#### Weight variables for analyses using household grid or household interview

Analysis level	Wave(s) / Years representing	Wave starts from	Data source	Analysis Weight
Household	1		Household grid and/or household interview	a_hhdenus_xw
Household	N	2	Household grid and/or household interview (BHPS, GPS and EMB)	n_hhdenub_xw
Individual	1		Household grid and/or household interview	a_psnenus_xw
Individual	N	2-5	Household grid and/or household interview (BHPS, GPS and EMB)	n_psnenub_xw
Individual	N	6-13	Household grid and/or household interview (BHPS, GPS, EMBS and IEMBS)	n_psnenui_xw
Individual	N	14	Household grid and/or household interview (BHPS, GPS, EMBS, IEMBS and GPS2)	n_psneng2_xw
Individual	1+	2	Household grid and/or household interview (GPS and EMB)	n_psnenus_lw
Individual	1991+	2	Household grid and/or household interview (BHPS, GB 1991)	n_psnen91_lw
Individual	2001+	2	Household grid and/or household interview (BHPS, UK 2001)	n_psnen01_lw
Individual	2+	3	Household grid and/or household interview (BHPS, GPS and EMBS since 2010- 2011)	n_psnenub_lw
Individual	6+	7	Household grid and/or household interview (BHPS, GPS, EMBS and IEMB since 2014-2015)	n_psnenui_lw

Note: Data users should be aware of a change in the definition of the cross-sectional population represented by the Study at Wave 6. From Wave 6, the sample is representative of people who have lived continuously in the UK since 2014-15, i.e., recent immigrants are now included. We suggest that all cross-sectional analysis uses the weight  $n_p$  psnenui\_lw which incorporates these new immigrants. At Waves 1 to 5, the sample is representative of people who have lived continuously in the UK since 2009-10. For special situations when a user wants to represent this population cross-sectionally in later waves the weight  $n_p$  psnenub\_xw should be used.

# Weights for analysis using adult main and proxy interviews

Wave(s) / Years representing	Wave starts from	Data source	Analysis Weight
1		Adult main and proxy interview	a_indpxus_xw
2		Adult main and proxy interview	b_indpxus_xw
2		Adult main and proxy interview (BHPS)	b_indpxbh_xw
N	2 - 5	Adult main and proxy interview (BHPS, GPS and EMBS)	n_indpxub_xw
N	6-13	Adult main and proxy interview (BHPS, GPS, EMBS and IEMBS)	n_indpxui_xw
N	14	Adult main and proxy interview (BHPS, GPS, EMBS, IEMBS and GPS2)	n_indpxg2_xw
1+	2	Adult main and proxy interview	n_indpxus_lw
2+	3	Adult main and proxy interview (BHPS, GPS and EMBS since 2010-2011)	n_indpxub_lw
6+	7	Adult main and proxy interview (BHPS, GPS, EMBS and IEMBS since 2014- 2015)	n_indpxui_lw

## Weights for analysis using adult main interviews

Wave(s) / Years representing	Wave starts from	Data source	Analysis Weight
1		Adult main interview	a_indinus_xw
2		Adult main interview	b_indinus_xw
2		Adult main interview (BHPS)	b_indinbh_xw
n	2 – 5	Adult main interview (BHPS, GPS and EMBS)	<i>n</i> _indinub_xw
n	6-13	Adult main interview (BHPS, GPS, EMBS and IEMBS)	<i>n</i> _indinui_xw
n	6-14	Adult main interview (BHPS, GPS, EMBS, IEMBS and GPS2)	n_inding2_xw
1+	2	Adult main interview	<i>n</i> _indinus_lw
1991+	2	Adult main interview (BHPS, GB)	<i>n</i> _indin91_lw
2001+	2	Adult main interview (BHPS, UK)	<i>n</i> _indin01_lw
2+	3	Adult main interview (BHPS, GPS and EMBS since 2010-2011)	<i>n</i> _indinub_lw
6+	7	Adult main interview (BHPS, GPS, EMBS and IEMBS since 2014-2015)	<i>n</i> _indinui_lw

### Weights for analysis using adult "Extra 5 minutes" interview

Wave(s) / Years representing	Wave starts from	Data source	Analysis Weight
1		Adult "Extra 5 minutes" interview	a_ind5mus_xw
n	3	Adult "Extra 5 minutes" interview	<i>n</i> _ind5mus_xw
1+	2	Adult "Extra 5 minutes" interview	<i>n</i> _ind5mus_lw

