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Online Supplementary Appendix:

Details of Indoor and Outdoor Gamma-ray Dose-rates**Introduction**

Doses incurred in the home from gamma-rays and from the directly ionising component of cosmic-rays contribute a major fraction of the radiation dose to most tissues/organs of the average citizen in Great Britain (Watson et al., 2005) (Kendall et al., 2006). UNSCEAR (UNSCEAR, 2008) remarks that there are generally few data based on direct measurements of these indoor gamma-ray doses. The UK is an exception with the availability of detailed data based on a National Survey of natural background radiation conducted in the 1980s by the then National Radiological Protection Board (Wrixon et al., 1988). This Appendix updates the data of the National Survey (Wrixon et al., 1988) on indoor gamma-ray dose-rates, using an expanded measurement data set (10,199 measurements rather than the 2,283 measurements of the National Survey). In particular we present updated mean indoor gamma-ray dose-rates for the 459 County Districts (or equivalent administrative areas) in Great Britain. These provide a convenient and reasonably accurate way of estimating indoor gamma-ray exposure of those living in different areas in the absence of access to the detailed set of measurements. As well as indoor gamma-ray dose-rates we briefly discuss some aspects of the outdoor gamma-ray dose-rates.

Scope of the gamma-ray data – Great Britain and the United Kingdom

The National Survey of naturally occurring radiation exposures in UK Dwellings (Wrixon et al., 1988) covered the whole United Kingdom, i.e., England, Wales, Scotland and Northern Ireland. The study of gamma-radiation levels (Green et al., 1989) covered Great Britain, i.e., England, Wales and Scotland. Despite its title, the UKCCS was also restricted to Great Britain. The data available for Northern Ireland are thus more restricted than those for other parts of the UK. We do not have access to the individual measurements of outdoor gamma-ray dose-rates and our comparisons are therefore more limited than is the case for the indoor dose-rates.

Table 1 compares indoor gamma-ray dose-rates in Northern Ireland with those in the rest of the UK and Table 2 does the same for outdoor dose-rates. Clearly there are many fewer indoor measurements in Northern Ireland than in Great Britain, even when the relative populations are taken into account. However, the mean dose, standard deviation and ranges are similar and the overall picture for Great Britain can be taken to apply also to the whole United Kingdom. The picture is somewhat different for outdoor dose-rates and it seems very likely that mean dose-rate is lower by perhaps one third in the Province. Nevertheless, when the relative populations are taken into account the contribution from Northern Ireland is again unlikely to make the overall pattern of exposure for the United Kingdom differ from that for Great Britain.

Gamma-ray measurement data

As detailed in the main text, the indoor gamma-ray measurements used here were from two sources

The UK National Survey of natural background radiation (Wrixon et al., 1988)

The UK Childhood Cancer Study (UKCCS) (UK Childhood Cancer Study Investigators, 2000, UK Childhood Cancer Study Investigators, 2002b)

The measurement techniques used for the NRPB National Survey and the UKCCS were a little different. However, both used lithium fluoride thermoluminescent detectors, which respond to all types of penetrating ionising radiation including terrestrial gamma-rays and ionising secondary particles from cosmic-rays.

The National Survey used environmental dosimeters consisting of a plastic phial containing three hot-pressed lithium fluoride thermoluminescent chips, each sealed in a PTFE sphere of wall thickness 5 mm (Driscoll et al., 1983) (Wrixon et al., 1988). One of the chips was used to assess fading, the other two to assess the doses incurred. Doses incurred during transit were assessed on separate dosimeters. These dosimeters were compared with others in an international standardisation exercise for environmental dosimeters. Agreement between the results of the NRPB dosimeters and the mean of all the dosimeters at each environmental site was generally better than 5% (Driscoll et al., 1983) (Wrixon et al., 1988). The overall measurement uncertainty of the NRPB dosimeters was given as about 10% (Wrixon et al., 1988). The increase in the quoted uncertainty was to take account of variations in the angular and energy response of the dosimeters.

The system used for passive environmental photon monitoring in the UKCCS consisted of a modification of the standard NRPB body TLD used for personal photon monitoring at the time (UK Childhood Cancer Study Investigators, 2000). The standard NRPB dosimeter has two detector elements consisting of lithium fluoride in PTFE (Dennis et al., 1977) (Dennis et al., 1974). These detector elements are held in a coded aluminium plate and are designed for automated read-out. The plate is held in a heat-sealed plastic wrapper which is contained in a holder. One of the TLD elements is under an open window in the holder, the other under a 700 mg/cm² filter. The former measures dose at shallow depth in the body. The modification to the standard dosimeter for use in the UKCCS consisted in a 0.5 mm plastic sheet in front of the dosimeter element, which normally measures dose at a shallow depth. This was primarily as an anti-tamper measure, though it will also have had a very small effect on the filtration. The threshold of detection of these dosimeters was 0.1 mSv and the accuracy of the dosimeters was given as $\pm 20\%$ for photons in the range 9.9 keV to 2 MeV (Shaw and Wall, 1977). The precision of dose estimation at a given energy was given as about 3% (standard deviation) (Dennis et al., 1977). Again, the increase in overall uncertainty from this quoted precision is probably due to variations in the angular and energy response of the dosimeters.

Transit monitors were used for the UKCCS measurements and a standard correction was made for storage doses. The fading characteristics of the NRPB body TLD dosimeters were well characterised and a correction was automatically applied during the readout process. The UKCCS investigators noted that the mean dose from their results was very close to the mean of the National Survey (UK Childhood Cancer Study Investigators, 2002b). The range of the two sets of measurements are also similar (see main text and Kendall et al, 2006 (Kendall et al., 2006))

Measurements for both the National Survey and the UKCCS were conducted by post using two TLD dosimeters, which were placed in the main living room and in the main bedroom. Measurements were made over a notional six months. After the exclusion of measurements

which did not meet the criteria required, there were 2283 and 7916 measurements from the National Survey and the UKCCS respectively, a total of 10,199 measurements.

