stay had a 37 minute average journey on their first part of the spell.

Public transport time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Calderdale	Functional	Public Transport Time	Discharge Ward	Current	46	37.0
Calderdale	Functional	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	46	30.0
Calderdale	Functional	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	46	30.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Calderdale	Functional	Public Transport Time	Discharge Ward	Current	46	37.0
Calderdale	Functional	Public Transport Time	Non discharge ward	Current	17	74.1
Calderdale	Functional	Public Transport Time	Ward Stays	Current	63	47.0
Calderdale	Functional	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	46	30.0
Calderdale	Functional	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	46	30.0

- Just under 40 minutes average public transport time based on current discharge ward for 46 people per year.
- 17 people, 37%, with more than one stay – the average public transport journey would've been just under 75 minutes for the first part of their inpatient spell.

Kirklees Travel Impact

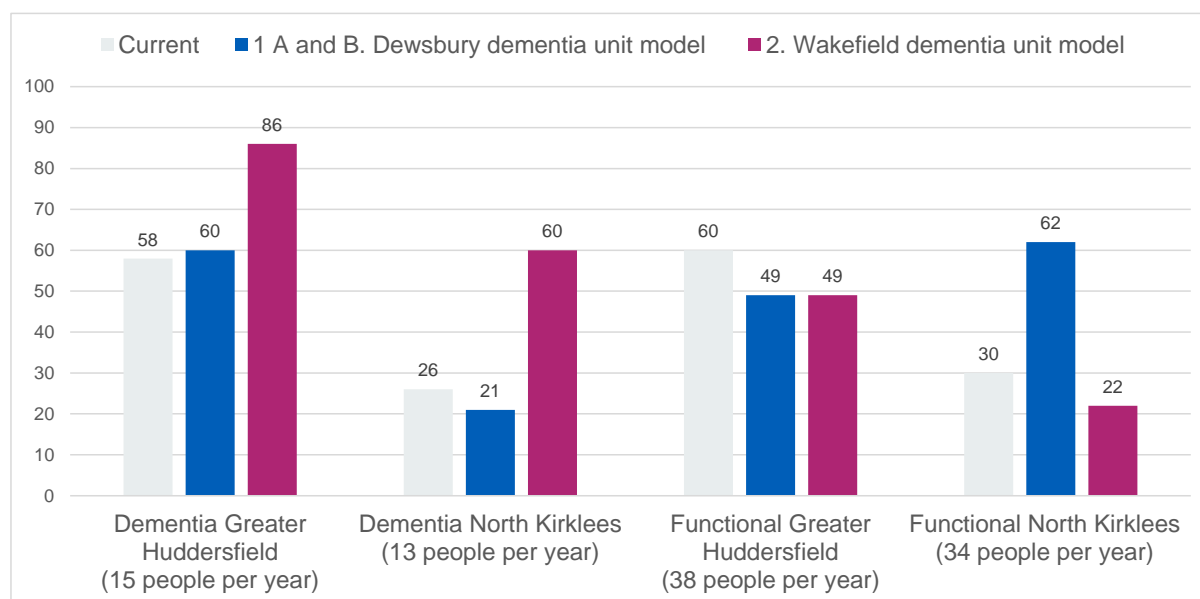
In option 1a and b functional service users will be admitted outside of Kirklees. People from North Kirklees would likely be admitted to Wakefield which would be further away than Dewsbury in the current model. People from Greater Huddersfield would be admitted to Calderdale, which, on average is a similar distance from Dewsbury where people are likely to be admitted in the current model. Because both options include more functional beds in Wakefield than Calderdale, it is possible that some people will require admissions into Wakefield.

People with dementia will be admitted locally.

The charts below show the public transport impact. It assumes that people from Greater Huddersfield are admitted to Calderdale and shows the biggest impact is on the functional stays from North Kirklees, which impact around 35 people per year who would have around an hour public transport journey to Wakefield:

In option 2, people with functional needs will be admitted locally but people with dementia will be admitted to Wakefield. This means that approximately 16 people per year from Greater Huddersfield would have an 85 minute journey on average, whilst around 15 people per year from North Kirklees would have an hour journey.

