

Disabled people's Transport Behaviour: Secondary analysis of NTS 2024 Technical Appendix

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Disabled people's transport behaviour – a secondary analysis of NTS 2024: Technical Appendix

This technical appendix includes further details on the derived variables created for the purpose of this report and the full outputs generated in the multivariable analysis.

Weighting applied¹

The National Travel Survey comes with a range of weights for different purposes. The weight used for this report was the interview sample weight. This includes all households where everybody eligible to take part in an interview participated in one. This weight included the following stages:

- The interview sample weights were calculated to correct for unequal probabilities of selection in the survey design. Each sampled address was assigned an initial weight based on its chance of being selected within the multi-stage sampling framework. This ensured that households in less frequently sampled areas were appropriately represented in the data.
- **Weighting for household participation:** The aim of the household participation weights is to attempt to reduce bias caused by systematic differences between the households that participated in NTS and those that did not. To generate the non-response weights, a logistic regression model was fitted with whether or not an eligible household participated as the outcome measure and terms associated with household participation as the covariates (region, rural-urban classification, Output Area Classification supergroups 2021 and month that address was issued).
- **Weighting for the removal of households with missing individual interviews.** The aim of these weights is to reduce the bias from the removal of households that did not have a completed individual interview for all household members. This ensured that the achieved individual sample better reflected the population profile.
- **Calibration weighting** Finally, the interview weights were calibrated to external population benchmarks. The weighted totals were aligned with mid-year population estimates by key variables, including age, sex and region. This calibration ensured that the final interview sample matched known population distributions.

Derived Variables

A number of variables were recoded for the purpose of this report and these changes are recorded below. These derived variables group answer categories from survey questions for the purpose of analysis. The table below shows the derived variable, the original name from the NTS dataset, and the final answer categories.

¹ Full details of survey weighting can be found in the NTS 2024 technical report, chapter 5 weighting. [Chapter 5 Weighting - GOV.UK](#)

Table A1: Derived variables		
Derived variable	Original variable name(s)	Changes to variable and final response categories
Chapter three		
Limitation from health condition	LimitAct_B01ID	New variable created from one variable to identify people who experience day to day limitation from their health condition: • Yes, limited • No limitation
People who are disabled according to the Equality Act definition	Healll_B01ID=1 LimitAct_DV	New variable created from two variables to identify who qualifies to meet the equalities act definition of disability: • Yes, disability • No disability
People with a visual impairment who do and do not have a driving licence	Disability_DV (derived from variable outlined above Healll_B01ID and LimitAct_DV), ImpCatVision and DrivLic_B01ID	New variable created from three variables to identify who is disabled, has a visual impairment and does and does not have a driving licence: • Visually impaired, can drive • Visually impaired, no driving licence • Not visually impaired
People with a visual impairment and other impairments	Disability_DV ImpCatVision notvision	New variable created from three variables to identify who is disabled with a visual impairment with or without other impairments: • Disability, vision impairment only • Disability, vision impairment plus other impairment

		• Disability, other impairments - no vision impairment • No disability
Number of health conditions people experience	ImpCatVision ImpCatHearing ImpCatMobility ImpCatDexterity ImpCatLearning ImpCatMemory ImpCatMentalHealth ImpCatStamina ImpCatSocial ImpCatSpeech ImpCatOther	New variable created to group people according to the number of impairments they experience: • One • Two or Three • Four or more
Number of health conditions people experience	HealCount_DV (derived variable defined above)	New variable created from derived variable to classify different number categories: • One • Two or more
Whether disabled and has a cognitive health condition	Disability_DV ImpCat (ImpCatMemory, ImpCatLearning, and ImpCatSocial)	New variable created from three categories to identify people with a cognitive impairment: • Cognitive • No
Whether disabled and has a health condition affecting communication	Disability_DV ImpCat (ImpCatHearing and ImpCatSpeech)	New variable created from two categories to identify people with a communication impairment: • Hearing or speech • No
Whether disabled and has a visual impairment	Disability_DV ImpCat (ImpCatVision)	New variable created from one category to identify people with a visual impairment: • Vision • No
Whether disabled and has a health condition affecting mobility	Disability_DV ImpCat (ImpCatMobility)	New variable created from one category to identify people with an impairment that affects mobility: • Mobility • No

Whether disabled and has another type of physical condition	Disability_DV ImpCat (ImpCatDexterity and ImpCatStamina)	New variable created from one category to identify people with other physical impairment(s): • Other physical • No
Whether disabled and has a mental health condition	Disability_DV ImpCat (ImpCatMentalHealth)	New variable created from one category to identify people with an impairment that affects mental health: • Mental health • No
Whether disabled and has another type of health condition	Disability_DV ImpCat (ImpCatOther)	New variable created from one variable to identify people with other impairment(s): • Other impairment • No
Chapter four		
Granular frequency of bus use	OrdBus2Freq_B01ID BusOut_B01ID	New variable created from two variables: • At least once a day • 5 or more times a week, but not everyday • 3 or 4 times a week • Once or twice a week • Less than that but than twice a month • Once or twice a month • Less than that but more than twice a year • Once or twice a year • Less than once a year • Never
Frequency of bus use	BusfreqBusOut_DV (derived variable outlined above, from OrdBus2Freq_B01ID BusOut_B01ID)	New variable created from one variable: • At least once a week

		• Less than once per week but at least once a month • Less than once a month but at least once a year • Less than once a year or never
Frequency of scooter use	EScooterFreq_B01ID	New variable created from one variable: • At least once a week • Less than once per week but at least once a month • Less than once a month but at least once a year • Less than once a year or never
Frequency of train use	Train2Freq_B01ID	New variable created from one variable: • At least once a week • Less than once per week but at least once a month • Less than once a month but at least once a year • Less than once a year or never
Frequency of coach use	Coach2Freq_B01ID	New variable created from one variable: • At least once a week • Less than once per week but at least once a month • Less than once a month but at least once a year

		• Less than once a year or never
Frequency of taxi use	TaxiCab2Freq_B01ID	New variable created from one variable: • At least once a week • Less than once per week but at least once a month • Less than once a month but at least once a year • Less than once a year or never
Frequency of plane use	Plane2Freq_B01ID	New variable created from one variable: • At least once a week • Less than once per week but at least once a month • Less than once a month but at least once a year Less than once a year or never
Granular frequency of bicycle use	Bicycle3Freq_B01ID Cycle12_B01ID	New variable created from two variables: • At least once a day • 5 or more times a week, but not everyday • 3 or 4 times a week • Once or twice a week • Less than that but than twice a month • Once or twice a month • Less than that but more than twice a year • Once or twice a year

		• Less than once a year or never
Frequency of bicycle use	CyclefrequCycle12_DV (derived variable outlined above, from Bicycle3Freq_B01ID Cycle12_B01ID)	New variable created from one variable: • At least once a week • Less than once per week but at least once a month • Less than once a month but at least once a year • Less than once a year or never
Granular frequency of walking	Walk2Freq_B01ID FootOut_B01ID	New variable created from two variables: • At least once a day • 5 or more times a week, but not everyday • 3 or 4 times a week • Once or twice a week • Less than that but than twice a month • Once or twice a month • Less than that but more than twice a year • Once or twice a year • Less than once a year or never
Frequency of walking	WalkfrequFootOut_DV (derived variable outlined above, from Walk2Freq_B01ID FootOut_B01ID)	New variable created from one variable: • At least once a week • Less than once per week but at least once a month • Less than once a month but at least once a year

		• Less than once a year or never
Frequency of private car use	PrivCar2_B01ID	New variable created from one variable: • At least once a week • Less than once per week but at least once a month • Less than once a month but at least once a year • Less than once a year or never
Type of driving licence	DrivLic_B01ID	Recoded variable to smaller number of categories: • License (full or provisional) • No driving license
Chapter five		
Age categories	Age_B01ID	New variable created to group ages: • 18 to 29 • 30 to 49 • 50 to 64 • 65 to 74 • 75+'
Ethnicity categories	EthGrp2_B01ID	New variable created to group ethnicities: • Asian, Asian British, or Asian Welsh • Black, Black British, Black Welsh, Caribbean, or African • Mixed or Multiple ethnic groups • White • Other ethnic group
Economic activity categories	EcoStat_B03ID	New variable created to group economic activity:

		• Working full or part time • Economically inactive
Household structure categories	HHoldStruct_B03ID	New variable created to group household structure: • Single adult • Multiple adults, no children • Single parent family • Two or more adults and children
Difficulties travelling to places other than work (binary)	Difficulties_doctors Difficulties_hospital Difficulties_friends Difficulties_social Difficulties_childrenschoo Difficulties_education Difficulties_other	New variable created from answer option variables for difficulties to places other than work to identify if someone experiences difficulties in at least one area (binary): • Difficulties travelling (non-work) • No difficulties travelling
Types of difficulties travelling to places other than work	YDiff1Far YDiff1PublicTransportImpos YDiff1PublicTransportReli YDiff1PublicTransportCost YDiff1PublicTransportInfo YDiff1PoorConnection YDiff1PublicTransportUnpleas YDiff1NoLicence YDiff1Petrol YDiff1ParkFac YDiff1ParkCost YDiff1Health YDiff1Safe YDiff1Traffic YDiff1Other	New variable created with type of difficulty people experiencing difficulties travelling to places other than work: • Too far or long journey • Journey not possible by public transport • Unreliable public transport • Cost of using public transport or taxis • Poor information about public transport services • Poor connection

