Housing Variables - Data Discovery

Domains

Colours meaning. Red needs doing, orange for review, green good. LUKE: I've not coloured any of the topics you've listed already. Feel free to ignore.

- Housing cost
  - Financial perception/debt?
  - How did you buy your house? E.g. mortgage/ inheritance /gift.
- Tenure type
  - Housing benefits/rent rebates? (othben8)
- Housing quality
  - Heating
  - S7 housing quality
  - More?
- Neighbourhood Safety
  - Stick with SIPHER 7 definition?
- Neighbourhood Quality
  - Green space
  - Youth facilities
  - Access to goods and services (i.e. gym / fast food / supermarkets/amenities?)
- Transport
  - Public transport
  - Commute times? Traffic?
  - Commute ability/cost?
- Overcrowding
- Community??
  - Ethnic diversity / migrant communities
  - Language barriers]
- Fuel consumption (CO2 emissions?)
- Material deprivation composite?
  - Luke mentioned combining several poor coverage deprivation variables into a composite. May be a lot of duplicates from other sections but this would be useful to present to wider SIPHER as an idea.
- Previous wave variables?

○ Change in state may be more interesting. E.g. those that have moved into more vulnerable accommodation. See ff_X types variables. E.g. ff_hsownd.

Housing Cost

Variable	Label	Datafile	Waves	Notes
OUTGOINGS				
houscost1_dv	monthly housing cost including mortgage principal payments	hhresp	All	Is the total housing costs including capital repayments See derived-variables-income-and-other section for more info on derived income variables.
houscost2_dv	monthly housing cost excluding mortgage principal payments	hhresp	All	Is the total housing costs excluding capital repayments
rentgrs_dv	monthly gross rent, including housing benefit	hhresp	All	Is the computed monthly gross rent i.e., including any housing benefit received. Missing values are imputed and where the household reports 100% housing benefit (in which case no rent value is reported), the value is set equal to the housing benefit reported in the individual questionnaire and a value imputed if not reported there. Inapplicable for most (75%) based on whether renting or not.
HOUSE	**VALUE**			
hstotmg	total amount secured against property	hhresp	1, 5-12	Coverage about 25-30% of dataset. Majority inapplicable due to not owning/mortgage property. **Text:** Could I just check, approximately how much is the total amount secured against this property, including your mortgage and any other loans secured on the property? If possible, please check your annual mortgage statement for each loan or mortgage secured on

				the property.
hsval	value of property: home owners	hhresp	All	**Text:** About how much would you expect to get for your home if you sold it today? Not sure if it fits best in housing costs or housing quality, so putting it in both.
xphsdb	Problems paying for housing	hhresp	All	**Text:** Many people find it hard to keep up with their housing payments. In the last twelve months, have you ever found yourself behind with your rent/mortgage? If in mortgaged or rented accommodation - not free. Looks to cover all rented and mortgaged with not much missing (40% outright owners are inapplicable).
ctband_dv	council tax band, using reports, external data and imputes	hhresp	All	
xphsdba	up to date with all bills	hhresp	All	
xphsdct	problems paying council tax	hhresp	All	
HOUSING	**BENEFITS**			
othben8	Housing Benefit	indresp	6-12	
benhou1	mc housing benefit	indresp	1-5	
pbnft8	Housing Benefit/Rent Rebate	indresp	All	
PERSONAL	**FINANCE**			**Not sure if this is the place for this (or whether its even part of the housing work) but this could be part of a financial perceptions module?**
save	whether saves	indresp	2, 4, 6, 8, 10	
saved	monthly amount	indresp	2, 4, 6, 8,	

Variable		Datafile	Waves	Notes
	saved		10	
savlt	saving long or short term	indresp	2, 4, 6, 8, 10,	
savreg	regular saver	indresp	2, 4, 6, 8, 10,	
finfut	Subjective financial situation - future	indresp	All	**Text:** Looking ahead, how do you think you will be financially a year from now, will you be… 3 level ordinal; better, worse, same.
finnow	Subjective financial situation - current	indresp	All	**Text:** How well would you say you yourself are managing financially these days? Would you say you are… Comfortable, doing alright, just getting by, finding quite difficult, very difficult.