To note: the charts show the average public transport time of journey in minutes, the white bar being the current time, the blue bar being the average time expected for options 1a and b, and the purple bar being the expected journey time for option 2.



Greater Huddersfield - Dementia

Driving Distance

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Greater Hudds	Dementia	Driving Distance	Discharge Ward	Current	15	10.9
Greater Hudds	Dementia	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	15	10.7
Greater Hudds	Dementia	Driving Distance	Discharge Ward	Wakefield Dementia Unit	15	20.5

The table with all ward stays has not been included due to low numbers and therefore the additional data has been suppressed.

Driving Distance for all people from Greater Huddersfield requiring a dementia admission.

The data shows:

- 15 people per year have an inpatient spell.
- Mean driving distance currently from home address based on discharge ward of the spell is 10.9 miles.
- In a model where the specialist dementia unit were at Dewsbury this would reduce to 10.7 miles
- At Wakefield it would be 20.5 miles on average.
- There were 16 ward stays on average across the 15 spells.
- The average distance from home of all ward stays is 11 miles.

Driving Time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Greater Hudds	Dementia	Driving Time	Discharge Ward	Current	15	30.0
Greater Hudds	Dementia	Driving Time	Discharge Ward	Dewsbury Dementia Unit	15	30.0
Greater Hudds	Dementia	Driving Time	Discharge Ward	Wakefield Dementia Unit	15	35.0

The table with all ward stays has not been included due to low numbers and therefore the additional data has been suppressed. 30 minutes driving time currently for people based on discharge ward.

- In a model where the dementia unit was in Dewsbury the driving time wouldn't change (30 minutes).
- If the dementia unit was in Wakefield this would increase to 35 minutes.

Public transport time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Greater Hudds	Dementia	Public Transport Time	Discharge Ward	Current	15	60.0
Greater Hudds	Dementia	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	15	60.0
Greater Hudds	Dementia	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	15	86.0

Table with all ward stays has not been included due to low numbers and therefore the additional data has been suppressed.

- 60 minutes is the average public transport time based on current discharge ward for 15 people per year.
- Average public transport times for the 15 people to travel to Dewsbury is 60 minutes and to Wakefield would be 86 minutes.

North Kirklees Dementia

Driving Distance

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
North Kirklees	Dementia	Driving Distance	Discharge Ward	Current	13	3.5
North Kirklees	Dementia	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	13	2.8
North Kirklees	Dementia	Driving Distance	Discharge Ward	Wakefield Dementia Unit	13	12.9

The table with all ward stays has not been included due to low numbers and therefore the additional data has been suppressed.

Driving Distance for all people from North Kirklees requiring a dementia admission.

The data shows:

- 13 people per year have an inpatient spell.
- Mean driving distance currently from home address based on discharge ward of the spell is 3.5 miles.
- In a model where the specialist dementia unit were at Dewsbury this would reduce to 2.8 miles
- At Wakefield it would be 12.9 miles on average.
- There were 15 ward stays on average across the 13 spells.
- The average distance from home of all ward stays is 4.6 miles.

Driving Time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
North Kirklees	Dementia	Driving Time	Discharge Ward	Current	13	12.0
North Kirklees	Dementia	Driving Time	Discharge Ward	Dewsbury Dementia Unit	13	11.0
North Kirklees	Dementia	Driving Time	Discharge Ward	Wakefield Dementia Unit	13	24.0

The table with all ward stays has not been included due to low numbers and therefore the additional data has been suppressed.

- 12 minutes driving time currently for people based on discharge ward.
- This would be slightly reduced to 11 minutes on average if everyone with dementia were admitted to Dewsbury.
- It would be 24 minutes if everyone with dementia were admitted to Wakefield.

Public transport time

Just considering discharge ward

Table here

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
North Kirklees	Dementia	Public Transport Time	Discharge Ward	Current	13	23.0
North Kirklees	Dementia	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	13	21.0
North Kirklees	Dementia	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	13	60.0

The table with all ward stays has not been included due to low numbers and therefore the additional data has been suppressed.