		• Finds public transport unpleasant • Don't have current driving licence or can't drive • Cost of petrol • Lack of parking facilities • Cost of parking • Personal health condition or illness • Concerns over personal safety • Traffic, congestion or roadworks • Other
Difficulties travelling to work by car (binary)	CarWFar CarWCarUnavail CarWNoDrive CarWPetrol CarWParkFac CarWParkCost CarWTraffic CarWPublicTransportBad CarWPublicTransportCost CarWHealth CarWSafe CarWOther	New variable created from answer option variables for difficulties to work (binary): • Difficulties with transport to work, by car • No difficulties with transport to work, by car
Difficulties travelling to work not by car (binary)	OthWFar OthWPublicTransportImpos OthWPublicTransportReli OthWPublicTransportCost OthWPublicTransportInfo OthWPublicPoorConnection OthWPublicTransportUnpleas OthWHealth OthWSafe OthWTraffic OthWNoCycLane OthWWeather OthWOther	New variable created from answer option variables for difficulties to work (binary): • Difficulties with transport to work, by other modes of transport • No difficulties with transport to work, by other modes of transport
Chapter seven		
Use of online services (binary)	OnlinePlanAdvance OnlineJourneyInformation OnlinePurchasingMainlineTickets	New variable created from answer option variables for use of

	OnlinePurchasingOtherTrainTickets OnlinePurchaseFerryTickets OnlinePurchaseBusTickets OnlinePurchaseAirTickets OnlineCheckInFlight OnlineTransportAdmin OnlineBookTaxi OnlineCarParking OnlineHireCar OnlineOther	online services (binary): • Yes, used online services • No, did not use online services
Number of types of transport related online services used	OnlinePlanAdvance OnlineJourneyInformation OnlinePurchasingMainlineTickets OnlinePurchasingOtherTrainTickets OnlinePurchaseFerryTickets OnlinePurchaseBusTickets OnlinePurchaseAirTickets OnlineCheckInFlight OnlineTransportAdmin OnlineBookTaxi OnlineCarParking OnlineHireCar OnlineOther	New variable created from answer options for number of online services used: • Zero • One • Two • Three • Four • Five • Six • Seven • Eight • Nine • Ten • Eleven • Twelve

Sample profile

The table below shows the weighted sample profile of **the NTS 2024 across the key demographic variables used in this analysis.**

Table B1: Sample profile for age			
Base: all respondents.			
Age	Disabled people	Non-disabled people	Total
18 to 29	11%	20%	18%
30 to 49	20%	37%	34%
50 to 64	27%	24%	25%
65 to 74	18%	11%	12%
75+	24%	8%	11%
<i>Unweighted base</i>	<i>3,189</i>	<i>12,969</i>	<i>16,326</i>
<i>Weighted base</i>	<i>3,036</i>	<i>13,516</i>	<i>16,742</i>

Table B2: Sample profile for sex			
Base: all respondents.			
Sex	Disabled people	Non-disabled people	Total
Male	41%	50%	48%
Female	59%	50%	52%
<i>Unweighted base</i>	<i>3,186</i>	<i>12,965</i>	<i>16,319</i>
<i>Weighted base</i>	<i>3,030</i>	<i>13,512</i>	<i>16,732</i>

Table B3: Sample profile for ethnicity			
Base: all respondents.			
Ethnicity	Disabled people	Non-disabled people	Total
Asian, Asian British, or Asian Welsh	6%	12%	11%
Black, Black British, Black Welsh, Caribbean, or African	3%	4%	4%
Mixed or Multiple ethnic groups	1%	2%	2%
White	88%	80%	81%
Other ethnic group	1%	2%	2%
<i>Unweighted base</i>	<i>3,185</i>	<i>12,961</i>	<i>16,314</i>
<i>Weighted base</i>	<i>3,032</i>	<i>13,506</i>	<i>16,728</i>

Table B4: Sample profile for area type			
Base: all respondents.			
Area type	Disabled people	Non-disabled people	Total
Rural	16%	16%	16%
Urban	84%	84%	84%
<i>Unweighted base</i>	<i>3,189</i>	<i>12,969</i>	<i>16,326</i>
<i>Weighted base</i>	<i>3,036</i>	<i>13,516</i>	<i>16,742</i>

Table B5: Sample profile for economic activity			
Base: all respondents.			
Economic activity	Disabled people	Non-disabled people	Total

Working full or part time	28%	71%	63%
Economically inactive	72%	29%	37%
<i>Unweighted base</i>	<i>3,186</i>	<i>12,956</i>	<i>16,261</i>
<i>Weighted base</i>	<i>3,033</i>	<i>13,502</i>	<i>16,667</i>

Table B6: Sample profile for household structure			
Base: all respondents.			
Household Structure	Disabled people	Non-disabled people	Total
Single adult	31%	12%	15%
Multiple adults, no children	52%	55%	55%
Single parent family	3%	2%	2%
Two or more adults and children	14%	31%	28%
<i>Unweighted base</i>	<i>2,956</i>	<i>12,378</i>	<i>15,497</i>
<i>Weighted base</i>	<i>2,879</i>	<i>13,122</i>	<i>16,187</i>

Table B7: Sample profile for household income			
Base: all respondents.			
Household income	Disabled people	Non-disabled people	Total
Less than £25,000	42%	17%	22%
£25,000 to £49,999	29%	24%	25%
£50,000 and over	29%	59%	54%
<i>Unweighted base</i>	<i>3,189</i>	<i>12,967</i>	<i>16,296</i>
<i>Weighted base</i>	<i>3,036</i>	<i>13,513</i>	<i>16,709</i>

Table B8: Sample profile for Index of Multiple Deprivation			
Base: all respondents.			
Index of Multiple Deprivation	Disabled people	Non-disabled people	Total
1 (most deprived)	27%	18%	20%
2	20%	19%	19%
3	22%	21%	21%

4	17%	21%	21%
5 (least deprived)	14%	21%	20%
<i>Unweighted base</i>	<i>3,189</i>	<i>12,969</i>	<i>16,326</i>
<i>Weighted base</i>	<i>3,036</i>	<i>13,516</i>	<i>16,742</i>

Multivariable analysis

We used a combination of logistic regression and multinomial regression models to analyse the NTS 2024 data. These multivariable methods are designed to allow relationships between a number of characteristics to be analysed simultaneously and were used to explore the relationship between travel behaviour and disability status and travel behaviour and a range of impairment types, whilst taking into account demographic characteristics.

For both the logistic and multinomial models, a range of predictor variables were regressed on key outcomes. The resulting models allow us to assess the strength and nature of the relationship between each single predictor variable and the key outcome while holding all remaining predictor variables constant. Logistic regression is used where the outcome is binary and multinomial regression is used where the key outcome had three categories.

The outcomes used in the regression models were

- Access to a car within the household (combining those who had a car in their household and were main drivers, other drivers or non-drivers vs drivers/non-drivers without a car in the household);
- Whether experienced difficulties travelling to work (yes or no);
- Whether experienced difficulties travelling for non-work reasons, such as visiting a doctor (yes or no); and
- Frequency of travel by private car, bus, train, and taxi (3 categories of at least once a week, less than once a week but more than once a year, less than once a year or never).

We ran the regression analysis in two stages. First, we modelled outcomes for the whole population, including disability status alongside with key demographic variables (gender, age, ethnicity, area type, economic activity status, household type, household income, IMD). This tested whether disability remained associated with travel outcomes once other characteristics were held constant. Second, we restricted the analysis to disabled people and replaced overall disability with individual impairment indicators (cognitive, hearing or speech, visual, mobility, mental health, other physical and other impairment). This two-stage approach avoided multicollinearity and allowed clearer interpretation of differences between impairment types. The same demographic variables were included in each model.

The tables below contain the outputs from the regression models. Results for the regression models are presented as odds ratios. These show the ratio of the odds of a specific outcome occurring when a factor is present compared to when the factor is not present. For example, if the odds of the association ratio of the association between

disabled and having access to a car in the household was 0.59, it would indicate that, holding all other characteristics in the model constant, a disabled person had 41% lower odds of having access to a car in their household than a non-disabled person.

Household car access

Table C1 Logistic regression model for household car access							
Stage 1 model, all respondents							
Predictor		B	S.E.	Sig.	Exp(B)	95% CI (Lower)	95% CI (Upper)
Disability	Disabled	-0.525	0.058	<0.001	0.592	0.528	0.663
Age	18 to 29			<0.001			
	30 to 49	0.074	0.067	0.275	1.076	0.943	1.229
	50 to 64	0.975	0.078	<0.001	2.652	2.278	3.089
	65 to 74	1.109	0.098	<0.001	3.032	2.503	3.672
	75+	0.507	0.095	<0.001	1.661	1.380	1.999
Sex	Female	-0.010	0.048	0.839	0.990	0.901	1.088
Ethnicity	White			<0.001			
	Asian, Asian British, or Asian Welsh	-0.402	0.074	<0.001	0.669	0.579	0.773
	Black, Black British, Black Welsh, Caribbean, or African	-1.167	0.098	<0.001	0.311	0.257	0.377
	Mixed or Multiple ethnic groups	-0.453	0.158	0.004	0.636	0.467	0.866
	Other ethnic group	-1.141	0.146	<0.001	0.320	0.240	0.425
Economic activity	Economically inactive	-0.339	0.062	<0.001	0.712	0.630	0.805
Household income	Lowest ('Less than £25,000')			<0.001			
	Medium (£25,000 to £49,999)	0.706	0.063	<0.001	2.025	1.791	2.290
	Highest (£50,000 and over)	1.166	0.067	<0.001	3.208	2.812	3.659
Household structure	Single adult			<0.001			
	Multiple adults, no children	1.208	0.063	<0.001	3.346	2.955	3.788
	Single parent family	1.088	0.149	<0.001	2.969	2.218	3.973