Tenure Type

Variable	Label	Datafile	Waves	Notes
tenure_dv	Housing tenure	hhresp, indresp	All	V good coverage, options are: - Owned outright - Owned with mortgage - Local authority rent - Housing assoc rented - Rented from employer - Rented private unfurnished - Other Various other variables relating to each level here, i.e. vars for owning accommodation, rent from employer etc. but this derived var covers everything.
hsyrbuy	year bought	hhresp	All	Looks like good coverage for home owners. Potentially useful if we ever feel new owners / long term owners is useful thing to know.
mgynot	how home came to be owned outright	hhresp	2-12	Probably not useful but being thorough.

Variable	Label	Datafile	Waves	Notes
rentf	furnishings	hhresp	1-11	Might be more applicable to housing quality but also could be important in creating a single tenure proxy.
ff_hsownd	tenancy status at previous wave	hhresp	2-12	

Housing Quality

Variable	Label	Datafile	Waves	Notes
matdepd	Material deprivation: house	hhresp	1,2,4,6,8, 10,12	**Text:** Enough money to keep your house in a decent state of repair? Only asked if either: Kids in house OR No kids and No pensioners
hsfit	external condition of the address relative to other residences	hhsamp	All	Weird coverage. Absolutely brilliant from wave 1-5 (90%+), then gradually inapplicable group grows until ~90% are inapplicable in wave 12. No explanation for the universe of this variable, or what makes a respondent inapplicable. Also hhsamp dataset is HUGE in wave 1 (~95,000) and drops to ~22,000) in wave 12. Need to investigate this dataset, and see whether there is a good explanation for any of this.
hsval	value of property: home owners	hhresp	All	**Text:** About how much would you expect to get for your home if you sold it today? Not sure if it fits best in housing costs or housing quality, so putting it in both.
MOVING	**HOUSE**	**REASON**		
ikmove	prefers to move house	indresp	All	Possibly lots of reasons to want to move house but could make up part of a more detailed housing quality variable. Perhaps if combined with other indicators of housing quality i.e. if

				housing quality == bad and wants to move; outcome == worse than just if quality is bad.
movy14	Housing related reasons	indresp	2-12	Think this is wanting to move for housing related reasons. V bad coverage (something like 8%), only including as could be useful with ikmove above.
housing	moved for housing reasons	indresp	2-12	**Text:** What housing related reason was that? Lots of options here, including some that could be really important (only listing some): - Wanted bigger - Wanted cheaper - Health reasons (house damp, house not healthy) - Wanted bungalow / no stairs / ground floor - Evicted / forced move - Needed care in sheltered accom / care / nursing home Unfortunately very low numbers here mainly because not many people move, but also because respondent had to be in previous wave. Makes me wonder if there is a var about people wanting to move with same reasons though? Could be better covered.
area	Moved for area related reasons	indresp	2-12	Same as above but area related. Things like: - Traffic - Isolated / lack of facilities - Crime, vandalism, unsafe - Unfriendly area / disliked neighbours Again v low coverage so probably not useful but worth a chat.
TYPE OF	**HOUSE**			
dwltype	Type of accommodation	indall	7-12	- House or bungalow - Purpose built flat or maisonette - Converted flat or maisonette - Dwelling with business premises - Bedsit - Sheltered accom

				- Institutional accom - Something else? Seems only asked if respondent moved from last wave, but not full in wave 7? So maybe another variable up to wave 6 with this info? Otherwise very very low coverage…
hsrooms	other rooms	hhresp	All	**Text:** And how many other rooms do you have in your accommodation, excluding kitchens and bathrooms? Putting this here and in overcrowding as it might be an indicator for both? In housing quality context thinking about the amount of living space that isn't bedrooms, kitchen, or bathrooms. Thinking examples could be: - Living room - Dining room - Conservatory - Childrens playroom - Study / office - Sunroom? - Utility
CONDITION	**FIXTURES /**	**FITTINGS**		**(only asked to pensioners)**
pdepg1	services good working order: yes	hhresp	4, 6, 8, 10, 12	**Start of a block of decent looking questions on housing quality.** **Text:** Are your heating, electrics, plumbing and drains kept in good working order? (No children aged 0 to 15 in the household and one or more persons of pensionable age) Unfortunately only asked to pensioners and coverage is poor even within the small sample of pensioners (~70% inapplicable of a ~17,000 sample).
pdepg2	services good working order: no, no money for this	hhresp	4, 6, 8, 10, 12	
pdepg3	services good working order:	hhresp	4, 6, 8, 10, 12	