- Just under 25 minutes average public transport time based on current discharge ward for 13 people per year.
- Average public transport times for the 13 people to Dewsbury is 21 minutes, to Wakefield 60 minutes.

Greater Huddersfield Functional

Driving Distance

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Greater Hudds	Functional	Driving Distance	Discharge Ward	Current	38	11.7
Greater Hudds	Functional	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	38	9.1
Greater Hudds	Functional	Driving Distance	Discharge Ward	Wakefield Dementia Unit	38	9.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Greater Hudds	Functional	Driving Distance	Discharge Ward	Current	38	11.7
Greater Hudds	Functional	Driving Distance	Non discharge ward	Current	6	13.2
Greater Hudds	Functional	Driving Distance	Ward Stays	Current	44	11.9
Greater Hudds	Functional	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	38	9.1
Greater Hudds	Functional	Driving Distance	Discharge Ward	Wakefield Dementia Unit	38	9.0

Driving Distance for all people from Greater Huddersfield requiring a functional admission.

The data shows:

- 38 people per year have an inpatient spell.
- Mean driving distance currently from home address based on discharge ward of the spell is 11.7 miles.
- There were 44 ward stays on average across the 38 spells.
- The average distance from home of all ward stays is 11.9 miles.
- The 6 people per year (16%) that had more than one stay had a 13.2-mile average journey on their first part of the spell.

Driving Time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Greater Hudds	Functional	Driving Time	Discharge Ward	Current	38	31.0
Greater Hudds	Functional	Driving Time	Discharge Ward	Dewsbury Dementia Unit	38	22.0
Greater Hudds	Functional	Driving Time	Discharge Ward	Wakefield Dementia Unit	38	22.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Greater Hudds	Functional	Driving Time	Discharge Ward	Current	38	31.0
Greater Hudds	Functional	Driving Time	Non discharge ward	Current	6	31.0
Greater Hudds	Functional	Driving Time	Ward Stays	Current	44	31.0
Greater Hudds	Functional	Driving Time	Discharge Ward	Dewsbury Dementia Unit	38	22.0
Greater Hudds	Functional	Driving Time	Discharge Ward	Wakefield Dementia Unit	38	22.0

- 31 minutes average driving time currently for people from Greater Huddersfield based on both discharge ward and the average ward stay.
- This would reduce to an average 22 minutes if people are admitted to Calderdale.

Public transport time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Greater Hudds	Functional	Public Transport Time	Discharge Ward	Current	38	59.0
Greater Hudds	Functional	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	38	49.0
Greater Hudds	Functional	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	38	49.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Greater Hudds	Functional	Public Transport Time	Discharge Ward	Current	38	59.0
Greater Hudds	Functional	Public Transport Time	Non discharge ward	Current	6	66.3
Greater Hudds	Functional	Public Transport Time	Ward Stays	Current	44	60.0
Greater Hudds	Functional	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	38	49.0
Greater Hudds	Functional	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	38	49.0

- Just under 60 minutes average public transport time based on current discharge ward for 38 people per year.
- 6 people, 16%, with more than one stay – the average public transport journey would've been 67 minutes for the first part of their inpatient spell.
- The public transport times would reduce to around 50 minutes with either option if all people are admitted to Calderdale.

North Kirklees Functional

Driving Distance

Just considering discharge ward:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
North Kirklees	Functional	Driving Distance	Discharge Ward	Current	34	3.2
North Kirklees	Functional	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	34	12.0
North Kirklees	Functional	Driving Distance	Discharge Ward	Wakefield Dementia Unit	34	3.0

Including all ward stays:

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
North Kirklees	Functional	Driving Distance	Discharge Ward	Current	34	3.2
North Kirklees	Functional	Driving Distance	Non discharge ward	Current	6	9.2
North Kirklees	Functional	Driving Distance	Ward Stays	Current	40	4.1
North Kirklees	Functional	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	34	12.0
North Kirklees	Functional	Driving Distance	Discharge Ward	Wakefield Dementia Unit	34	3.0

Driving Distance for all people from North Kirklees requiring a functional admission.