The distributions of gamma-ray dose-rates (including the directly ionising component of cosmic rays) from the data of the UKCCS are consistent with those of the National Survey and the combined dataset confirms that the distribution of indoor gamma-ray dose-rates (including the directly ionising component of cosmic rays) is approximately normal with a mean of about 96 nGy/h and with a standard deviation about one quarter of the mean. The extra data thus broadly confirm the population gamma-ray dose estimates cited by Watson et al (Watson et al., 2005).

The previously published values of the mean absorbed dose-rate from terrestrial gamma-rays indoors and outdoors are respectively 60 nGy/h (Wrixon et al., 1988) and 34 nGy/h (Green et al., 1989). The mean dose-rate from directly ionising cosmic-rays was measured as 34 nGy/h using TLDs in a sealed container in a buoy on a large reservoir (Wrixon et al., 1988). This measurement was subsequently taken as an estimate of the cosmic-ray dose within buildings. The implication is that the dosimeter enclosure provided shielding equivalent to a roof.

The mean outdoor dose-rate from directly ionising cosmic-rays was not measured. The outdoor gamma-ray dose-rates were made with active instruments and a correction was applied which combined the contribution from cosmic-rays and the tube-specific intrinsic background. We have estimated the outdoor cosmic-ray dose using the UNSCEAR guidance that the indoor cosmic-ray dose-rate is 80% of that outdoors (UNSCEAR, 2002). The outdoor dose-rate would thus be 43 nGy/h and our estimate for the outdoor dose-rate from gamma-rays and directly ionising cosmic-rays is 77 nGy/h.

For most of this paper, and for epidemiological studies, it is not necessary to separate the contributions of dose from terrestrial gamma-rays and from cosmic-rays. However, UNSCEAR separate the two. So did the UK National Survey and the periodic reviews of the radiation exposure of the UK population. For these purposes it is assumed that the cosmic-ray dose-rate is a constant across the UK. Strictly speaking, cosmic-ray dose rates vary with altitude and latitude. However, the assumption of a constant cosmic ray dose rate may be a reasonable approximation for outdoor doses, where shielding is provided only by the atmosphere, but it will be generally less correct for indoor doses since different types of dwelling provide rather different degrees of shielding.

Ranges of dose

Indoor dose-rates

We find very similar maxima from the National Survey and from the UKCCS of 271-278 nGy/h including cosmic-rays or around 240 nGy/h excluding them. However, the measured minimum dose-rate of 25 nGy/h from gamma-rays and cosmic-rays must be interpreted with caution. As discussed above, in some dwellings, notably the lowest floors of large blocks of flats, the cosmic-rays may be shielded much more effectively than in houses generally, and the general estimate of a cosmic-ray dose-rate of 34 nGy/h will not apply. Wrixon et al estimated that the minimum indoor gamma-ray dose-rate (without the cosmic-ray component) is probably around 10 nGy/h, and we adopt this value.

Outdoor dose-rates

We do not have access to the individual measurements. However Figure 6 of Green et al gives a range of mean doses in grid squares of 10-90 nGy/h. The range of individual measurements might be somewhat larger, but this is probably a reasonable estimate.

Sample selection and response

The National Survey investigated a random sample of homes and thus provided population-based average values for the UK (Wrixon et al., 1988). A total of 4911 households were invited to take part and, after a series of invitation letters, 2517 (51%) agreed.

Measurements were completed in the homes of 2208 (88%) of those who agreed to participate. The investigators were well aware of the danger of biased response. They examined in detail the geographical variation in those agreeing to participate (where the most substantial losses occurred) at the level of country, i.e., England, Scotland, Wales and Northern Ireland. The overall positive acceptance rates were 51.5%, 50.4%, 49.8% and 47.1%, respectively. The investigators concluded that differences in response rate were unlikely to bias the overall survey results. No more detailed geographical analysis was presented. Given the investigators awareness of the dangers of differential response it is likely that any gross differences would have been detected and commented upon, but this cannot be certain. During their checks, the investigators detected a bias towards higher response rates from those living in semi-detached and detached houses; this was almost certainly an effect of SES. It had implications for the radon arm of the National Survey, where a correction was made to allow for it. Gamma-ray dose-rates show very little variation with SES (see also the figure in the main text).

For the United Kingdom Childhood Cancer Study (UKCCS)(UK Childhood Cancer Study Investigators, 2000, UK Childhood Cancer Study Investigators, 2002a, UK Childhood Cancer Study Investigators, 2002b) a total of 11,987 controls were selected. The parents of 87% of cases and of 64% of controls agreed to be interviewed; smaller proportions of cases and controls were lost for other reasons. Controls categorised as socioeconomically deprived were less likely to participate than more affluent controls. The study population comprised 3838 cases and 7629 controls, and all UK addresses where the case or control child had lived for at least 6 months were targeted for radon and gamma-ray measurements. The current occupants of these dwellings were approached by post, with a series of follow-up letters if necessary. Radon measurements were completed at the address at diagnosis of 2226 (58% of 3838) interviewed cases and 3773 (49% of 7629) interviewed controls – measurements were completed in 44.5% of all control houses, but radon results are analysed in terms of concentration in the home at diagnosis. Gamma-ray measurements were completed at the address at diagnosis of 2165 (56% of 3838) interviewed cases and 5086 (67% of 7629) interviewed controls.