	Two or more adults and children	1.855	0.084	<0.001	6.390	5.424	7.528
Urban/rural	Rural	0.836	0.088	<0.001	2.308	1.941	2.745
IMD	1 (most deprived)			<0.001			
	2	-0.004	0.065	0.955	0.996	0.878	1.131
	3	0.443	0.070	<0.001	1.558	1.359	1.786
	4	0.818	0.079	<0.001	2.265	1.941	2.642
	5 (least deprived)	1.070	0.085	<0.001	2.915	2.466	3.447
	Constant	-0.692	0.096	<0.001	0.501		

Table C2 Logistic regression model for household car access Stage 2 model, all disabled people							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
Age	18 to 29			<0.001			
	30 to 49	0.245	0.178	0.168	1.278	0.902	1.811
	50 to 64	0.734	0.184	<0.001	2.082	1.453	2.984
	65 to 74	0.920	0.211	<0.001	2.509	1.659	3.795
	75+	0.357	0.206	0.083	1.429	0.954	2.139
Sex	Female	-0.155	0.099	0.116	0.856	0.706	1.039
Ethnicity	White			<0.001			
	Asian, Asian British, or Asian Welsh	-0.051	0.219	0.815	0.950	0.619	1.459
	Black, Black British, Black Welsh, Caribbean, or African	-1.487	0.252	<0.001	0.226	0.138	0.371
	Mixed or Multiple ethnic groups	-0.587	0.350	0.093	0.556	0.280	1.103
	Other ethnic group	-0.858	0.389	0.027	0.424	0.198	0.908
Economic activity	Economically inactive	-0.648	0.134	<0.001	0.523	0.402	0.681
Household income	Lowest ('Less than £25,000')			<0.001			
	Medium (£25,000 to £49,999)	0.501	0.117	<0.001	1.651	1.311	2.078
	Highest (£50,000 and over)	1.139	0.148	<0.001	3.124	2.338	4.174
Household structure	Single adult			<0.001			
	Multiple adults, no children	1.568	0.117	<0.001	4.795	3.816	6.026

	Single parent family	1.165	0.260	<0.001	3.206	1.925	5.340
	Two or more adults and children	1.648	0.186	<0.001	5.197	3.610	7.483
Urban/rural	Rural	0.455	0.145	0.002	1.576	1.186	2.095
IMD	1 (most deprived)			<0.001			
	2	0.556	0.133	<0.001	1.743	1.343	2.262
	3	0.640	0.136	<0.001	1.897	1.453	2.477
	4	0.889	0.158	<0.001	2.432	1.784	3.314
	5 (least deprived)	0.993	0.170	<0.001	2.700	1.934	3.769
Impairment type	Cognitive	0.036	0.121	0.768	1.036	0.817	1.315
	Communication	-0.158	0.131	0.227	0.853	0.660	1.103
	Vision	-0.597	0.139	<0.001	0.551	0.420	0.723
	Mobility	0.165	0.111	0.136	1.180	0.950	1.465
	Mental health	-0.395	0.119	0.001	0.674	0.533	0.851
	Other physical	0.189	0.102	0.063	1.208	0.990	1.474
	Other	0.009	0.222	0.967	1.009	0.653	1.559
	Constant	-0.975	0.234	<0.001	0.377		

Difficulties travelling to work by private transport

Table C3 Logistic regression model for difficulties travelling to work by private transport							
Stage 1 model, all respondents who travel to work by private transport							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
Disability	Disabled	-0.167	0.103	0.104	0.846	0.691	1.035
Age	18 to 29			<0.001			
	30 to 49	-0.212	0.081	0.009	0.809	0.691	0.947
	50 to 64	0.007	0.084	0.933	1.007	0.855	1.186
	65 to 74	0.334	0.163	0.040	1.397	1.016	1.922
	75+	0.605	0.429	0.159	1.831	0.790	4.247
Sex	Female	0.014	0.057	0.798	1.015	0.908	1.134
Ethnicity	White			<0.001			
	Asian, Asian British, or Asian Welsh	0.455	0.096	<0.001	1.576	1.305	1.902
	Black, Black British, Black Welsh,	0.042	0.156	0.790	1.042	0.767	1.416

	Caribbean, or African						
	Mixed or Multiple ethnic groups	- 0.359	0.226	0.112	0.698	0.448	1.088
	Other ethnic group	- 0.500	0.266	0.059	0.606	0.360	1.020
Household income	Lowest ('Less than £25,000')			<0.001			
	Medium (£25,000 to £49,999)	- 0.528	0.115	<0.001	0.590	0.471	0.739
	Highest (£50,000 and over)	- 0.458	0.110	<0.001	0.633	0.510	0.785
Household structure	Single adult			0.265			
	Multiple adults, no children	0.161	0.112	0.153	1.174	0.942	1.464
	Single parent family	0.145	0.226	0.520	1.156	0.743	1.799
	Two or more adults and children	0.231	0.118	0.051	1.260	0.999	1.589
Urban/rural	Rural	0.268	0.075	<0.001	1.307	1.128	1.514
IMD	1 (most deprived)			0.002			
	2	- 0.280	0.094	0.003	0.756	0.628	0.910
	3	- 0.300	0.092	0.001	0.740	0.618	0.888
	4	- 0.353	0.093	<0.001	0.702	0.585	0.842
	5 (least deprived)	- 0.204	0.095	0.031	0.816	0.678	0.982
	Constant	0.819	0.159	<0.001	2.267		

Table C4 Logistic regression model for Difficulties travelling to work by private transport Stage 2 model, all disabled respondents who travel to work by private transport							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)

Age	18 to 29			0.130			
	30 to 49	- 0.042	0.354	0.907	0.959	0.479	1.921
	50 to 64	0.315	0.364	0.386	1.370	0.672	2.794
	65 to 74	0.670	0.505	0.184	1.955	0.727	5.255
	75+	3.182	1.529	0.037	24.098	1.203	482.608
Sex	Female	- 0.047	0.213	0.826	0.954	0.629	1.448
Ethnicity	White			0.506			
	Asian, Asian British, or Asian Welsh	0.651	0.457	0.154	1.918	0.783	4.702
	Black, Black British, Black Welsh, Caribbean, or African	- 0.479	0.682	0.483	0.620	0.163	2.361
	Mixed or Multiple ethnic groups	- 0.915	1.170	0.434	0.401	0.040	3.966
	Other ethnic group	0.291	1.438	0.840	1.338	0.080	22.435
Household income	Lowest (Less than £25,000)			0.868			
	Medium (£25,000 to £49,999)	0.119	0.325	0.714	1.127	0.596	2.130
	Highest (£50,000 and over)	- 0.007	0.322	0.984	0.994	0.528	1.869
Household structure	Single adult			0.394			
	Multiple adults, no children	0.586	0.340	0.085	1.796	0.923	3.496
	Single parent family	0.428	0.562	0.446	1.534	0.510	4.616
	Two or more adults and children	0.531	0.392	0.175	1.701	0.789	3.666
Urban/rural	Rural	- 0.233	0.280	0.406	0.792	0.458	1.372
IMD	1 (most deprived)			0.001			
	2	- 1.085	0.328	0.001	0.338	0.178	0.642
	3	- 0.741	0.318	0.020	0.476	0.256	0.888
	4	- 1.159	0.313	<0.001	0.314	0.170	0.580
	5 (least deprived)	- 1.139	0.362	0.002	0.320	0.157	0.650

Type of impairment	Cognitive	- 0.057	0.285	0.843	0.945	0.540	1.653
	Communication	- 0.774	0.436	0.076	0.461	0.196	1.085
	Vision	0.077	0.399	0.848	1.080	0.494	2.361
	Mobility	0.044	0.223	0.842	1.045	0.675	1.620
	Mental health	0.013	0.264	0.961	1.013	0.603	1.701
	Other physical	- 0.150	0.222	0.498	0.860	0.557	1.330
	Other	- 0.572	0.417	0.171	0.565	0.249	1.279
	Constant	0.471	0.542	0.385	1.602		

Difficulties travelling to work by public transport

Table C5: Logistic regression model for difficulties travelling to work by public transport							
Stage 1 model – all respondents who travel to work by public transport							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
Disability	Disabled	0.673	0.145	<0.001	1.960	1.474	2.605
Age	18 to 29			<0.001			
	30 to 49	0.100	0.096	0.300	1.105	0.915	1.335
	50 to 64	-0.379	0.114	0.001	0.685	0.548	0.856
	65 to 74	-0.643	0.298	0.031	0.526	0.293	0.943
	75+	-0.372	0.713	0.602	0.689	0.170	2.790
Sex	Female	0.058	0.079	0.460	1.060	0.908	1.237
Ethnicity	White			<0.001			
	Asian, Asian British, or Asian Welsh	-0.047	0.109	0.668	0.954	0.771	1.181
	Black, Black British, Black Welsh, Caribbean, or African	0.681	0.150	<0.001	1.975	1.472	2.650
	Mixed or Multiple ethnic groups	0.507	0.265	0.055	1.661	0.989	2.791
	Other ethnic group	0.230	0.242	0.341	1.259	0.784	2.021
Household income	Lowest (Less than £25,000)			<0.001			
	Medium (£25,000 to £49,999)	0.357	0.149	0.016	1.430	1.068	1.913
	Highest (£50,000 and over)	0.619	0.137	<0.001	1.856	1.420	2.427
Household structure	Single adult			<0.001			
	Multiple adults, no children	-0.361	0.145	0.013	0.697	0.524	0.926

