

Supplementary Table 1: Accessible non-census datasets containing wider determinants of health in England

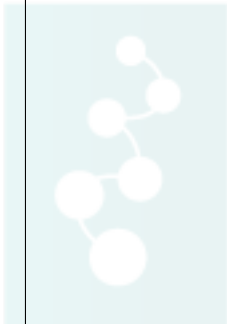
Category	Dataset name	Full weblink address	Data Source	Dataset description	Update frequency/ dataset dates	Lowest geography
Demographic data	Bereavement benefits*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Payable to people widowed on or after 9 <sup>th</sup> April 2001.	Quarterly – last Aug 23	OA
	Bereavement support payment*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Payable to widows, widowers or surviving civil partners bereaved on or after 6 <sup>th</sup> April 2017.	Quarterly – last Aug 23	OA
Education	Attendance in schools	<a href="https://explore-education-statistics.service.gov.uk/find-statistics/pupil-attendance-in-schools">https://explore-education-statistics.service.gov.uk/find-statistics/pupil-attendance-in-schools</a>	Department for Education	Daily data on attendance for each pupil on their registers.	Weekly – last 2023	Post code
Health/care	Higher education progression (TUNDRA)	<a href="https://www.officeforstudents.org.uk/data-and-analysis/young-participation-by-area/">https://www.officeforstudents.org.uk/data-and-analysis/young-participation-by-area/</a>	Office for Students	Data on progression to higher education for cohorts in England.	2012-2016	LSOA
	Access to Healthy Assets and Hazards (AHAH)*	<a href="https://data.cdrc.ac.uk/dataset/access-healthy-assets-hazards-ahah">https://data.cdrc.ac.uk/dataset/access-healthy-assets-hazards-ahah</a>	Consumer Data Research Centre	Measure of 'healthy' neighbourhoods. Use four indicators: retail availability, health services, blue/green space, air quality.	2022	LSOA
	GP practice registration	<a href="https://digital.nhs.uk/data-and-information/publications/statistical/patients-registered-at-a-gp-practice/december-2022">https://digital.nhs.uk/data-and-information/publications/statistical/patients-registered-at-a-gp-practice/december-2022</a>	UK government	Monthly snapshot of people registered at GP practices.	2022	LSOA
Demographic data	Carer's allowance*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Paid to carers of severely disabled person for at least 35 hours a week.	Quarterly – last Aug 23	OA
	Attendance allowance*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Financial benefits for people over the age of 65 and severely disabled and require help with personal care or supervision.	Quarterly – last Aug 23	OA
Demographic data	Personal Independence Payment*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Recipients require extra costs caused by long-term disability, ill-health or terminal ill-health.	Quarterly – last Oct 23	OA

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	Work and health programme*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Data on the Work and Health Programme (referrals, outcomes, first earnings) helping those with health issues to work .	Quarterly – last Nov 23	OA
Environment	Spatial Signatures of Great Britain*	<a href="https://data.cdrc.ac.uk/dataset/spatial-signatures-great-britain">https://data.cdrc.ac.uk/dataset/spatial-signatures-great-britain</a>	Consumer Data Research Centre	Spatial signatures based on form and function to understand how urban environments look (form) and are used (function).	2011	LSOA
	Multi-dimensional Open Data of Urban Morphology (MODUM)*	<a href="https://data.cdrc.ac.uk/dataset/classification-multidimensional-open-data-urban-morphology-modum">https://data.cdrc.ac.uk/dataset/classification-multidimensional-open-data-urban-morphology-modum</a>	Consumer Data Research Centre	Describes neighbourhoods based on built environment and urban morphology.	2011	LSOA
	Road Safety Data	<a href="https://www.data.gov.uk/dataset/cb7ae6f0-4be6-4935-9277-47e5ce24a11f/road-safety-data">https://www.data.gov.uk/dataset/cb7ae6f0-4be6-4935-9277-47e5ce24a11f/road-safety-data</a>	UK government	Data on road safety – casualties, collisions, and e-scooter data.	2022	LSOA
	Local crime data	<a href="https://data.police.uk/data/">https://data.police.uk/data/</a>	UK Police	All crimes by type and outcome, including stop and search information	2021	LSOA
	Fire and rescue incidents	<a href="https://www.gov.uk/government/statistics/announcements/fire-and-rescue-incident-statistics-england-year-ending-september-2023">https://www.gov.uk/government/statistics/announcements/fire-and-rescue-incident-statistics-england-year-ending-september-2023</a>	UK government	Incidents and fires attended by fire and rescue services, fire-related fatalities, casualties, and response times.	2023	LSOA
Housing	Dwelling ages and prices*	<a href="https://data.cdrc.ac.uk/dataset/dwelling-ages-and-prices">https://data.cdrc.ac.uk/dataset/dwelling-ages-and-prices</a>	Consumer Data Research Centre	Residential properties mapped, including dwelling age periods and house prices.	2021	LSOA