Both the National Survey and the UKCCS thus suffered very significant attrition of the study residences originally selected. It appears that this is unavoidable in such studies, but its implications must be considered. A random loss of participants will reduce the statistical precision of a survey, but is otherwise not serious. Bias is the more significant danger, and both the studies tested for and found a SES bias in the response rates; allowance for SES is generally made in epidemiological studies. The investigators understandably did not publish extensive tables showing the absence of bias in the many variables that might conceivably carry it. To some extent the fact that both sets of investigators were aware of the dangers,

tested for and found an SES effect, offers some justification for optimism that other serious biases were not present, but this is not certain.

Gamma-ray data for County Districts

The table (Online Resource 2) gives population data and indoor gamma-ray dose-rates for County Districts (CDs) or analogous administrative units in Great Britain. County Districts have on average 110,000 to 120,000 inhabitants. Only 10 CDs have fewer than 20,000 inhabitants and only 5 more than 500,000. One of the lowest populations is in the City of London, which is anomalous in a number of ways, being a small central area of Greater London concentrating on commerce. On average about 20% of the population in each CD are children (i.e. aged less than 15 years), with a range of 12-27%, excluding the City of London where relatively few children live.

The range of dose-rates is important in indicating the power of the data to detect an effect of natural background radiation. The present dataset allows much more reliable conclusions to be drawn than was possible with the 2283 measurements of the National Survey. On average there are 22 measurements per CD using the enhanced measurement dataset as compared to 5 measurements per CD using the National Survey. Table 3 shows that, using the enhanced measurement set, 11 CDs have fewer than 4 gamma-ray measurements (the City of London has none and we use the county average; there was only one measurement in each of Meirionnydd and Isles of Scilly). In contrast, using the National Survey data, 183 CDs have fewer than 4 measurements. At the other end of the range, using the enhanced dataset, 28 CDs have more than 50 measurements. The largest number of measurements, 142, was in Leeds. In the National Survey, the largest number of measurements was 35 in Birmingham.

The mean gamma-ray dose-rates for CDs range from 64 to 169 nGy/h. This last is based on a single measurement, the next highest being 151 nGy/h. The interquartile range is 84-103 nGy/h and 90% of the population live in CDs where the mean gamma-ray dose-rate is between 86 and 105 nGy/h.

A map of the CDs in Great Britain is shown in the main text as figure 3. It is coloured to indicate the mean dose-rates within each CD. This map also shows the geographical density of the measurement points.

Another map (Online Resource 5) shows the density of control records for the case-control study. It confirms the expectation that this shows the same pattern as the measurement density (Main text figure 3).

Mean radon concentrations in County Districts

This paper is concerned with gamma-ray exposures rather than radon. However, for completeness, Online Resource 2 also lists mean radon concentrations for CDs. These have been calculated by averaging the HPA/BGS estimates (Miles and Appleton, 2005) for radon concentrations for the places of birth of study subjects (see main text) falling within each CD. These estimates give a better picture of radon levels than do those based only on the measurements of the UK National Survey.

Gamma-ray doses in Counties

Table 4 lists indoor gamma-ray dose data for English Counties and equivalent administrative divisions in Wales and Scotland. There are 65 Counties, each containing on average about seven CDs (range 3-19). The lowest mean indoor gamma-ray dose-rates tend to be in central southern England and the highest in Cornwall and parts of Yorkshire. However, the range in Great Britain is small.

Gamma-ray dose distributions in 10 km squares of the British National Grid

The main results of the survey of outdoor gamma-ray doses in Great Britain (Green et al., 1989) was the double smoothed and infilled mean values of dose-rates in 10 km squares of the British National Grid (Ordnance Survey, 2010). As noted in the main text, values for some coastal squares and for islands have been estimated for the present work. This augmented map is shown in Online Resource 3. Those squares containing places of birth of study subjects for the case-control study (see main text) have been indicated by a dot in the square.

For comparison, maps of mean indoor gamma-ray dose-rates in 10 km squares based on the data of the National Survey and of the full dataset of 10,199 measurements are shown in figures Online Resource 6 and 8 respectively. These maps show simple mean dose-rates without any smoothing or infilling. As with the map of outdoor dose-rates, the places of birth of study subjects are indicated.

A table giving the mean indoor gamma-ray dose-rates for 10 km squares is in Online Resource 9. Data are for Great Britain and based on all 10,199 measurements in the enhanced dataset. As with the map Online Resource 8, simple arithmetic means are given for the 1393 grid squares with one or more measurement. The number of measurements per square varies from 1 to 80. There has been no data infilling or smoothing.

Neither mean indoor nor mean outdoor gamma-ray dose-rates offer particularly good predictions of the dose-rate at an unmeasured point. The former is rather more successful and it is interesting to note that the effect of the smoothing is manifest in the latter (Online Resource 3). Nevertheless, as with CDs, the full dataset allows much better predictions of mean indoor gamma-ray dose-rates in 10 km squares than do the National Survey data. The birth address for 96.6% of the study population falls in a square for which at least one measurement is available in the full dataset as opposed to 88.2% for the National Survey data. Fewer than 20% of the study population were born in squares where there are fewer than 6 measurements in the full dataset compared to almost 60% for the National Survey data.

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Table 1: Population and Indoor gamma-ray dose-rate statistics for England, Scotland, Wales and Northern Ireland. Populations are for 1981 and are in thousands. Doses are in nGy/h.