	Single parent family	0.164	0.311	0.598	1.178	0.641	2.166
	Two or more adults and children	-0.658	0.156	<0.001	0.518	0.382	0.702
Urban/rural	Rural	0.246	0.170	0.148	1.278	0.917	1.782
IMD	1 (most deprived)			0.001			
	2	-0.049	0.117	0.678	0.953	0.757	1.198
	3	0.083	0.123	0.500	1.086	0.854	1.382
	4	-0.121	0.129	0.347	0.886	0.689	1.140
	5 (least deprived)	0.393	0.130	0.003	1.481	1.148	1.911
	Constant	-0.758	0.189	<0.001	0.468		

Table C6 Logistic regression model for difficulties travelling to work by public transport
Stage 2 model, all disabled respondents who travel to work by public transport

Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
Age	18 to 29			0.003			
	30 to 49	-0.490	0.417	0.239	0.612	0.271	1.386
	50 to 64	-1.731	0.503	0.001	0.177	0.066	0.475
	65 to 74 ²	-1.915	0.928	0.039	0.147	0.024	0.908
Sex	Female	0.258	0.369	0.483	1.295	0.629	2.666
Ethnicity	White			0.323			
	Asian, Asian British, or Asian Welsh	-0.190	0.554	0.732	0.827	0.279	2.450
	Black, Black British, Black Welsh, Caribbean, or African	1.230	0.737	0.095	3.420	0.806	14.512
	Mixed or Multiple ethnic groups ³						
	Other ethnic group	-1.371	1.114	0.218	0.254	0.029	2.251
Household income	Lowest (Less than £25,000)			0.011			

² There were no disabled people aged 75+ who reported travelling to work.

³ Estimate for ethnicity category 'Mixed or Multiple ethnic groups' is suppressed due to small cell counts.

	Medium (£25,000 to £49,999)	0.800	0.513	0.119	2.225	0.814	6.084
	Highest (£50,000 and over)	1.518	0.520	0.004	4.564	1.646	12.655
Household structure	Single adult			0.047			
	Multiple adults, no children	-1.500	0.546	0.006	0.223	0.077	0.651
	Single parent family	-0.301	0.918	0.743	0.740	0.122	4.476
	Two or more adults and children	-1.235	0.606	0.042	0.291	0.089	0.954
Urban/rural	Rural	-0.578	0.694	0.405	0.561	0.144	2.185
IMD	1 (most deprived)			0.786			
	2	0.269	0.474	0.571	1.309	0.516	3.317
	3	-0.293	0.483	0.544	0.746	0.289	1.923
	4	0.296	0.516	0.566	1.344	0.489	3.694
	5 (least deprived)	-0.173	0.588	0.769	0.841	0.266	2.666
Type of impairment	Cognitive	0.581	0.406	0.152	1.788	0.808	3.960
	Communication	-0.231	0.631	0.714	0.793	0.230	2.735
	Vision	-0.322	0.560	0.565	0.725	0.242	2.171
	Mobility	0.834	0.366	0.023	2.304	1.123	4.725
	Mental health	0.573	0.350	0.102	1.773	0.893	3.519
	Other physical	0.498	0.346	0.150	1.646	0.836	3.242
	Other	0.914	0.732	0.212	2.494	0.594	10.473
	Constant	-0.180	0.659	0.785	0.835		

Difficulties travelling for non-work purposes

Table C7 Logistic regression model for difficulties travelling for non-work purposes Stage 1 model, all respondents							
		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
Disability	Disabled	1.105	0.057	<0.001	3.020	2.700	3.379
Age	18 to 29			<0.001			
	30 to 49	0.062	0.072	0.390	1.063	0.924	1.224
	50 to 64	-0.447	0.078	<0.001	0.640	0.549	0.746
	65 to 74	-0.403	0.099	<0.001	0.668	0.550	0.812
	75+	-0.174	0.099	0.080	0.840	0.691	1.021

Sex	Female	0.193	0.049	<0.001	1.213	1.102	1.334
Ethnicity	White			<0.001			
	Asian, Asian British, or Asian Welsh	0.129	0.080	0.107	1.137	0.973	1.330
	Black, Black British, Black Welsh, Caribbean, or African	0.387	0.111	0.001	1.473	1.184	1.832
	Mixed or Multiple ethnic groups	0.759	0.147	<0.001	2.136	1.602	2.848
	Other ethnic group	0.290	0.171	0.089	1.337	0.957	1.868
Economic activity	Economically inactive	0.155	0.065	0.017	1.167	1.028	1.326
Household income	Lowest (Less than £25,000)			0.022			
	Medium (£25,000 to £49,999)	- 0.185	0.070	0.008	0.831	0.724	0.954
	Highest (£50,000 and over)	- 0.163	0.072	0.024	0.850	0.737	0.979
Household structure	Single adult			<0.001			
	Multiple adults, no children	- 0.416	0.070	<0.001	0.660	0.575	0.757
	Single parent family	0.034	0.153	0.823	1.035	0.767	1.395
	Two or more adults and children	- 0.546	0.086	<0.001	0.579	0.489	0.686
Urban/rural	Rural	- 0.043	0.070	0.541	0.958	0.834	1.100
IMD	1 (most deprived)			0.982			
	2	0.010	0.074	0.892	1.010	0.873	1.169
	3	0.039	0.075	0.598	1.040	0.898	1.205
	4	0.025	0.078	0.747	1.026	0.880	1.195
	5 (least deprived)	0.039	0.079	0.621	1.040	0.890	1.215
	Constant	- 1.733	0.106	<0.001	0.177		

Table C8 Logistic regression model for difficulties travelling for non-work purposes Stage 2 model, all disabled respondents							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
Age	18 to 29			0.017			
	30 to 49	- 0.070	0.166	0.671	0.932	0.674	1.290
	50 to 64	- 0.422	0.168	0.012	0.656	0.472	0.912
	65 to 74	- 0.455	0.194	0.019	0.635	0.434	0.928
	75+	- 0.206	0.191	0.281	0.814	0.559	1.184
Sex	Female	0.157	0.090	0.082	1.170	0.980	1.397
Ethnicity	White			<0.001			
	Asian, Asian British, or Asian Welsh	0.411	0.188	0.029	1.508	1.043	2.181
	Black, Black British, Black Welsh, Caribbean, or African	0.580	0.225	0.010	1.785	1.150	2.773
	Mixed or Multiple ethnic groups	1.225	0.329	<0.001	3.403	1.785	6.490
	Other ethnic group	0.645	0.364	0.077	1.906	0.933	3.892
Economic activity	Economically inactive	0.311	0.120	0.009	1.365	1.079	1.728
Household income	Lowest (Less than £25,000)			0.063			
	Medium (£25,000 to £49,999)	- 0.172	0.115	0.134	0.842	0.673	1.054
	Highest (£50,000 and over)	- 0.304	0.131	0.021	0.738	0.571	0.955
Household structure	Single adult			<0.001			
	Multiple adults, no children	- 0.512	0.111	<0.001	0.599	0.482	0.745
	Single parent family	- 0.363	0.255	0.155	0.696	0.422	1.146
	Two or more adults and children	- 0.850	0.174	<0.001	0.427	0.304	0.601
Urban/rural	Rural	0.003	0.125	0.980	1.003	0.785	1.282

IMD	1 (most deprived)			0.677			
	2	0.004	0.127	0.974	1.004	0.783	1.288
	3	0.154	0.127	0.225	1.167	0.910	1.497
	4	- 0.016	0.144	0.913	0.984	0.743	1.304
	5 (least deprived)	0.098	0.150	0.516	1.102	0.821	1.480
Impairment type	Cognitive	0.303	0.109	0.006	1.354	1.093	1.676
	Communication	- 0.007	0.122	0.952	0.993	0.782	1.260
	Vision	0.543	0.125	<0.001	1.721	1.347	2.199
	Mobility	0.180	0.102	0.079	1.198	0.980	1.464
	Mental health	0.263	0.110	0.017	1.301	1.049	1.615
	Other physical	0.306	0.094	0.001	1.358	1.130	1.632
	Other	0.226	0.199	0.255	1.254	0.850	1.850
	Constant	- 1.156	0.217	<0.001	0.315		

Frequency of travel by private car

Table C9 Multinomial regression model for frequency of private car use ^a Stage 1 model, all respondents							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
	Intercept	0.686	0.105	<0.001			
At least once a week							
Disability status	Disabled	-0.379	0.065	<0.001	0.684	0.603	0.776
	Non-disabled (reference)	0 ^b					
Age	30 to 64	0.744	0.062	<0.001	2.105	1.865	2.377
	65 to 74	1.168	0.103	<0.001	3.217	2.629	3.936
	75+	0.883	0.102	<0.001	2.419	1.983	2.952
	18 to 29 (reference)	0 ^b					
Gender	Female	-0.096	0.051	0.061	0.909	0.822	1.005
	Male (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	-0.274	0.079	0.001	0.761	0.652	0.887
	Black, Black British, Black Welsh, Caribbean, or African	-0.867	0.106	<0.001	0.420	0.342	0.517