The data shows:

- 34 people per year have an inpatient spell.
- Mean driving distance currently from home address based on discharge ward of the spell is 3.2 miles.
- There were 40 ward stays on average across the 34 spells.
- The average distance from home of all ward stays is 4.1 miles.
- The 6 people (15%) that had more than one stay had a 9.2-mile average journey on their first part of the spell.
- If the dementia ward is in Dewsbury functional admissions will travel further, 12 miles on average.
- If the dementia admissions were in Wakefield, then functional admissions would be local, averaging 3 miles away.

Driving Time

Just considering discharge ward

OPS Inpatient Transformation – Travel and Transport Analysis

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
North Kirklees	Functional	Driving Time	Discharge Ward	Current	34	11.0
North Kirklees	Functional	Driving Time	Discharge Ward	Dewsbury Dementia Unit	34	23.0
North Kirklees	Functional	Driving Time	Discharge Ward	Wakefield Dementia Unit	34	11.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
North Kirklees	Functional	Driving Time	Discharge Ward	Current	34	11.0
North Kirklees	Functional	Driving Time	Non discharge ward	Current	6	24.3
North Kirklees	Functional	Driving Time	Ward Stays	Current	40	13.0
North Kirklees	Functional	Driving Time	Discharge Ward	Dewsbury Dementia Unit	34	23.0
North Kirklees	Functional	Driving Time	Discharge Ward	Wakefield Dementia Unit	34	11.0

- Just over 10 minutes driving time currently for people based on discharge ward.
- The 6 people (15%) that had more than one stay had just under a 25-minute average journey on their first part of the spell
- The average driving time from home of all ward stays is 13 minutes.
- If the dementia unit is in Dewsbury, people would be admitted to Wakefield with an average 23 minute driving time.
- If the dementia admissions were in Wakefield, then functional admissions would be local, averaging 11 minutes drive away.

Public transport time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
North Kirklees	Functional	Public Transport Time	Discharge Ward	Current	34	24.0
North Kirklees	Functional	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	34	62.0
North Kirklees	Functional	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	34	22.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
North Kirklees	Functional	Public Transport Time	Discharge Ward	Current	34	24.0
North Kirklees	Functional	Public Transport Time	Non discharge ward	Current	6	50.7
North Kirklees	Functional	Public Transport Time	Ward Stays	Current	40	28.0
North Kirklees	Functional	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	34	62.0
North Kirklees	Functional	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	34	22.0

- Just under 25 minutes average public transport time based on current discharge ward for 34 people per year.
- 6 people, 15%, with more than one stay – the average public transport journey would've been 51 minutes for the first part of their inpatient spell.
- The average public transport from home of all ward stays is 28 minutes.
- If the dementia unit is in Dewsbury, people would be admitted to Wakefield with an average 62-minute public transport time.
- If the dementia admissions were in Wakefield, then functional admissions would be local, averaging 22 minutes public transport journey.

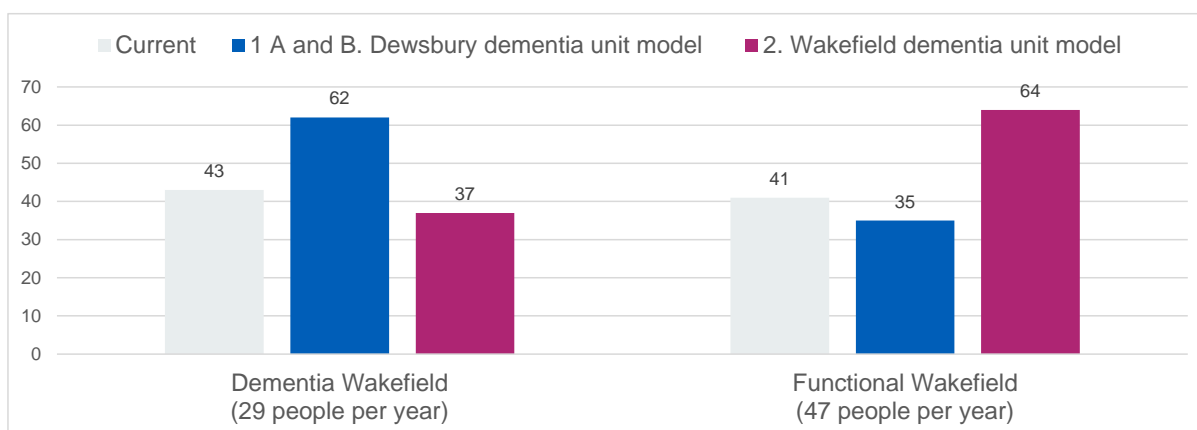
Wakefield Travel Impact

There will be a travel impact of both options, with either people with functional needs or dementia being admitted to Dewsbury, depending on which option is preferred.