	Population	Measurements	Mean	SD	Min	Max
England	46,821	8558	95.3	22.9	25	278
Wales	2,814	407	92.2	24.1	32	199
Scotland	5,180	1234	98.7	20.0	44	193
Great Britain	54,815	10199	95.6	22.7	25	278
Northern Ireland	1,543	50	90.9	24.1	42	152

Table 2: Parameters of the distribution of Outdoor gamma-ray dose-rates in Great Britain (GB) compared with those for Northern Ireland (NI). Dose rates in nGy/h.

	GB ¹	NI ²
Number of Measurements	2398	165
Arithmetic Mean	34	22.7
Geometric Mean	33	17.3
Geometric Standard Dev.	1.3	2.7
95% Fractile	49	43
99% Fractile	60	48

¹ Data for GB from (Green et al., 1989)

² Data for NI from (Caulfield and Ledgerwood, 1989) and from Green, BMR, Personal communication

Table 3: Frequency of numbers of indoor gamma-ray measurements per county district in the National Survey and in the full dataset

Freq	National Survey (n=2283)	Full Dataset (n=10,199)
0	19	1
1	42	2
2	62	4
3	60	4
4	73	7
5	53	4
6	41	11
7	31	9
8	20	14
9	9	12
10	16	23
11	4	19
12	10	23
13	0	19
14	6	15
15	1	16
16	2	20
17	4	17
18	1	23
19	1	15
20	0	15
>20	4	201

Table 4 Indoor gamma-ray dose rate statistics for Counties

County Code	County Name	Number of Measurements	Dose-rate (nGy/h)			
			Mean	SD	Min	Max
20	Dorset	140	69.6	24.4	34.3	270.5
47	Wiltshire	127	73.0	21.2	32.5	129.3
29	Isle of Wight	30	78.4	16.2	43.1	111.6
41	Somerset	128	79.2	22.9	37.6	160.2
25	Hampshire	397	79.4	19.7	32.7	203.9
24	Gloucestershire	104	80.4	20.5	35.5	133.2
46	West Sussex	104	81.2	19.5	32.4	119.8
39	Oxfordshire	143	81.9	19.9	25.5	124.4
11	Berkshire	172	82.4	16.8	38.4	152.8
23	Essex	257	82.8	15.7	39.9	137.4
30	Kent	233	82.9	18.2	40.8	191.2
43	Suffolk	115	83.1	14.6	39.4	119.2
44	Surrey	132	83.2	16.6	37.2	122.9
65	Orkney Shetland and Western Isles	25	84.0	26.6	44.0	167.7
1	Inner London	201	84.2	19.3	25.3	131.2
34	Norfolk	95	84.4	19.0	46.1	145.2
12	Buckinghamshire	172	84.5	15.9	42.8	133.2
49	Dyfed	49	85.1	24.8	31.9	165.4
52	Mid-Glamorgan	77	85.4	22.0	43.1	136.8
53	Powys	15	85.9	22.9	38.7	127.5
22	East Sussex	93	86.6	21.2	48.7	156.7
27	Hertfordshire	225	87.9	17.8	35.0	183.2
2	Outer London	572	88.0	16.6	25.8	130.1
9	Avon	174	89.2	29.5	40.9	162.8
13	Cambridgeshire	107	90.9	20.7	36.0	145.8
50	Gwent	58	91.1	26.8	49.6	164.9
61	Highland	73	91.9	17.3	62.2	139.6
55	West Glamorgan	47	93.2	21.8	48.1	144.3
19	Devon	194	94.4	27.7	39.7	192.2
10	Bedfordshire	96	95.2	15.2	46.7	132.6
51	Gwynedd	25	95.8	30.2	46.4	199.3
60	Grampian	116	96.3	22.9	54.4	186.7
35	Northamptonshire	122	97.1	18.1	51.9	148.0
64	Tayside	75	97.4	20.5	62.0	165.6
14	Cheshire	189	97.7	17.3	51.8	193.0
17	Cumbria	78	97.7	21.5	49.6	157.4
54	South Glamorgan	53	98.1	27.1	41.5	153.5
59	Fife	87	98.2	20.9	58.8	151.8
58	Dumfries and Galloway	28	98.3	23.5	60.1	157.6

48	Clwyd	83	99.0	18.1	67.5	145.3
4	Merseyside	262	99.2	16.2	45.0	156.0
26	Hereford and Worcester	107	99.5	20.2	58.9	160.5
63	Strathclyde	549	99.8	18.9	55.5	193.4
56	Borders	34	99.9	19.0	52.6	138.7
31	Lancashire	264	100.2	19.0	54.1	160.2
40	Shropshire	71	100.2	18.1	64.3	151.7
57	Central	56	100.7	19.9	53.4	141.4
33	Lincolnshire	102	100.8	17.7	59.9	170.2
42	Staffordshire	160	100.9	18.1	51.5	145.2
62	Lothian	191	101.4	19.1	52.8	165.6
28	Humberside	175	102.6	17.7	47.2	166.7
45	Warwickshire	70	102.6	15.6	55.1	150.5
3	Greater Manchester	495	103.2	18.2	52.0	169.0
37	North Yorkshire	143	104.1	20.1	60.3	169.2
21	Durham	116	106.1	19.5	63.0	154.4
38	Nottinghamshire	201	106.2	20.1	51.7	165.4
32	Leicestershire	173	106.8	18.6	51.6	161.7
7	West Midlands	332	107.9	19.2	52.4	171.5
18	Derbyshire	195	107.9	20.3	62.0	202.9
36	Northumberland	62	108.1	22.2	60.5	156.9
15	Cleveland	176	109.3	18.8	52.5	159.4
6	Tyne and Wear	272	110.7	19.3	58.5	168.7
8	West Yorkshire	451	111.6	22.3	38.7	177.6
5	South Yorkshire	237	111.7	20.9	31.6	176.1
16	Cornwall & the Isles of Scilly	94	115.9	36.3	35.7	277.6
	Total	10199	95.6	22.7	25.3	277.6