### Weights for analysis using adult self-completion

Wave(s) / Years representing	Wave starts from	Data source	Analysis Weight
1		Adult self-completion	a_indscus_xw
2		Adult self-completion	b_indscus_xw
2		Adult self-completion (BHPS)	b_indscbh_xw
n	2 - 5	Adult self-completion (BHPS, GPS and EMBS)	<i>n</i> _indscub_xw
n	6-13	Adult self-completion (BHPS, GPS, EMBS and IEMBS)	<i>n</i> _indscui_xw
n	14	Adult self-completion (BHPS, GPS, EMBS, IEMBS and GPS2)	n_indscg2_xw
1+	2	Adult self-completion	n_indscus_lw
2+	3	Adult self-completion (BHPS, GPS and EMBS)	<i>n</i> _indscub_lw
6+	7	Adult self-completion (BHPS, GPS, EMBS and IEMBS)	<i>n</i> _indscui_lw

Note: A cross-sectional weight for the self-completion component was discontinued after Wave 5 as levels of nonresponse to this component are low. This can be treated in the same way as item nonresponse and the relevant individual interview cross-sectional weight can be used when analysing data from the self-completion component.

#### Weights for analysis using youth self-completion

Wave(s) / Years representing	Wave starts from	Data source	Analysis Weight
1		Youth self-completion	a_ythscus_xw
2		Youth self-completion	b_ythscus_xw
2		Youth self-completion (BHPS)	b_ythscbh_xw
n	3	Youth self-completion (BHPS, GPS and EMB)	<i>n</i> _ythscub_xw
n	6-13	Youth self-completion (BHPS, GPS, EMB and IEMBS)	<i>n</i> _ythscui_xw
n	14	Youth self-completion (BHPS, GPS, EMB, IEMBS and GPS2)	n_ythscg2_xw

### Weights for analysis using nurse health assessment data

Wave(s) / Years representing	Wave starts from	Data source	Analysis Weight
2+	3	Nurse visit with Wave 2 to Wave <i>n</i> full interviews (GPS, BHPS)	<i>n</i> _indnsub_lw
2+	3	Nurse visit with Wave 2 to Wave <i>n</i> full interviews and consent to blood sample at Wave 2 (GPS, BHPS)	<i>n</i> _indbdub_lw
1991+	3	Nurse visit with 1991 to Wave <i>n</i> full interviews (BHPS)	<i>n</i> _indns91_lw
1991+	3	Nurse visit with 1991 to Wave <i>n</i> full interviews and consent to blood sample at Wave 2 (BHPS)	<i>n</i> _indbd91_lw

Note: Other weights for use with the health assessment data that were collected at Waves 2 and 3 are available with the separate <u>health assessment data SN 7251</u>, and are fully documented in the associated <u>Nurse Health Assessment user guide</u>. These four weights are documented here as they will be released with the main data release each year.

# Design and inclusion weights

Analysis level	Wave(s) / Years representing	Wave starts from	Data source	Analysis Weight*
Household			(Wave 1 household design weight)	a_hhdenus_xd
Household			(Wave 1 household design weight for GPS only)	a_hhdengp_xd
Household			(Wave 14 household design weight for GPS2 only)	n_hhdeng2_xd
Household			GPS2 only household issue weight	n_hhdeng2_lx
Individual			(Design weight)	a_psnenus_xd
Individual			(Design weight GPS only)	a_psnengp_xd
Individual			("Extra 5 minutes" design weight)	a_ind5mus_xd
Individual			(GPS design weight)	psnengp_xd
Individual			(GPS+EMB design weight)	psnenus_xd
Individual			(GPS+EMB+BHPS design weight)	psnenub_xd
Individual			(GPS2 design weight)	n_psneng2_xd
Individual			BHPS inclusion weight for OSMs issued into UKHLS	b_psnenbh_li
Individual			BHPS-2010 longitudinal enumerated person weight	b_psnenbh_lw
Individual			BHPS, GPS and EMBS combination inclusion weight	b_psnenub_li
Individual			BHPS, GPS, EMBS and IEMBS combination inclusion weight	f_psnenui_li
Individual			GPS2 only issue weight	n_psneng2_lx
Notes: *Typic	cally for advanced	users (see	technical details).	