Travel impact of options 1a and b, around 30 people per year would have a greater journey to Dewsbury.

Travel impact of option 2 around 50 people per year with functional needs would have greater journeys to Dewsbury.

To note: the charts show the average public transport time of journey in minutes, the white bar being the current time, the blue bar being the average time expected for options 1a and b, and the purple bar being the expected journey time for option 2.



Wakefield Dementia

Driving Distance

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Wakefield	Dementia	Driving Distance	Discharge Ward	Current	29	9.1
Wakefield	Dementia	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	29	13.7
Wakefield	Dementia	Driving Distance	Discharge Ward	Wakefield Dementia Unit	29	7.3

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Wakefield	Dementia	Driving Distance	Discharge Ward	Current	29	9.1
Wakefield	Dementia	Driving Distance	Non discharge ward	Current	25	8.7
Wakefield	Dementia	Driving Distance	Ward Stays	Current	54	8.9
Wakefield	Dementia	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	29	13.7
Wakefield	Dementia	Driving Distance	Discharge Ward	Wakefield Dementia Unit	29	7.3

Driving Distance for all people from Wakefield requiring a dementia admission.

The data shows:

- 29 people per year have an inpatient spell.
- Mean driving distance currently from home address based on discharge ward of the spell is 9.1 miles.
- In a model where the specialist dementia unit were at Dewsbury this would increase to 13.7 miles
- At Wakefield it would be 7.3 miles on average.
- There were 54 ward stays on average across the 29 spells.
- The average distance from home of all ward stays is 8.9 miles.
- The 25 people (86%) that had more than one stay had 9 mile average journey on their first part of the spell.

Driving Time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Wakefield	Dementia	Driving Time	Discharge Ward	Current	29	21.0
Wakefield	Dementia	Driving Time	Discharge Ward	Dewsbury Dementia Unit	29	27.0
Wakefield	Dementia	Driving Time	Discharge Ward	Wakefield Dementia Unit	29	17.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Wakefield	Dementia	Driving Time	Discharge Ward	Current	29	21.0
Wakefield	Dementia	Driving Time	Non discharge ward	Current	25	18.8
Wakefield	Dementia	Driving Time	Ward Stays	Current	54	20.0
Wakefield	Dementia	Driving Time	Discharge Ward	Dewsbury Dementia Unit	29	27.0
Wakefield	Dementia	Driving Time	Discharge Ward	Wakefield Dementia Unit	29	17.0

- Just over 20 minutes driving time currently for people based on discharge ward.
- The 25 people (86%) that had more than one stay had a 19 minute average journey on their first part of the spell.
- The average drive time from home of all ward stays is 20 minutes.
- If the dementia unit is in Dewsbury, people from Wakefield would be admitted there with an average 27 minute drive.
- If the dementia admissions were in Wakefield then people would be admitted to Fieldhead hospital with a 17 minute drive on average.

Public transport time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Wakefield	Dementia	Public Transport Time	Discharge Ward	Current	29	42.0
Wakefield	Dementia	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	29	62.0
Wakefield	Dementia	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	29	37.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Wakefield	Dementia	Public Transport Time	Discharge Ward	Current	29	42.0
Wakefield	Dementia	Public Transport Time	Non discharge ward	Current	25	42.0
Wakefield	Dementia	Public Transport Time	Ward Stays	Current	54	42.0
Wakefield	Dementia	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	29	62.0
Wakefield	Dementia	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	29	37.0

- Just over 40 minutes average public transport time based on current discharge ward for 29 people per year, which is the same for all 54 ward stays.
- Average public transport times for the 29 people to Dewsbury is 62 minutes, to Wakefield, 37 minutes.
- If the dementia ward is in Dewsbury all people would be admitted to it at an average of 62 minutes public transport journey.
- If the dementia admissions were in Wakefield, the average public transport journey would be 37 minutes.