	Mixed or Multiple and Other ethnic groups	-0.350	0.130	0.007	0.704	0.546	0.909
	White (reference)	0 ^b					
Area type	Rural	0.800	0.094	<0.001	2.225	1.849	2.677
	Urban (reference)	0 ^b					
Economic activity status	Economically inactive	-0.420	0.066	<0.001	0.657	0.577	0.748
	Working full or part time (reference)	0 ^b					
Household type	Multiple adults no children	0.559	0.073	<0.001	1.749	1.516	2.018
	Households with children	1.066	0.088	<0.001	2.902	2.442	3.449
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	0.439	0.075	<0.001	1.551	1.340	1.796
	Highest (£50,000 and over)	0.298	0.074	<0.001	1.347	1.165	1.557
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.380	0.073	<0.001	0.684	0.593	0.789
	IMD 3	0.004	0.077	0.959	1.004	0.863	1.168
	IMD 4	0.357	0.086	<0.001	1.429	1.207	1.692
	IMD 5 (least deprived)	0.443	0.088	<0.001	1.558	1.311	1.852
	IMD 1 (most deprived) (reference)	0 ^b					
Less than once a week but more than once a year (reference)							
Less than once a year or never							
	Intercept	-0.381	0.164	0.021			
Disability status	Disabled	-0.197	0.104	0.060	0.822	0.669	1.008
	Non-disabled (reference)	0 ^b					
Age	30 to 64	0.203	0.102	0.046	1.225	1.004	1.495
	65 to 74	0.103	0.168	0.540	1.109	0.797	1.541
	75+	-0.043	0.166	0.796	0.958	0.692	1.327

	18 to 29 (reference)	0 ^b					
Gender	Female	-0.378	0.084	<0.001	0.685	0.582	0.808
	Male (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.258	0.122	0.035	1.294	1.018	1.645
	Black, Black British, Black Welsh, Caribbean, or African	0.123	0.154	0.424	1.131	0.836	1.529
	Mixed or Multiple and Other ethnic groups	0.794	0.170	<0.001	2.212	1.586	3.085
	White (reference)	0 ^b					
Area type	Rural	-0.309	0.193	0.110	0.734	0.503	1.073
	Urban (reference)	0 ^b					
Economic activity status	Economically inactive	0.184	0.105	0.079	1.202	0.979	1.477
	Working full or part time (reference)	0 ^b					
Household type	Multiple adults no children	0.064	0.116	0.577	1.067	0.850	1.337
	Households with children	0.388	0.136	0.004	1.475	1.130	1.925
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.138	0.115	0.232	0.871	0.695	1.092
	Highest (£50,000 and over)	-0.590	0.118	<0.001	0.554	0.440	0.698
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.354	0.109	0.001	0.702	0.567	0.868
	IMD 3	-0.509	0.125	<0.001	0.601	0.470	0.768
	IMD 4	-0.431	0.143	0.003	0.650	0.491	0.860
	IMD 5 (least deprived)	-0.736	0.163	<0.001	0.479	0.348	0.660

	IMD 1 (most deprived) (reference)	0 ^b					
a. The reference category is: Less than once a week, once a year or more.							
b. This parameter is set to zero because it is redundant.							

Table C10 Multinomial regression model for frequency of private car use ^a Stage 2 model, all disabled respondents							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
At least once a week							
	Intercept	0.914	0.245	<0.001			
Gender	Female	-0.030	0.105	0.773	0.970	0.790	1.191
	Male (reference)	0 ^b					
Age	30 to 64	0.606	0.167	<0.001	1.833	1.323	2.541
	65 to 74	0.826	0.217	<0.001	2.285	1.493	3.496
	75+	0.565	0.209	0.007	1.759	1.167	2.650
	18 to 29 (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	-0.015	0.230	0.947	0.985	0.627	1.546
	Black, Black British, Black Welsh, Caribbean, or African	-0.966	0.242	<0.001	0.381	0.237	0.612
	Mixed or Multiple and Other ethnic groups	-0.231	0.322	0.474	0.794	0.422	1.493
	White (reference)	0 ^b					
Area type	Rural	0.256	0.151	0.090	1.292	0.960	1.738
	Urban (reference)	0 ^b					
Economic Activity	Economically inactive	-0.740	0.142	<0.001	0.477	0.361	0.631
	In work - part time or full time	0 ^b					
Household type	Multiple adults no children	0.632	0.129	<0.001	1.881	1.460	2.424
	Households with children	0.499	0.171	0.004	1.647	1.178	2.301

	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	0.247	0.135	0.067	1.280	0.983	1.666
	Highest (£50,000 and over)	0.159	0.149	0.285	1.173	0.876	1.570
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	0.045	0.146	0.757	1.046	0.786	1.392
	IMD 3	0.042	0.146	0.773	1.043	0.784	1.388
	IMD 4	0.141	0.166	0.395	1.152	0.832	1.596
	IMD 5 (least deprived)	0.331	0.180	0.066	1.393	0.978	1.983
	IMD 1 (most deprived) (reference)	0 ^b					
Impairment type	Cognitive impairment	-0.282	0.126	0.025	0.754	0.589	0.965
	No cognitive impairment (reference)	0 ^b					
	Hearing or speech impairment	0.162	0.145	0.263	1.176	0.886	1.561
	No hearing or speech impairment (reference)	0 ^b					
	Vision impairment	-0.205	0.148	0.167	0.814	0.609	1.090
	No vision impairment (reference)	0 ^b					
	Mobility impairment	0.049	0.118	0.676	1.050	0.834	1.322
	No mobility impairment (reference)	0 ^b					
	Impairment relating to mental health	-0.153	0.127	0.227	0.858	0.669	1.100
	No Impairment relating to mental health (reference)	0 ^b					
	Other physical Impairment	0.041	0.109	0.709	1.041	0.842	1.289

	No other physical Impairment (reference)	0 ^b					
	Other impairment	-0.143	0.233	0.541	0.867	0.549	1.370
	No other impairment (reference)	0 ^b					
Less than once a week but more than once a year (reference)							
Less than once a year or never							
	Intercept	-1.282	0.418	0.002			
Gender	Female	-0.162	0.168	0.334	0.850	0.612	1.182
	Male (reference)	0 ^b					
Age	30 to 64	0.220	0.269	0.414	1.246	0.735	2.110
	65 to 74	0.449	0.338	0.185	1.566	0.807	3.038
	75+	0.096	0.337	0.776	1.101	0.568	2.132
	18 to 29 (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.312	0.362	0.388	1.366	0.672	2.778
	Black, Black British, Black Welsh, Caribbean, or African	-0.055	0.356	0.876	0.946	0.470	1.902
	Mixed or Multiple and Other ethnic groups	1.510	0.363	<0.001	4.526	2.224	9.210
	White (reference)	0 ^b					
Area type	Rural	-0.199	0.291	0.493	0.819	0.463	1.450
	Urban (reference)	0 ^b					
Economic Activity	Economically inactive	0.507	0.267	0.058	1.661	0.984	2.805
	In work - part time or full time	0 ^b					
Household type	Multiple adults no children	0.344	0.206	0.095	1.410	0.942	2.110
	Households with children	-0.244	0.288	0.396	0.783	0.445	1.378
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.045	0.218	0.837	0.956	0.624	1.466

	Highest (£50,000 and over)	-0.401	0.257	0.118	0.670	0.405	1.107
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.294	0.216	0.174	0.745	0.488	1.138
	IMD 3	-0.648	0.240	0.007	0.523	0.327	0.837
	IMD 4	-0.709	0.292	0.015	0.492	0.278	0.872
	IMD 5 (least deprived)	-0.977	0.353	0.006	0.377	0.189	0.752
	IMD 1 (most deprived) (reference)	0 ^b					
Impairment type	Cognitive impairment	0.079	0.199	0.691	1.082	0.732	1.599
	No cognitive impairment (reference)	0 ^b					
	Hearing or speech impairment	-0.043	0.237	0.857	0.958	0.602	1.525
	No hearing or speech impairment (reference)	0 ^b					
	Vision impairment	0.054	0.234	0.816	1.056	0.668	1.669
	No vision impairment (reference)	0 ^b					
	Mobility impairment	0.221	0.196	0.259	1.248	0.849	1.834
	No mobility impairment (reference)	0 ^b					
	Impairment relating to mental health	0.299	0.202	0.138	1.349	0.908	2.004
	No Impairment relating to mental health (reference)	0 ^b					
	Other physical Impairment	-0.386	0.180	0.033	0.680	0.477	0.968
	No other physical Impairment (reference)	0 ^b					
	Other impairment	0.772	0.321	0.016	2.164	1.153	4.062

	No other impairment (reference)	0 ^b					
a. The reference category is: Less than once a week, once a year or more.							
b. This parameter is set to zero because it is redundant.							