Populations and indoor gamma ray dose rates for County Districts in England Scotland and Wales											
		Population (1981 Census)			Gamma-ray dose rate (nGy per hour)				Radon (Bq per m3)		
CD code	CD name	All Ages	Ages 0-14	% Children	Number of measurements	Mean	SD	Min	Max	Mean	SD
01AA	CITY OF LONDON	4701	309	6.6	0	84.2				6.4	2.2
01AB	CAMDEN	161098	21418	13.3	15	94.1	17.8	66.4	123.1	6.5	1.7
01AC	HACKNEY	179529	37062	20.6	11	74.8	14.7	47.1	98	9.1	6
01AD	HAMMERSMITH AND FULHAM	144616	21836	15.1	16	85.3	16.7	52.8	112.3	8.6	1.5
01AE	HARINGEY	202650	37071	18.3	18	91.5	18.2	56.4	131.2	11.9	1.7
01AF	ISLINGTON	157522	27066	17.2	12	80.8	18	58.2	119.5	7.4	1.9
01AG	KENSINGTON AND CHELSEA	125892	15572	12.4	11	71.3	18	37.1	95.3	7	1.3
01AH	LAMBETH	244143	43705	17.9	20	85.2	16.5	51.4	116.3	6.9	2.4
01AJ	LEWISHAM	230488	42418	18.4	19	85.5	21.9	37.8	113.5	12.2	7.7
01AK	NEWHAM	209128	44851	21.4	14	87.6	20	65.3	122.5	12.9	4.6
01AL	SOUTHWARK	209735	37940	18.1	12	67.6	16.3	40.8	89.9	13.7	11.1
01AM	TOWER HAMLETS	139996	27099	19.4	10	86	26.6	25.3	117.6	9	8.2
01AN	WANDSWORTH	252240	44116	17.5	30	83.7	18.9	49.9	131.1	8.7	1.9
01AP	WESTMINSTER,CITY OF	163892	19193	11.7	13	91.5	16.2	68.4	115.7	6.6	1.6
02AQ	BARKING AND DAGENHAM	148979	29089	19.5	13	87.6	11.8	57.6	108.6	11.8	1.7
02AR	BARNET	290197	52850	18.2	45	88.4	18.4	46.3	116.6	8.7	2.3
02AS	BEXLEY	214355	43604	20.3	24	85	14.9	54.6	110.6	20	6.8
02AT	BRENT	251238	47391	18.9	25	87.9	14.7	61.3	113.7	8.1	1.2
02AU	BROMLEY	294526	55412	18.8	43	84.1	16.5	44.3	116.2	18.3	10.3
02AW	CROYDON	316306	62222	19.7	44	90.4	12.7	58.3	112.6	19	11.2
02AX	EALING	278677	53546	19.2	25	89	18.4	45	130.1	11.4	2.7
02AY	ENFIELD	257154	49444	19.2	42	92.5	19.1	43.8	123.6	10.9	2.8
02AZ	GREENWICH	209873	42800	20.4	21	81.5	18.2	46.1	113	19	9.2
02BA	HARROW	196159	37819	19.3	26	87.4	20	35.7	123.9	7.5	3.7
02BB	HAVERING	239788	48572	20.3	31	90.8	12.5	63.8	114	11.9	0.7
02BC	HILLINGDON	226263	43845	19.4	63	87	14.4	50.6	125.5	13.9	4.7
02BD	HOUNSLOW	198938	38340	19.3	20	83.9	19.5	40.5	114.7	13.8	3
02BE	KINGSTON UPON THAMES	131236	23628	18	24	86.2	16.4	61.9	115.8	10.3	2.8
02BF	MERTON	165102	29296	17.7	21	83	21.3	25.8	111.9	8.7	1.7
02BG	REDBRIDGE	224731	41662	18.5	31	89.5	13.5	44.2	114.9	11.8	2.2
02BH	RICHMOND UPON THAMES	157304	25646	16.3	25	88.3	15.2	65.3	121.8	12.4	2.2
02BJ	SUTTON	167547	31420	18.8	27	93.2	19	40.6	119.8	18.7	12.5
02BK	WALTHAM FOREST	214595	42910	20	22	91.6	18.3	37.6	119.4	10.8	2.9
03BL	BOLTON	260228	57453	22.1	50	107	21.1	64.3	156.4	13.3	17.5
03BM	BURY	175452	37705	21.5	19	104.1	19.4	75.2	151.8	17.4	16.8
03BN	MANCHESTER	437663	87350	20	73	104.9	17.7	58.5	138.6	10.6	6.4