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	Council tax bands	<a href="https://www.gov.uk/government/statistics/council-tax-property-attributes">https://www.gov.uk/government/statistics/council-tax-property-attributes</a>	UK government	Number of dwellings by Council Tax band <sup>3</sup> and property attributes.	2014	LSOA
	Price Paid Data	<a href="https://www.gov.uk/government/collections/price-paid-data">https://www.gov.uk/government/collections/price-paid-data</a>	UK government	Property sales in England and Wales – sold for value and lodged with HM Land Registry for registration.	Monthly – 2023	Post code
	Housing benefit*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Housing Benefit paid to support part or all of a person's rent for those on a low income...	Quarterly – last Aug 23	OA
Social/ community factors	Registered charities in the England and Wales	<a href="https://register-of-charities.charitycommission.gov.uk/register/full-register-download">https://register-of-charities.charitycommission.gov.uk/register/full-register-download</a>	Charity Commission	List of all registered charities in the UK – registered address	Daily – 2023	Post code
	CDRC Residential Mobility Index*	<a href="https://data.cdrc.ac.uk/dataset/cdrc-residential-mobility-index">https://data.cdrc.ac.uk/dataset/cdrc-residential-mobility-index</a>	Consumer Data Research Centre	Households that have changed (residents moving in or out of area) between the beginning and the end of each year.	2023	LSOA
	Mid2020 Population Estimates	<a href="https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/datasets/lowersuperoutputareamidyearpopulationestimatesnationalstatistics">https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/datasets/lowersuperoutputareamidyearpopulationestimatesnationalstatistics</a>	Office for National Statistics	Yearly mid-year population estimates stratified by age and sex	Annually – 2020	LSOA
	Also at: Stat-Xplore – Home	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>		Stat-Xplore - Estimates of the usual resident population in UK.		
	Mid-year population density	<a href="https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/datasets/lowersuperoutputareapopulationdensity">https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/datasets/lowersuperoutputareapopulationdensity</a>	Office for National Statistics	Yearly mid-year population density	2020	OA

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Socio-economic factors	Internet user classification*	<a href="https://data.cdrc.ac.uk/dataset/internet-user-classification">https://data.cdrc.ac.uk/dataset/internet-user-classification</a>	Consumer Data Research Centre	Internet User Classification (IUC), a bespoke classification that describes Internet use and engagement.	2011	LSOA
	Consumer vulnerability*	<a href="https://data.cdrc.ac.uk/dataset/consumer-vulnerability">https://data.cdrc.ac.uk/dataset/consumer-vulnerability</a>	Consumer Data Research Centre	Consumer vulnerability - the risk that a consumer's mental, physical, or financial welfare may be damaged by markets.	2011	LSOA
Work/ income	Electric prepayment meters	<a href="https://www.gov.uk/government/statistics/electric-prepayment-meters-statistics">https://www.gov.uk/government/statistics/electric-prepayment-meters-statistics</a>	Department for Environment, Food & Rural Affairs	Annual prepayment meter electricity statistics.	2017	Postcode
	Vehicle ownership	<a href="https://www.gov.uk/government/statistical-data-sets/vehicle-licensing-statistics-data-files">https://www.gov.uk/government/statistical-data-sets/vehicle-licensing-statistics-data-files</a>	Department for Environment, Food & Rural Affairs	Number of licenced vehicles at small geography.	2022	LSOA
	Local Income Deprivation	<a href="https://www.ons.gov.uk/peoplepopulationandcommunity/personalandhouseholdfinances/">https://www.ons.gov.uk/peoplepopulationandcommunity/personalandhouseholdfinances/</a>	Office for National Statistics	Local income deprivation.	2019	LSOA
	Indices of Deprivation	<a href="https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019">https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019</a>	Ministry of Housing, Communities & Local Government	Data on deprivation in England.	2019	OA
	Townsend scores	<a href="https://statistics.ukdataservice.ac.uk/dataset/2011-uk-townsend-deprivation-scores">https://statistics.ukdataservice.ac.uk/dataset/2011-uk-townsend-deprivation-scores</a>	UK Data Service	Material deprivation calculated from four census variables.	2017	OA
	Sub-regional fuel poverty	<a href="https://www.gov.uk/government/statistics/sub-regional-fuel-poverty-data-2022">https://www.gov.uk/government/statistics/sub-regional-fuel-poverty-data-2022</a>	UK government	Fuel poverty data measured as low income and low energy efficiency (LILEE).	2020	LSOA
	Personal tax credits	<a href="https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fassets.publishing.service.gov.uk%2Fgovernment%2Fuploads%2Fsystem%2Fuploads%2Fattachment_data%2Ffile%2F1106252%2FPersonal_Tax_Credits_Small_Area_Data_2020_to_2021.ods&amp;wdOrigin=BROWSELINK">https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fassets.publishing.service.gov.uk%2Fgovernment%2Fuploads%2Fsystem%2Fuploads%2Fattachment_data%2Ffile%2F1106252%2FPersonal_Tax_Credits_Small_Area_Data_2020_to_2021.ods&amp;wdOrigin=BROWSELINK</a>	Department for Environment, Food & Rural Affairs	Geographical estimates of the number of families in receipt of tax credits as of 31 August 2020.	2020	LSOA
	Children in income-deprived households	<a href="https://www.gov.uk/government/statistics/tracking-economic-and-child-income-deprivation-at-neighbourhood-level-in-england-1999-to-2009">https://www.gov.uk/government/statistics/tracking-economic-and-child-income-deprivation-at-neighbourhood-level-in-england-1999-to-2009</a>	Department for Environment, Food & Rural Affairs	Tracking economic and child income deprivation at neighbourhood level in England: 1999 to 2009	1999-2009	LSOA