Table C11 Multinomial regression model for frequency of bus use ^a Stage 1 model, all respondents							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
At least once a week							
	Intercept	0.518	0.101	<0.001			
Disability status	Disabled	0.016	0.067	0.809	1.016	0.891	1.159
	Non-disabled (reference)	0 ^b					
Age	30 to 64	-0.672	0.059	<0.001	0.510	0.454	0.573
	65 to 74	-0.476	0.091	<0.001	0.621	0.520	0.743
	75+	-0.315	0.100	0.002	0.729	0.600	0.887
	18 to 29 (reference)	0 ^b					
Gender	Female	0.105	0.047	0.025	1.110	1.013	1.216
	Male (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.471	0.070	<0.001	1.602	1.395	1.839
	Black, Black British, Black Welsh, Caribbean, or African	0.944	0.101	<0.001	2.570	2.110	3.129
	Mixed or Multiple and Other ethnic groups	0.563	0.113	<0.001	1.757	1.409	2.190
	White (reference)	0 ^b					
Area type	Rural	-0.675	0.089	<0.001	0.509	0.428	0.606
	Urban (reference)	0 ^b					
Economic activity status	Economically inactive	0.236	0.062	<0.001	1.266	1.121	1.429
	Working full or part time (reference)	0 ^b					
Household type	Multiple adults no children	-0.072	0.071	0.309	0.930	0.809	1.069

	Households with children	-0.194	0.081	0.017	0.823	0.702	0.965
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.262	0.069	<0.001	0.769	0.672	0.881
	Highest (£50,000 and over)	-0.270	0.069	<0.001	0.764	0.667	0.875
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	0.035	0.069	0.616	1.035	0.904	1.185
	IMD 3	-0.259	0.072	<0.001	0.772	0.670	0.889
	IMD 4	-0.388	0.076	<0.001	0.678	0.584	0.788
	IMD 5 (least deprived)	-0.541	0.077	<0.001	0.582	0.501	0.677
	IMD 1 (most deprived) (reference)	0 ^b					
Less than once a week but more than once a year (reference)							
Less than once a year or never							
	Intercept	0.246	0.091	0.007			
Disability status	Disabled	0.504	0.056	<0.001	1.656	1.484	1.848
	Non-disabled (reference)	0 ^b					
Age	30 to 64	0.134	0.054	0.012	1.143	1.030	1.270
	65 to 74	-0.027	0.081	0.734	0.973	0.830	1.140
	75+	0.231	0.089	0.010	1.260	1.058	1.501
	18 to 29 (reference)	0 ^b					
Gender	Female	-0.203	0.038	<0.001	0.817	0.757	0.880
	Male (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	-0.083	0.064	0.193	0.920	0.812	1.043
	Black, Black British, Black Welsh, Caribbean, or African	-0.711	0.115	<0.001	0.491	0.392	0.616
	Mixed or Multiple and	-0.316	0.109	0.004	0.729	0.588	0.903

	Other ethnic groups						
	White (reference)	0 ^b					
Area type	Rural	0.628	0.055	<0.001	1.874	1.683	2.088
	Urban (reference)	0 ^b					
Economic activity status	Economically inactive	-0.161	0.054	0.003	0.851	0.766	0.946
	Working full or part time (reference)	0 ^b					
Household type	multiple adults no children	0.252	0.062	<0.001	1.287	1.139	1.454
	households with children	0.282	0.069	<0.001	1.325	1.157	1.518
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.015	0.061	0.807	0.985	0.874	1.110
	Highest (£50,000 and over)	0.077	0.060	0.204	1.080	0.959	1.216
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.149	0.063	0.019	0.862	0.761	0.976
	IMD 3	-0.026	0.062	0.671	0.974	0.862	1.100
	IMD 4	0.095	0.063	0.135	1.099	0.971	1.245
	IMD 5 (least deprived)	-0.052	0.063	0.404	0.949	0.839	1.073
	IMD 1 (most deprived) (reference)	0 ^b					
a. The reference category is: Less than once a week, once a year or more.							
b. This parameter is set to zero because it is redundant.							

**Table C12 Multinomial regression model for frequency of bus use^a
Stage 2 model, all disabled respondents**

		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
At least once a week							
	Intercept	0.928	0.269	0.001			

Gender	Female	0.072	0.118	0.542	1.075	0.852	1.355
	Male (reference)	0 ^b					
Age	30 to 64	-0.757	0.181	<0.001	0.469	0.329	0.669
	65 to 74	-0.346	0.232	0.135	0.707	0.449	1.114
	75+	-0.540	0.242	0.026	0.583	0.362	0.937
	18 to 29 (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.236	0.240	0.327	1.266	0.790	2.028
	Black, Black British, Black Welsh, Caribbean, or African	1.103	0.275	<0.001	3.014	1.759	5.164
	Mixed or Multiple and Other ethnic groups	0.779	0.319	0.015	2.179	1.166	4.070
	White (reference)	0 ^b					
Area type	Rural	-0.313	0.209	0.134	0.731	0.486	1.101
	Urban (reference)	0 ^b					
Economic Activity	Economically inactive	-0.248	0.147	0.093	0.781	0.585	1.042
	In work - part time or full time	0 ^b					
Household type	Multiple adults no children	-0.215	0.149	0.148	0.806	0.603	1.079
	Households with children	-0.200	0.192	0.298	0.819	0.562	1.193
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.044	0.152	0.775	0.957	0.710	1.291
	Highest (£50,000 and over)	-0.205	0.168	0.222	0.814	0.586	1.132
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.186	0.160	0.244	0.830	0.606	1.136
	IMD 3	-0.152	0.166	0.359	0.859	0.621	1.188
	IMD 4	-0.597	0.196	0.002	0.551	0.375	0.808
	IMD 5 (least deprived)	-0.026	0.197	0.893	0.974	0.663	1.432

	IMD 1 (most deprived) (reference)	0 ^b					
Impairment type	Cognitive impairment	-0.273	0.147	0.062	0.761	0.571	1.014
	No cognitive impairment (reference)	0 ^b					
	Hearing or speech impairment	0.043	0.172	0.802	1.044	0.745	1.464
	No hearing or speech impairment (reference)	0 ^b					
	Vision impairment	0.491	0.176	0.005	1.634	1.158	2.305
	No vision impairment (reference)	0 ^b					
	Mobility impairment	0.078	0.128	0.541	1.082	0.841	1.391
	No mobility impairment (reference)	0 ^b					
	Impairment relating to mental health	0.266	0.142	0.062	1.304	0.987	1.723
	No Impairment relating to mental health (reference)	0 ^b					
	Other physical Impairment	-0.250	0.121	0.039	0.779	0.614	0.988
	No other physical Impairment (reference)	0 ^b					
	Other impairment	-0.053	0.262	0.841	0.949	0.567	1.586
	No other impairment (reference)	0 ^b					
Less than once a week but more than once a year (reference)							
Less than once a year or never							
	Intercept	-0.231	0.246	0.348			
Gender	Female	-0.150	0.099	0.128	0.861	0.710	1.044
	Male (reference)	0 ^b					
Age	30 to 64	0.294	0.172	0.088	1.342	0.957	1.881
	65 to 74	0.155	0.214	0.470	1.167	0.767	1.777

	75+	0.577	0.215	0.007	1.781	1.168	2.715
	18 to 29 (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	-0.058	0.207	0.779	0.944	0.629	1.416
	Black, Black British, Black Welsh, Caribbean, or African	-0.612	0.315	0.052	0.542	0.292	1.006
	Mixed or Multiple and Other ethnic groups	-0.141	0.314	0.653	0.868	0.469	1.608
	White (reference)	0 ^b					
Area type	Rural	0.825	0.148	<0.001	2.281	1.706	3.049
	Urban (reference)	0 ^b					
Economic Activity	Economically inactive	0.064	0.126	0.612	1.066	0.833	1.364
	In work - part time or full time	0 ^b					
Household type	Multiple adults no children	0.304	0.126	0.016	1.355	1.058	1.735
	Households with children	0.330	0.165	0.046	1.392	1.006	1.924
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	0.127	0.128	0.321	1.136	0.883	1.461
	Highest (£50,000 and over)	0.095	0.140	0.499	1.099	0.835	1.447
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.220	0.140	0.116	0.803	0.610	1.056
	IMD 3	-0.093	0.142	0.511	0.911	0.690	1.203
	IMD 4	-0.030	0.153	0.845	0.970	0.719	1.310
	IMD 5 (least deprived)	0.029	0.167	0.862	1.030	0.742	1.429
	IMD 1 (most deprived) (reference)	0 ^b					
Impairment type	Cognitive impairment	-0.069	0.123	0.573	0.933	0.734	1.187

	No cognitive impairment (reference)	0 ^b					
	Hearing or speech impairment	0.144	0.142	0.311	1.155	0.874	1.527
	No hearing or speech impairment (reference)	0 ^b					
	Vision impairment	0.098	0.156	0.532	1.102	0.812	1.497
	No vision impairment (reference)	0 ^b					
	Mobility impairment	0.666	0.108	<0.001	1.947	1.574	2.408
	No mobility impairment (reference)	0 ^b					
	Impairment relating to mental health	0.175	0.121	0.149	1.191	0.939	1.512
	No Impairment relating to mental health (reference)	0 ^b					
	Other physical Impairment	0.055	0.102	0.589	1.056	0.866	1.289
	No other physical Impairment (reference)	0 ^b					
	Other impairment	0.436	0.219	0.047	1.546	1.006	2.376
	No other impairment (reference)	0 ^b					
a. The reference category is: Less than once a week, once a year or more.							
b. This parameter is set to zero because it is redundant.							