03BP	OLDHAM	219461	48544	22.1	55	104.7	20.4	53.6	166.2	15.3	13.9
03BQ	ROCHDALE	206331	47159	22.9	43	104.4	19.1	69.6	146.4	9.7	6.6
03BR	SALFORD	241522	49251	20.4	39	99.7	16.1	56.3	132.4	12.9	12.7
03BS	STOCKPORT	288982	60454	20.9	71	103.1	16.3	52	140.8	14.8	9.3
03BT	TAMESIDE	217043	45896	21.1	38	101.6	15.1	75.4	146	15.8	10.4
03BU	TRAFFORD	221002	45310	20.5	44	96.1	15.5	56.7	133	6.4	3.3
03BW	WIGAN	307723	69415	22.6	63	104.3	19.5	68.3	169	13	10.1
04BX	KNOWSLEY	172991	41419	23.9	37	104.3	16.4	45	127.3	8.6	8.1
04BY	LIVERPOOL	503722	100266	19.9	69	102.2	15	71.4	143.3	6.9	3.4
04BZ	ST HELENS	189251	42419	22.4	33	100.6	22.3	59.3	156	13.8	13.2
04CA	SEFTON	298204	61230	20.5	56	93.8	16.3	63.3	152.2	5.3	2.6
04CB	WIRRAL	338952	70917	20.9	67	97	11.9	61.2	124.7	9.5	3.6
05CC	BARNSLEY	223903	48170	21.5	42	112.4	22.7	56.3	153.9	32.1	10.2
05CE	DONCASTER	286924	62223	21.7	48	110.1	21.9	54.7	170.2	23.4	14.5
05CF	ROTHERHAM	250359	56504	22.6	40	117.9	18	78.4	165.4	29.2	9.2
05CG	SHEFFIELD	530843	102048	19.2	107	109.8	20.6	31.6	176.1	29.8	15.5
06CH	GATESHEAD	210934	42025	19.9	50	109.1	18.6	73.6	153.8	12.8	7.9
06CJ	NEWCASTLE UPON TYNE	272914	50822	18.6	56	111.6	19.4	76	168.7	10.3	6.5
06CK	NORTH TYNESIDE	197441	38509	19.5	54	110.3	16.6	65.2	141.8	8.2	4.2
06CL	SOUTH TYNESIDE	160101	31432	19.6	47	112.9	20.1	75.2	151.6	13.5	9.2
06CM	SUNDERLAND	294102	65266	22.2	65	110	21.5	58.5	162	18.1	7.7
07CN	BIRMINGHAM	996369	212722	21.3	126	108	19.6	52.4	169	13.7	4.7
07CQ	COVENTRY	310216	66417	21.4	34	108.8	20	74.8	171.5	19.5	9.2
07CR	DUDLEY	298524	62620	21	55	104.6	16.3	59.2	142.1	21.2	12.9
07CS	SANDWELL	306993	65165	21.2	28	111.7	17.1	78	151.7	22.6	20.2
07CT	SOLIHULL	197933	44636	22.6	17	98.8	18.7	62.7	136.7	12.7	4.6
07CU	WALSALL	265922	59164	22.2	43	108.4	20	55.3	156.8	18.3	12.3
07CW	WOLVERHAMPTON	252462	55273	21.9	29	113.4	21	69	150.6	16.4	7.1
08CX	BRADFORD	454198	103862	22.9	112	109.1	21.7	61.3	173.4	20.2	14.5
08CY	CALDERDALE	190330	40551	21.3	40	116.9	28.2	53.7	177.5	25.5	9
08CZ	KIRKLEES	370579	82487	22.3	83	106.8	23.7	54.7	153.9	26.6	9.5
08DA	LEEDS	696714	142582	20.5	142	111.8	20.8	38.7	166.1	19.1	10.2
08DB	WAKEFIELD	309886	67136	21.7	74	117.8	19.3	75	177.6	30.7	16.8
09DC	BATH	77959	13162	16.9	11	95.5	25.6	47.5	140.2	51.7	29.3
09DD	BRISTOL	384875	72097	18.7	60	108.7	28.6	45.1	162.8	28.5	14.6
09DE	KINGSWOOD	84172	17669	21	10	91	31.3	47.4	139	24.8	17.6
09DF	NORTHAVON	117492	27415	23.3	36	81.9	24.2	43.9	133.7	36.3	17.1
09DG	WANSDYKE	76099	15614	20.5	17	69.3	22.6	40.9	115.1	77.9	64.3
09DH	WOODSPRING	160350	32235	20.1	40	72.9	20.4	41.7	123.2	29.9	26.8