	no, not a priority			
pdepg4	services good working order: no, health/disability prevents this	hhresp	4, 6, 8, 10, 12	
pdepg5	services good working order: no, too much trouble/too tiring	hhresp	4, 6, 8, 10, 12	
pdepg6	services good working order: no, no company/help	hhresp	4, 6, 8, 10, 12	
pdepg7	services good working order: no, not wanted	hhresp	4, 6, 8, 10, 12	
pdepg8	services good working order: no, not relevant	hhresp	4, 6, 8, 10, 12	
pdepg97	services good working order: spontaneous: no, other	hhresp	4, 6, 8, 10, 12	
pdeph1	damp-free home: yes	hhresp	4, 6, 8, 10, 12	**This is another member of a set of variables on damp, but again only asked to pensioners and has poor coverage even within the small sample.**
CONSUMER	**DURABLES**			
cduse1	colour television	hhresp	All	
cduse10	mc home computer/pc (not games console)	hhresp	1-7	
cduse11	mc compact disc player (include if part of a sound system)	hhresp	1-7	
cduse12	landline telephone	hhresp	All	
cduse13	mobile telephone	hhresp	All	

cduse2	video recorder/dvd player	hhresp	All	
cduse3	satellite dish/sky tv	hhresp	1-7	
cduse4	mc cable tv	hhresp	1-7	
cduse5	deep freeze or fridge freezer	hhresp	All	
cduse6	washing machine	hhresp	All	
cduse7	tumble dryer	hhresp	All	
cduse8	dish washer	hhresp	All	
cduse9	microwave oven	hhresp	All	
cduse96	or none of the above?	hhresp	All	
hhpc1	Desktop computer	hhresp	8-12	
hhpc2	Laptop computer	hhresp	8-12	
hhpc3	Netbook computer	hhresp	8-12	
hhpc4	Tablet computer	hhresp	8-12	
hhpc5	Other	hhresp	8-12	
hhpc96	None of the above?	hhresp	8-12	

Material Deprivation Composite

Variable	**Label**	**Datafile**	**Waves**	**Notes**
matdepa	material deprivation: holiday	hhresp	1, 2, 4, 6, 8, 10, 12	

Variable	Label	Datafile	Waves	Notes
matdepb	material deprivation: social meal/drink	hhresp	1, 2	
matdepc	material deprivation: shoes	hhresp	1, 2	
matdepd	material deprivation: house	hhresp	1, 2, 4, 6, 8, 10, 12	
matdepe	material deprivation: contents insurance	hhresp	1, 2, 4, 6, 8, 10, 12	
matdepf	regular savings	hhresp	1, 2, 4, 6, 8, 10, 12	
matdepg	replace worn out furniture	hhresp	1, 2, 4, 6, 8, 10, 12	
matdeph	replace or repair major electrical goods	hhresp	1, 2, 4, 6, 8, 10, 12	
matdepi	material deprivation: money for self	hhresp	4, 6, 8, 10, 12	
matdepj	material deprivation: keep up with bills	hhresp	4, 6, 8, 10, 12	

Neighbourhood Safety

Neighbourhood Quality

Variable	Label	Datafile	Waves	Notes
cdelply	Space outdoors to play	hhresp	1,2,4,6,8,10,12	V poor coverage. 70-75% inapplicable due (I assume) to not having children.

grimyn	Pollution from traffic and industry	hhresp	3,6,9,12	Not brilliant coverage again. Not sure why as the sample in wave 12 is only ~17,000. No explanation as to why or who is missing. POTENTIAL REASON? This appears to be part of a 'Values, Opinions, and Attitudes' subsection. Could be that fewer people actually filled this part in, or that it was only offered to a subset of the hhresp population.
locserap	standard of local services: primary schools	indresp	3,6,12	**Text:** I'm going to read out a list of facilities and services in your local area. For each one please tell me whether you consider your local area services to be excellent, very good, fair or poor? Primary schools? Completely baffled as to why this is only available for 3 waves and missing wave 9. Coverage is pretty good also so could have been a good var.
locseras	standard of local services: secondary schools	indresp	3,6,12	Why do these variables not run more often? WHY?
locserc	standard of public transport	indresp	3,6,12	
locserd	standard of local services: shopping	indresp	3, 6, 12	
locsere	standard of local services: leisure	indresp	3, 6, 12	
nbrcoh1	close-knit neighbourhood	indresp, hhresp	3,6,12	
nbrcoh2	people willing to help their neighbours	indresp, hhresp	3, 6, 12	
nbrcoh3	people in this neighbourhood can be trusted	indresp, hhresp	3, 6, 12	
nbrcoh4	people in this neighbourhood don't get along with each other	indresp, hhresp	3, 6, 12	