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	Also at: Stat-Xplore – Home	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	DWP information - children living in absolute low income	Annual – last 21/22	
	Universal credit*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Universal credit claimants – claimants by year and quarter	2016-2021	OA
	Alternative claimants*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Number of people claiming unemployment-related benefits – modelled as if Universal Credit had been in place earlier . .	2022	OA
	Incapacity benefit/severe disability allowance*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	People incapable of work. Replaced by Employment and Support Allowance (ESA) below from October 2008.	Quarterly – last Aug 23	OA
	Employment and support allowance*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Income replacement benefit for people below state pension age. Financial support for those who are unable to work.	Quarterly – last Aug 23	OA
	Income Support*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Covers costs for people on low incomes who do not have to be available for employment. Replaced by Universal Credit (UC).	Quarterly – last Aug 23	OA
	National insurance registrations*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	People registering for a National Insurance Number in order to work or to claim benefits / tax credits.	Quarterly – last Dec 23	OA

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	Pension Credit*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Provided to pensioners at the lower end of the income scale and those people with modest provision for retirement.	Quarterly – last Aug 23	OA
	State pension*	<a href="https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml">https://stat-xplore.dwp.gov.uk/webapi/jsf/dataCatalogueExplorer.xhtml</a>	Department for Work and Pensions	Data on individuals claiming UK state pension.	Quarterly – last May 23	OA
	Child benefit receipt	<a href="https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fassets.publishing.service.gov.uk%2Fmedia%2F60868009d3bf7f0132941998%2F2020_-_South_East_-_LSOA_ods&amp;wdOrigin=BROWSELINK">https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fassets.publishing.service.gov.uk%2Fmedia%2F60868009d3bf7f0132941998%2F2020_-_South_East_-_LSOA_ods&amp;wdOrigin=BROWSELINK</a>	UK government	Households in receipt of child benefit – anyone with a national insurance number and has at least 1 child	2020	LSOA

\*denotes datasets that require email registration to access data and/or downloads but still freely accessible online.



Supplementary Table 2: England and Wales Census 2021 datasets relevant to wider determinants of health

Category	Dataset full title	Short name with link
Demographic data	Multi-religion households	TS075
	Country of birth	TS004
	Passports held	TS005
	Age by single year	TS007
	Sex	TS008
	Year of arrival in UK	TS015
	Length of residence	TS016
	Age of arrival in the UK	TS018
	Migrant Indicator	TS019
	Number of non-UK short-term residents by sex	TS020
	Ethnic group	TS021
	Multiple ethnic group	TS023
	Household language	TS025
	Multiple main languages in household	TS026
	National identity - UK	TS027
	Proficiency in English	TS029
	Legal partnership status	TS002
	Disability	TS038
	Religion	TS030
	Number of disabled people in household	TS040
Education	Highest level of qualification	TS067
	Schoolchildren and full-time students	TS068
Health/care	Provision of unpaid care	TS039
	General health	TS037
Housing	Usual residents in households/communal establishments	TS001
	Household composition	TS003
	Household size	TS017
	Number of households	TS041
	Accommodation type	TS044
	Number of bedrooms	TS050
	Number of rooms	TS051
	Occupancy rating for bedrooms	TS052
	Occupancy rating for rooms	TS053
	Tenure	TS054
	Purpose of second address	TS055
	Second address indicator	TS056
	Social/community	Population density
Socio-economic factors	Households by deprivation dimensions	TS011
	Car or van availability	TS045
	Central heating	TS046
Work/Income	Distance travelled to work	TS058
	Hours worked	TS059
	Method used to travel to work	TS061
	Employment type	TS062
	Occupation	TS063
	Employment history	TS065
Economic activity status	TS066	