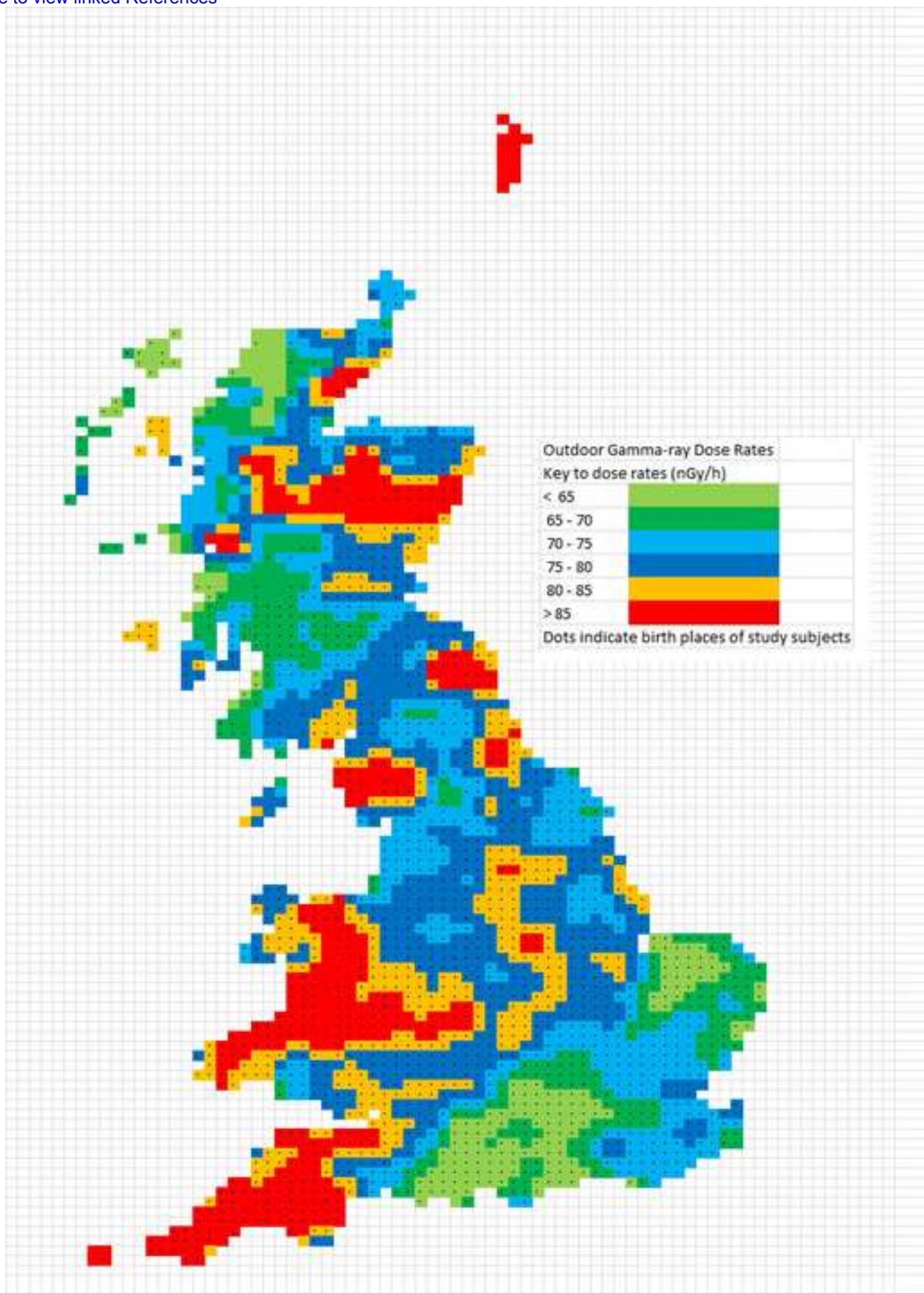
10DJ	LUTON	163209	37884	23.2	33	95.8	13.9	65	122.6	22.6	4.7
10DK	MID BEDFORDSHIRE	101564	23180	22.8	18	88	10.5	68	101.6	23.4	5.6
10DL	NORTH BEDFORDSHIRE	131275	29111	22.2	24	101.1	15.9	73.5	132.6	24	5.3
10DM	SOUTH BEDFORDSHIRE	106116	24734	23.3	21	93.8	17.6	46.7	126.7	23.2	6.1
11DN	BRACKNELL	81225	18799	23.1	26	80.9	16	47.2	110.2	14.8	5
11DP	NEWBURY	119740	27408	22.9	24	85.9	23.1	46.7	152.8	22.5	9.9
11DQ	READING	130891	26890	20.5	27	87.3	15.2	38.4	104.8	22.6	10.4
11DR	SLOUGH	96715	20568	21.3	15	86.2	13.1	54	110.8	15.3	3
11DS	WINDSOR AND MAIDENHEAD	129245	25731	19.9	25	78.9	14.8	45.6	101.8	29	12.8
11DT	WOKINGHAM	113043	26421	23.4	55	79.7	15.8	50.6	120.8	14.5	7.3
12DU	AYLESBURY VALE	130771	29173	22.3	48	83.6	14.4	42.8	105.4	26.9	10.5
12DW	CHILTERN	91837	19167	20.9	20	84.2	15.3	46.7	103.2	41.7	12.6
12DX	MILTON KEYNES	123296	33458	27.1	48	81.8	17	48.6	133.2	21.1	7.9
12DY	SOUTH BUCKS	61717	11991	19.4	13	87.1	16.8	49	113.9	17.6	6.3
12DZ	WYCOMBE	154600	35102	22.7	43	88	16.3	46.4	125.7	38.4	10
13EB	CAMBRIDGE	87194	15101	17.3	18	84.2	26	36	127.1	17	5.9
13EC	EAST CAMBRIDGESHIRE	53414	10659	20	4	91.5	21.4	74.8	124	23.9	8.8
13EE	FENLAND	67148	13547	20.2	13	100.5	23.9	56.1	135.1	21.9	4
13EF	HUNTINGDON	123121	29884	24.3	26	91.3	14.6	60.7	121.3	24.3	8.5
13EG	PETERBOROUGH	131697	30569	23.2	24	93.5	19.7	55.2	135.1	27.4	6.7
13EH	SOUTH CAMBRIDGESHIRE	107319	23783	22.2	22	87.4	20.5	52	145.8	22.4	7.7
14EJ	CHESTER	114045	23179	20.3	20	95.7	18.4	51.8	126.2	19.5	4.6
14EK	CONGLETON	78948	17478	22.1	18	96.6	15	74.6	133.1	11.3	3.6
14EL	CREWE AND NANTWICH	97334	19721	20.3	14	106.6	30.8	60.8	193	13.8	2.3
14EM	ELLESMERE PORT AND NESTON	82210	19120	23.3	18	99.9	13.6	84.1	136.3	13.7	1.3
14EN	HALTON	121865	30515	25	23	103.2	18.4	69.8	146.7	21.6	7.9
14EP	MACCLESFIELD	148809	29788	20	34	94.6	14.6	68.8	128	15	4.5
14EQ	VALE ROYAL	111263	24695	22.2	22	92.5	11.1	77.1	117.5	13.3	3.3
14ER	WARRINGTON	167149	36868	22.1	40	97.4	16.2	54.8	142.8	9.2	5.6
15ES	HARTLEPOOL	94471	20517	21.7	28	109.6	16	85.5	149.1	18.4	8.1
15ET	LANGBAURGH	150283	34942	23.3	47	104	19.3	59.9	142.9	17.4	7.2
15EU	MIDDLESBROUGH	149200	34255	23	44	109.1	18.8	52.5	159.4	14	5.7
15EW	STOCKTON-ON-TEES	171891	39332	22.9	57	113.7	19	62.3	158.1	14	4.8
16EX	CARADON	67038	13578	20.3	11	99.8	35	35.7	144.8	102.4	59.2
16EY	CARRICK	73989	13784	18.6	16	111.4	19.8	75.6	153.6	112.8	55.6
16EZ	KERRIER	81702	16419	20.1	12	129.6	37.6	74.3	210.7	249.8	150.2
16FA	NORTH CORNWALL	64096	12854	20.1	16	113	34.4	58.9	199.7	93.1	55.7
16FB	PENWITH	53172	9843	18.5	11	150.7	54.5	106.7	277.6	139.7	81.2