nbrcoh_dv	Neighbourhood Social Cohesion,(Î±= .8)	indresp, hhresp	3, 6, 12	
nbrcohdk_dv	Neighbourhood social cohesion: Total number of don't knows	indresp, hhresp	3, 6, 12	
nbrsnci_dv	Buckner's Neighbourhood Cohesion Instrument, short (Î±= .88)	indresp	1, 3, 6, 9, 12	Neighbourhood Cohesion. Adapted from Buckner's Neighbourhood Cohesion Instrument. See Buckner, J. C. (1988). "The development of an instrument to measure neighborhood cohesion." American Journal of Community Psychology 16(6): 771-791. Computed as the mean reverse-coded response (rounded to 1-decimal point) to the origin variables. Higher values represent greater cohesion, ranging from 1"lowest cohesion" to 5"highest cohesion". Note that Understanding Society includes only one 1 of 3 items measuring attraction to the neighbourhood (SCOPNGBHF), 3 out of 6 items measuring neighbouring (SCOPNGBHD SCOPNGBHC SCOPNGBHH) and 4 out of 9 items measuring psychological sense of community (SCOPNGBHG SCOPNGBHA SCOPNGBHB SCOPNGBHE). To assure a good representation of all three domains in the summary score, the derived variable is set to -9 "missing" if there was item non-response for more than half the input variables in any of the three domains. Cronbach's Alpha is reported in the variable label. Decent coverage here, and seems like a really good piece of the neighbourhood quality puzzle. By the sounds of that description it is a combination of a number of variables on neighbourhood attraction, 'neighbouring', and community.

Transport

Variable	Label	Datafile	Waves	Notes
PERSONAL				
carval	value vehicle(s) less amount outstanding	hhresp, indresp	2-12	This is a tenuous link, but thought this could be useful even if I don't know how yet. Maybe the only interesting distinction is whether the household has a car? Or multiple cars? Worth a chat.
caruse	Has use of car or van	indresp	All	
ncars	number of cars/vans owned by household	hhresp, indresp	All	Hhresp sample small but indresp is big.
locserc	standard of public transport	indresp	3, 6, 12	

Overcrowding

Variable	Label	Datafile	Waves	Notes
hsbeds	number of bedrooms	hhresp	All	Combine with hhsize (no in household) and can proxy for overcrowding? Although from hhsize - "*This may include absent household members*" which could create a headache.
hsrooms	other rooms	hhresp	All	**Text:** And how many other rooms do you have in your accommodation, excluding kitchens and bathrooms? Putting this here and in housing quality as it might be an indicator for both?
				More variables relating to number of rooms available, just

Community

Variable	Label	Datafile	Waves	Notes
scopngbha	Belong to neighbourhood	indresp	1, 3, 6, 9, 12	Good questions relating to community and social aspects of neighbourhood. Better than the neighbourhood social cohesion score because it covers more waves / more regular? Or maybe something to join together with Buckners cohesion score.
scopngbhb	Local friends mean a lot	indresp	1, 3, 6, 9, 12	
scopngbhc	Advice obtainable locally	indresp	1, 3, 6, 9, 12	
scopngbhd	Can borrow things from neighbours	indresp	1, 3, 6, 9, 12	
scopngbhe	Willing to improve neighbourhood	indresp	1, 3, 6, 9, 12	
scopngbhf	Plan to stay in neighbourhood	indresp	1, 3, 6, 9, 12	
scopngbhg	Am similar to others in neighbourhood	indresp	1, 3, 6, 9, 12	
scopngbhh	Talk regularly to neighbours	indresp	1, 3, 6, 9, 12	
nbrsnci_dv	Buckner's Neighbourhood Cohesion Instrument, short (Î±= .88)	indresp	1, 3, 6, 9, 12	Neighbourhood Cohesion. Adapted from Buckner's Neighbourhood Cohesion Instrument. See Buckner, J. C. (1988). "The development of an instrument to measure neighborhood cohesion." American Journal of Community Psychology 16(6): 771-791. Computed as the mean reverse-coded response (rounded to 1-decimal point) to the origin variables. Higher values represent greater cohesion, ranging from 1"lowest cohesion" to 5"highest cohesion". Note

				that Understanding Society includes only one 1 of 3 items measuring attraction to the neighbourhood (SCOPNGBHF), 3 out of 6 items measuring neighbouring (SCOPNGBHD SCOPNGBHC SCOPNGBHH) and 4 out of 9 items measuring psychological sense of community (SCOPNGBHG SCOPNGBHA SCOPNGBHB SCOPNGBHE). To assure a good representation of all three domains in the summary score, the derived variable is set to -9 "missing" if there was item non-response for more than half the input variables in any of the three domains. Cronbach's Alpha is reported in the variable label. Decent coverage here, and seems like a really good piece of the neighbourhood quality puzzle. By the sounds of that description it is a combination of a number of variables on neighbourhood attraction, 'neighbouring', and community. Duplicate from previous.