Frequency of travelling by train

Table C13 Multinomial regression model for frequency of train use ^a Stage 1 model, all respondents							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
At least once a week							
	Intercept	- 1.015	0.130	<0.001			

Disability status	Disabled	- 0.300	0.101	0.003	0.741	0.608	0.903
	Non-disabled (reference)	0 ^b					
Age	30 to 64	- 0.419	0.063	<0.001	0.658	0.581	0.745
	65 to 74	- 0.627	0.123	<0.001	0.534	0.419	0.680
	75+	- 1.017	0.182	<0.001	0.362	0.253	0.517
	18 to 29 (reference)	0 ^b					
Gender	Female	- 0.285	0.054	<0.001	0.752	0.677	0.836
	Male (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.389	0.081	<0.001	1.475	1.257	1.730
	Black, Black British, Black Welsh, Caribbean, or African	0.749	0.109	<0.001	2.115	1.708	2.620
	Mixed or Multiple and Other ethnic groups	0.704	0.118	<0.001	2.021	1.605	2.545
	White (reference)	0 ^b					
Area type	Rural	- 0.705	0.097	<0.001	0.494	0.408	0.597
	Urban (reference)	0 ^b					
Economic activity status	Economically inactive	- 0.087	0.079	0.270	0.917	0.786	1.070
	Working full or part time (reference)	0 ^b					
Household type	multiple adults no children	- 0.232	0.094	0.013	0.793	0.660	0.953
	households with children	- 0.321	0.100	0.001	0.725	0.596	0.883
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	- 0.366	0.100	<0.001	0.693	0.570	0.843

	Highest (£50,000 and over)	0.104	0.090	0.251	1.109	0.929	1.324
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	0.103	0.093	0.270	1.108	0.923	1.331
	IMD 3	0.237	0.092	0.010	1.267	1.058	1.517
	IMD 4	0.327	0.092	<0.001	1.387	1.158	1.663
	IMD 5 (least deprived)	0.308	0.092	0.001	1.360	1.136	1.630
	IMD 1 (most deprived) (reference)	0 ^b					
Less than once a week but more than once a year (reference)							
Less than once a year or never							
	Intercept	- 0.385	0.084	<0.001			
Disability status	Disabled	0.751	0.050	<0.001	2.120	1.923	2.337
	Non-disabled (reference)	0 ^b					
Age	30 to 64	0.188	0.051	<0.001	1.207	1.091	1.334
	65 to 74	0.457	0.074	<0.001	1.580	1.367	1.826
	75+	1.255	0.083	<0.001	3.509	2.984	4.126
	18 to 29 (reference)	0 ^b					
Gender	Female	- 0.122	0.037	0.001	0.885	0.823	0.951
	Male (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.474	0.059	<0.001	1.607	1.433	1.803
	Black, Black British, Black Welsh, Caribbean, or African	- 0.361	0.101	<0.001	0.697	0.573	0.849
	Mixed or Multiple and Other ethnic groups	- 0.077	0.105	0.462	0.926	0.754	1.137
	White (reference)	0 ^b					
Area type	Rural	0.341	0.051	<0.001	1.407	1.273	1.554
	Urban (reference)	0 ^b					

Economic activity status	Economically inactive	0.403	0.049	<0.001	1.496	1.360	1.646
	Working full or part time (reference)	0 ^b					
Household type	Multiple adults no children	0.431	0.059	<0.001	1.539	1.371	1.728
	Households with children	0.567	0.067	<0.001	1.764	1.548	2.009
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	- 0.300	0.055	<0.001	0.741	0.665	0.825
	Highest (£50,000 and over)	- 0.656	0.055	<0.001	0.519	0.466	0.578
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	- 0.510	0.057	<0.001	0.601	0.537	0.672
	IMD 3	- 0.631	0.058	<0.001	0.532	0.475	0.596
	IMD 4	- 0.697	0.059	<0.001	0.498	0.443	0.559
	IMD 5 (least deprived)	- 0.985	0.061	<0.001	0.373	0.331	0.421
	IMD 1 (most deprived) (reference)	0 ^b					
a. The reference category is: Less than once a week, once a year or more.							
b. This parameter is set to zero because it is redundant.							

Table C14 Multinomial regression model for frequency of train use ^a Stage 2 model, all disabled respondents							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
At least once a week							
	Intercept	-0.369	0.415	0.374			
Gender	Female	-0.289	0.195	0.139	0.749	0.511	1.098
	Male (reference)	0 ^b					
Age	30 to 64	-0.931	0.249	<0.001	0.394	0.242	0.642
	65 to 74	-0.976	0.397	0.014	0.377	0.173	0.820

	75+	-0.945	0.474	0.046	0.389	0.153	0.985
	18 to 29 (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.345	0.393	0.381	1.411	0.653	3.049
	Black, Black British, Black Welsh, Caribbean, or African	1.199	0.334	<0.001	3.316	1.722	6.385
	Mixed or Multiple and Other ethnic groups	0.756	0.453	0.095	2.130	0.876	5.179
	White (reference)	0 ^b					
Area type	Rural	-0.971	0.397	0.014	0.379	0.174	0.824
	Urban (reference)	0 ^b					
Economic Activity	Economically inactive	-0.705	0.234	0.003	0.494	0.313	0.782
	In work - part time or full time	0 ^b					
Houshold type	Multiple adults no children	-0.710	0.272	0.009	0.492	0.289	0.837
	Households with children	-0.487	0.308	0.114	0.615	0.336	1.124
	Single adult (reference)	0 ^b					
Househol d income	Medium (£25,000 to £49,999)	-0.099	0.285	0.727	0.905	0.518	1.583
	Highest (£50,000 and over)	0.287	0.282	0.309	1.332	0.767	2.315
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.005	0.288	0.986	0.995	0.566	1.749
	IMD 3	0.106	0.287	0.712	1.112	0.633	1.952
	IMD 4	0.098	0.321	0.760	1.103	0.587	2.071
	IMD 5 (least deprived)	0.257	0.317	0.418	1.293	0.694	2.406
	IMD 1 (most deprived) (reference)	0 ^b					

Impairment type	Cognitive impairment	0.227	0.232	0.329	1.255	0.796	1.978
	No cognitive impairment (reference)	0 ^b					
	Hearing or speech impairment	-0.468	0.367	0.203	0.626	0.305	1.287
	No hearing or speech impairment (reference)	0 ^b					
	Vision impairment	-0.237	0.337	0.482	0.789	0.408	1.528
	No vision impairment (reference)	0 ^b					
	Mobility impairment	-0.073	0.214	0.734	0.930	0.612	1.414
	No mobility impairment (reference)	0 ^b					
	Impairment relating to mental health	-0.075	0.227	0.741	0.928	0.594	1.448
	No Impairment relating to mental health (reference)	0 ^b					
	Other physical Impairment	-0.110	0.202	0.586	0.896	0.603	1.332
	No other physical Impairment (reference)	0 ^b					
	Other impairment	-1.072	0.559	0.055	0.342	0.114	1.025
	No other impairment (reference)	0 ^b					
Less than once a week but more than once a year (reference category)							
Less than once a year or never							
	Intercept	-0.305	0.214	0.154			
Gender	Female	-0.020	0.089	0.822	0.980	0.824	1.166
	Male (reference)	0 ^b					
Age	30 to 64	0.226	0.147	0.126	1.253	0.939	1.673
	65 to 74	0.321	0.184	0.082	1.378	0.960	1.979
	75+	1.105	0.193	<0.001	3.020	2.069	4.407

	18 to 29 (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.352	0.188	0.061	1.422	0.984	2.057
	Black, Black British, Black Welsh, Caribbean, or African	-0.532	0.242	0.028	0.587	0.365	0.944
	Mixed or Multiple and Other ethnic groups	-0.253	0.262	0.336	0.777	0.464	1.299
	White (reference)	0 ^b					
Area type	Rural	0.226	0.123	0.067	1.253	0.985	1.595
	Urban (reference)	0 ^b					
Economic Activity	Economically inactive	0.762	0.108	<0.001	2.143	1.736	2.646
	In work - part time or full time	0 ^b					
Houshold type	Multiple adults no children	0.379	0.117	0.001	1.461	1.163	1.837
	Households with children	0.353	0.147	0.017	1.423	1.066	1.900
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.271	0.116	0.020	0.762	0.607	0.958
	Highest (£50,000 and over)	-0.594	0.125	<0.001	0.552	0.432	0.706
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.572	0.127	<0.001	0.564	0.440	0.724
	IMD 3	-0.548	0.129	<0.001	0.578	0.449	0.744
	IMD 4	-0.456	0.141	0.001	0.634	0.481	0.835
	IMD 5 (least deprived)	-0.730	0.148	<0.001	0.482	0.360	0.645
	IMD 1 (most deprived) (reference)	0 ^b					
Impairment type	Cognitive impairment	-0.005	0.110	0.962	0.995	0.801	1.235

	No cognitive impairment (reference)	0 ^b					
	Hearing or speech impairment	0.166	0.130	0.201	1.181	0.915	1.524
	No hearing or speech impairment (reference)	0 ^b					
	Vision impairment	-0.033	0.136	0.809	0.968	0.741	1.263
	No vision impairment (reference)	0 ^b					
	Mobility impairment	0.453	0.096	<0.001	1.573	1.302	1.900
	No mobility impairment (reference)	0 ^b					
	Impairment relating to mental health	0.043	0.107	0.690	1.044	0.846	1.287
	No Impairment relating to mental health (reference)	0 ^b					
	Other physical Impairment	0.117	0.091	0.200	1.125	0.940	1.345
	No other physical Impairment (reference)	0 ^b					
	Other impairment	0.285	0.190	0.133	1.330	0.916	1.930
	No other impairment (reference)	0 ^b					
a. The reference category is: Less than once a week, once a year or more.							
b. This parameter is set to zero because it is redundant.							