Wakefield Functional

Driving Distance

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Wakefield	Functional	Driving Distance	Discharge Ward	Current	47	7.7
Wakefield	Functional	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	47	7.0
Wakefield	Functional	Driving Distance	Discharge Ward	Wakefield Dementia Unit	47	13.9

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Distance
Wakefield	Functional	Driving Distance	Discharge Ward	Current	47	7.7
Wakefield	Functional	Driving Distance	Non discharge ward	Current	15	11.4
Wakefield	Functional	Driving Distance	Ward Stays	Current	62	8.6
Wakefield	Functional	Driving Distance	Discharge Ward	Dewsbury Dementia Unit	47	7.0
Wakefield	Functional	Driving Distance	Discharge Ward	Wakefield Dementia Unit	47	13.9

Driving Distance for all people from Wakefield requiring a functional admission.

The data shows:

- 47 people per year have an inpatient spell.
- Mean driving distance currently from home address based on discharge ward of the spell is 7.7 miles.
- There were 62 ward stays on average across the 47 spells.
- The average distance from home of all ward stays is 8.6 miles.
- The 15 people per year (32%) that had more than one stay had 11.4-mile average journey on their first part of the spell.

- If the dementia unit is in Dewsbury all admissions from Wakefield will be local, and the 47 stays will be 7 miles away, on average.
- If the dementia unit is in Wakefield, functional admission will be to North Kirklees, which average 14 miles away.

Driving Time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Wakefield	Functional	Driving Time	Discharge Ward	Current	47	17.0
Wakefield	Functional	Driving Time	Discharge Ward	Dewsbury Dementia Unit	47	17.0
Wakefield	Functional	Driving Time	Discharge Ward	Wakefield Dementia Unit	47	26.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Average Time
Wakefield	Functional	Driving Time	Discharge Ward	Current	47	17.0
Wakefield	Functional	Driving Time	Non discharge ward	Current	15	25.3
Wakefield	Functional	Driving Time	Ward Stays	Current	62	19.0
Wakefield	Functional	Driving Time	Discharge Ward	Dewsbury Dementia Unit	47	17.0
Wakefield	Functional	Driving Time	Discharge Ward	Wakefield Dementia Unit	47	26.0

- 17 minutes driving time currently for people based on discharge ward.
- The 15 people (32%) that had more than one stay had a 25.3 minutes average journey on their first part of the spell.
- If the dementia unit is in Dewsbury, functional admission will be local in Wakefield with an average driving time of 17 minutes.
- If the dementia unit is in Wakefield, people will need to travel to Dewsbury with an average driving time of 26 minutes.

Public transport time

Just considering discharge ward

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Wakefield	Functional	Public Transport Time	Discharge Ward	Current	47	38.0
Wakefield	Functional	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	47	35.0
Wakefield	Functional	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	47	64.0

Including all ward stays

Place	Need	Indicator	Type	Model	Numbers of people or stays	Time
Wakefield	Functional	Public Transport Time	Discharge Ward	Current	47	38.0
Wakefield	Functional	Public Transport Time	Non discharge ward	Current	15	54.5
Wakefield	Functional	Public Transport Time	Ward Stays	Current	62	42.0
Wakefield	Functional	Public Transport Time	Discharge Ward	Dewsbury Dementia Unit	47	35.0
Wakefield	Functional	Public Transport Time	Discharge Ward	Wakefield Dementia Unit	47	64.0

- Just under 40 minutes average public transport time based on current discharge ward for 47 people per year.
- 15 people, 32%, with more than one stay – the average public transport journey would've been just under 55 minutes for the first part of their inpatient spell.
- If the dementia unit is in Dewsbury, then the 47 people will be admitted locally, with an average public transport time of 35 minutes.
- If the dementia unit is in Wakefield, people will need to travel to Dewsbury, at an average public transport journey time of 64 minutes.