Fuel Consumption

Variable	Label	Datafile	Waves	Notes
fuelhave1	Electricity	hhresp	All	Do you use electricity in the household at all?
fuelhave2	Gas including Calor Gas	hhresp	All	Do you use gas (including bottles and not mains supply) in your home?
fuelhave3	Oil	hhresp	All	Do you use fuel oil? I think this covers all petroleum products and hence vehicle fuel use but its hard to be sure.
fuelhave4	Other fuel, including solid fuel	hhresp	All	Do you use any other fuels such as solid fuel?
fuelhave96	Or none of these?	hhresp	All	Or none of the above (electric, gas, oil, other)
fuelduel	Separate or	hhresp	All	Are energy and gas bills combined or

	combined gas and electricity bill			separate?
xpelecy	Amount spent on electricity	hhresp	All	YEARLY expenditure for electricity in £s. There are weekly and monthly variables with much worse coverage.
xpgasy	Amount spend on gas	hhresp	All	YEARLY expenditure for gas in £s. There are weekly and monthly variables with much worse coverage.
xpduely	Amount spent on gas and electricity combined.	hhresp	All	YEARLY expenditure on gas and electricity combined in £s. No extra variables here.
xpoily	Amount spend on fuel oil in the last year	hhresp	All	YEARLY expenditure on fuel oil in £s. There are monthly variables with worse coverage.
xpsfly	Amount spend on other fuel	hhresp	All	YEARLY expenditure on other fuels in £s. No other variables on this.
elecpay	Method of payment for electricity	hhresp	3-12	Method of payment for electricity. Methods including direct debit and prepayment meters.
gaspay	Method of payment for gas	hhresp	3-12	Method of payment for gas. Methods including direct debit and prepayment meters.
duelpay	Method of payment for gas and electricity combined.	hhresp	3-12	Method of payment for gas AND electricity bill. Methods including direct debit and prepayment meters.
solar1	Install solar panels for electricity	hhresp	1, 4, 10	Variable for owned houses with solar panels. Niche but may be interesting for energy policies. See solar2 and solar3 as well.
ncars	Number of cars/vans owned by the household	Hhresp, indresp	All	Variable for number of cars or vans owned by the household. There are a LOT of car based variables but not on fuel expenditure as far as I can tell.
caruse	Has use of a car or van.	indresp	All	According to the surveyor does this household have any cars? Seems like a stupid variable to be honest.
trcarfq	Frequency of travel by car	indresp	4,6,8,10,12	How often do you use a car? There are sister variables for other modes of transport such as bikes/trains.
twkdiff3	Mc cost of petrol	indresp	2,4,6,8,1	Does petrol being too expensive inhibit

Variable	Label	Datafile	Waves	Notes
			0	travelling to work by car/motorbike? A lot of sister variables for different reasons for difficulty commuting.
carfuel1	Type of fuel first car uses	hhresp	4,7,8,10	What type of fuel does the first listed car in the household use?
carbuy5	mc environmentally friendly/low co2 emissions	indresp	4, 6, 8, 10	Is environmentally friendly/low co2 emissions important when buying a car/van? Only asked to households with cars and individuals who would buy the car (I.E. not children/ non-drivers?). Lots of sister variables for desired car type but most not relevant.
heatch	household has central heating	hhsresp	All	Does household have central heating? Very good coverage.
hheat	keep accommodation warm enough	hhresp	1, 2, 4, 6, 8, 9, 10, 11, 12	Is your household subjectively heated enough in the winter? Binary 0/1 variable. Dont know why there are 'does not apply' values. People who migrate for the winter?

Previous Wave Variables

Variable	Label	Datafile	Waves	Notes
TEMPLATE NO EDIT				

Variable	Label	Datafile	Waves	Notes
TEMPLATE NO EDIT				