Frequency travelling by taxi

Table C15 Multinomial regression model for frequency of taxi use ^a Stage 1 model, all respondents							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Upper)
At least once a week							

	Intercept	-0.727	0.132	<0.001			
Disability status	Disabled	0.528	0.083	<0.001	1.695	1.442	1.993
	Non-disabled (reference)	0 ^b					
Age	30 to 64	-0.671	0.075	<0.001	0.511	0.441	0.592
	65 to 74	-0.654	0.132	<0.001	0.520	0.402	0.673
	75+	-0.557	0.140	<0.001	0.573	0.435	0.755
	18 to 29 (reference)	0 ^b					
Gender	Female	0.092	0.064	0.148	1.096	0.968	1.242
	Male (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.145	0.105	0.166	1.156	0.942	1.420
	Black, Black British, Black Welsh, Caribbean, or African	0.887	0.117	<0.001	2.429	1.930	3.057
	Mixed or Multiple and Other ethnic groups	0.608	0.131	<0.001	1.838	1.420	2.378
	White (reference)	0 ^b					
Area type	Rural	-0.818	0.140	<0.001	0.441	0.335	0.581
	Urban (reference)	0 ^b					
Economic activity status	Economically inactive	0.020	0.084	0.811	1.020	0.865	1.204
	Working full or part time (reference)	0 ^b					
Household type	Multiple adults no children	0.028	0.099	0.779	1.028	0.847	1.247

	Households with children	0.018	0.109	0.868	1.018	0.822	1.261
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.526	0.096	<0.001	0.591	0.489	0.713
	Highest (£50,000 and over)	-0.583	0.092	<0.001	0.558	0.466	0.668
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.408	0.090	<0.001	0.665	0.557	0.793
	IMD 3	-0.577	0.097	<0.001	0.562	0.465	0.679
	IMD 4	-0.590	0.099	<0.001	0.554	0.456	0.674
	IMD 5 (least deprived)	-0.763	0.104	<0.001	0.466	0.380	0.572
	IMD 1 (most deprived) (reference)	0 ^b					
Less than once a week but more than once a year							
Less than once a year or never							
	Intercept	-0.382	0.080	<0.001			
Disability status	Disabled	0.145	0.048	0.003	1.156	1.052	1.271
	Non-disabled (reference)	0 ^b					
Age	30 to 64	0.099	0.047	0.036	1.104	1.007	1.210
	65 to 74	0.384	0.071	<0.001	1.468	1.278	1.686
	75+	0.531	0.077	<0.001	1.700	1.462	1.977
	18 to 29 (reference)	0 ^b					
Gender	Female	-0.150	0.034	<0.001	0.861	0.805	0.921
	Male (reference)	0 ^b					
Ethnicity	Asian, Asian British, or	0.586	0.055	<0.001	1.797	1.614	2.002

	Asian Welsh						
	Black, Black British, Black Welsh, Caribbean, or African	-0.005	0.092	0.955	0.995	0.831	1.191
	Mixed or Multiple and Other ethnic groups	-0.224	0.099	0.023	0.799	0.659	0.969
	White (reference)	0 ^b					
Area type	Rural	0.534	0.048	<0.001	1.707	1.555	1.873
	Urban (reference)	0 ^b					
Economic activity status	Economically inactive	0.265	0.047	<0.001	1.303	1.189	1.429
	Working full or part time (reference)	0 ^b					
Household type	Multiple adults no children	0.351	0.055	<0.001	1.420	1.274	1.582
	Households with children	0.366	0.062	<0.001	1.442	1.277	1.628
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.062	0.053	0.247	0.940	0.847	1.044
	Highest (£50,000 and over)	-0.474	0.053	<0.001	0.622	0.561	0.690
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.130	0.055	0.018	0.878	0.788	0.978
	IMD 3	-0.057	0.055	0.300	0.945	0.848	1.052
	IMD 4	-0.242	0.056	<0.001	0.785	0.703	0.876
	IMD 5 (least deprived)	-0.344	0.057	<0.001	0.709	0.635	0.792

	IMD 1 (most deprived) (reference)	0 ^b					
a. The reference category is: Less than once a week but at least once a year.							
b. This parameter is set to zero because it is redundant.							

Table C16 Multinomial regression model for frequency of taxi use ^a Stage 2 model, all disabled respondents							
Predictor		B	S.E.	Sig.	Odds ratio (Exp(B))	95% CI (Lower)	95% CI (Up per)
At least once a week							
	Intercept	-0.884	0.306	0.004			
Gender	Female	0.405	0.142	0.004	1.499	1.134	1.981
	Male (reference)	0 ^b					
Age	30 to 64	-0.553	0.203	0.006	0.575	0.387	0.856
	65 to 74	-0.505	0.275	0.066	0.604	0.352	1.034
	75+	-0.524	0.275	0.056	0.592	0.345	1.014
	18 to 29 (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.258	0.286	0.368	1.294	0.738	2.268
	Black, Black British, Black Welsh, Caribbean, or African	0.823	0.279	0.003	2.277	1.319	3.930
	Mixed or Multiple and Other ethnic groups	0.968	0.315	0.002	2.632	1.420	4.878
	White (reference)	0 ^b					
Area type	Rural	-1.029	0.312	0.001	0.357	0.194	0.659
	Urban (reference)	0 ^b					

Economic Activity	Economically inactive	0.161	0.173	0.352	1.175	0.837	1.650
	In work - part time or full time	0 ^b					
Household type	Multiple adults no children	-0.058	0.174	0.738	0.944	0.671	1.326
	Households with children	0.221	0.215	0.304	1.248	0.818	1.903
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	-0.543	0.186	0.003	0.581	0.404	0.836
	Highest (£50,000 and over)	-0.460	0.191	0.016	0.631	0.434	0.918
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.391	0.183	0.033	0.676	0.473	0.968
	IMD 3	-0.341	0.189	0.071	0.711	0.491	1.029
	IMD 4	-0.880	0.239	<0.001	0.415	0.260	0.663
	IMD 5 (least deprived)	-0.622	0.233	0.008	0.537	0.340	0.848
	IMD 1 (most deprived) (reference)	0 ^b					
Impairment type	Cognitive impairment	-0.136	0.167	0.414	0.873	0.630	1.210
	No cognitive impairment (reference)	0 ^b					
	Hearing or speech impairment	0.305	0.184	0.097	1.357	0.946	1.947
	No hearing or speech impairment (reference)	0 ^b					
	Vision impairment	0.523	0.177	0.003	1.687	1.192	2.389

	No vision impairment (reference)	0 ^b					
	Mobility impairment	0.207	0.155	0.181	1.230	0.908	1.666
	No mobility impairment (reference)	0 ^b					
	Impairment relating to mental health	0.264	0.160	0.099	1.302	0.951	1.782
	No Impairment relating to mental health (reference)	0 ^b					
	Other physical Impairment	-0.202	0.143	0.159	0.817	0.618	1.082
	No other physical Impairment (reference)	0 ^b					
	Other impairment	-0.228	0.358	0.524	0.796	0.395	1.605
	No other impairment (reference)	0 ^b					
Less than once a week but more than once a year (reference)							
Less than once a year or never							
	Intercept	-0.625	0.207	0.003			
Gender	Female	-0.083	0.084	0.320	0.920	0.781	1.084
	Male (reference)	0 ^b					
Age	30 to 64	0.233	0.147	0.113	1.263	0.946	1.685
	65 to 74	0.314	0.182	0.085	1.369	0.958	1.957
	75+	0.314	0.181	0.084	1.368	0.959	1.953
	18 to 29 (reference)	0 ^b					
Ethnicity	Asian, Asian British, or Asian Welsh	0.382	0.181	0.035	1.465	1.027	2.088

	Black, Black British, Black Welsh, Caribbean, or African	-0.301	0.245	0.220	0.740	0.458	1.198
	Mixed or Multiple and Other ethnic groups	-0.091	0.270	0.737	0.913	0.538	1.551
	White (reference)	0 ^b					
Area type	Rural	0.596	0.116	<0.001	1.814	1.445	2.277
	Urban (reference)	0 ^b					
Economic Activity	Economically inactive	0.525	0.107	<0.001	1.690	1.370	2.086
	In work - part time or full time	0 ^b					
Household type	Multiple adults no children	0.315	0.107	0.003	1.371	1.110	1.692
	Households with children	0.462	0.142	0.001	1.588	1.201	2.099
	Single adult (reference)	0 ^b					
Household income	Medium (£25,000 to £49,999)	0.096	0.109	0.378	1.101	0.889	1.362
	Highest (£50,000 and over)	-0.272	0.120	0.023	0.762	0.603	0.964
	Lowest (Less than £25,000) (reference)	0 ^b					
IMD	IMD 2	-0.028	0.121	0.818	0.973	0.767	1.233
	IMD 3	0.040	0.122	0.745	1.040	0.820	1.321
	IMD 4	-0.119	0.131	0.366	0.888	0.687	1.149
	IMD 5 (least deprived)	-0.336	0.140	0.016	0.715	0.544	0.940
	IMD 1 (most	0 ^b					

	deprived) (reference)						
Impairment type	Cognitive impairment	-0.018	0.105	0.863	0.982	0.799	1.20 7
	No cognitive impairment (reference)	0 ^b					
	Hearing or speech impairment	0.066	0.120	0.584	1.068	0.844	1.35 1
	No hearing or speech impairment (reference)	0 ^b					
	Vision impairment	-0.263	0.130	0.043	0.769	0.596	0.99 1
	No vision impairment (reference)	0 ^b					
	Mobility impairment	0.131	0.093	0.161	1.140	0.949	1.36 9
	No mobility impairment (reference)	0 ^b					
	Impairment relating to mental health	-0.118	0.104	0.258	0.889	0.725	1.09 0
	No Impairment relating to mental health (reference)	0 ^b					
	Other physical Impairment	-0.080	0.087	0.359	0.923	0.779	1.09 5
	No other physical Impairment (reference)	0 ^b					
	Other impairment	0.367	0.185	0.047	1.444	1.006	2.07 3
	No other impairment (reference)	0 ^b					
a. The reference category is: Less than once a week but at least once a year.							
b. This parameter is set to zero because it is redundant.							