16FC	RESTORMEL	76781	14990	19.5	27	104.5	24.9	60.3	175.4	109.3	56.8
16FD	ISLES OF SCILLY	1853	372	20.1	1	169	0	168.8	168.8	58.3	2.7
17FE	ALLERDALE	94244	19087	20.3	14	104.3	23.3	79.2	157.4	23.8	18.6
17FF	BARROW-IN-FURNESS	72647	15164	20.9	12	100.1	16	68.6	117.1	14.9	14.5
17FG	CARLISLE	99504	19879	20	10	101.6	19.1	75.7	126.2	15.4	6.3
17FH	COPELAND	71457	15078	21.1	8	106.4	24.6	63.3	133.1	31.4	32.1
17FJ	EDEN	42425	8576	20.2	12	85.4	19.4	49.6	116.8	28	20.1
17FK	SOUTH LAKELAND	91419	16779	18.4	22	94	22.5	63	149.6	46.9	34.1
18FL	AMBER VALLEY	109036	21500	19.7	22	116.4	24.7	84.3	202.9	31.7	15.7
18FM	BOLSOVER	70358	14402	20.5	17	107.8	14.6	82.6	130.1	26.8	13.1
18FN	CHESTERFIELD	95963	18768	19.6	25	111.7	19.9	73.6	152.8	26	10.7
18FP	DERBY	214430	46081	21.5	44	106.1	19.5	63.9	139.1	22.4	8.3
18FQ	EREWASH	101458	20934	20.6	14	109.5	21.1	71.3	141.4	93.1	90
18FR	HIGH PEAK	81184	17247	21.2	27	107.2	19	77.2	142	26.3	8.5
18FS	NORTH EAST DERBYSHIRE	96399	20269	21	17	106.3	26	62	149.7	60.3	83.1
18FT	SOUTH DERBYSHIRE	67329	14383	21.4	18	108.1	16.2	83.4	140.6	36.5	22.4
18FU	WEST DERBYSHIRE	65674	12729	19.4	11	92.5	15.8	71	125	21.7	6
19FW	EAST DEVON	103854	17556	16.9	20	114.9	36.1	54.1	192.2	31.4	18
19FX	EXETER	92635	17633	19	18	99.9	26.4	60.1	149.3	26.1	9.4
19FY	MID DEVON	57507	11879	20.7	12	88.7	30.7	39.7	146.7	35.9	15.3
19FZ	NORTH DEVON	76561	14753	19.3	23	86.4	15.2	60.8	114.8	44.8	25.6
19GA	PLYMOUTH	240652	49748	20.7	41	88.5	21.8	43.3	139.3	45.6	17.9
19GB	SOUTH HAMS	65789	11787	17.9	12	98.9	36.3	59.6	160.1	91.1	58.2
19GC	TEIGNBRIDGE	93679	16366	17.5	20	92.7	31.7	50.4	188.8	60.5	81.3
19GD	TORBAY	110705	18112	16.4	23	98.1	30.4	52.9	161.3	50.1	22.3
19GE	TORRIDGE	46729	8901	19	14	84.3	9.9	62.6	108.8	40.2	12.5
19GF	WEST DEVON	42001	8079	19.2	11	95.9	27	53.9	124.7	117.8	90.3
20GG	BOURNEMOUTH	140204	20227	14.4	23	67.1	17.4	40.1	110.6	13.1	5.5
20GH	CHRISTCHURCH	37287	5508	14.8	9	64.8	14.4	50.3	95.1	12.3	3.9
20GJ	NORTH DORSET	45778	9174	20	18	68.7	16.6	48.9	112.3	12.4	7.2
20GK	POOLE	117127	21816	18.6	28	64	17.6	36.8	96.9	32	17.8
20GL	PURBECK	39194	7686	19.6	17	66.1	13.8	34.3	93.5	8.7	4.2
20GM	WEST DORSET	76620	13798	18	10	76.9	20.5	49.1	105.6	20.2	18.5
20GN	WEYMOUTH AND PORTLAND	55124	10538	19.1	21	68	20.5	41.4	116.4	33.6	16.1
20GP	WIMBORNE	67659	12512	18.5	14	91	53.9	53.5	270.5	30.8	21.2
21GQ	CHESTER-LE-STREET	51659	11112	21.5	13	109	21.1	73.2	140.8	13.5	5.2
21GR	DARLINGTON	97219	19851	20.4	22	105.6	19.3	74.4	154.4	16.6	8.6
21GS	DERWENTSIDE	87576	17534	20	10	93.5	17.5	68.2	125.4	15.5	6.3
21GT	DURHAM	82183	17103	20.8	22	108.2	18.1	86.6	151.8	14.8	5.5
21GU	EASINGTON	100521	21210	21.1	19	104.5	19.5	63	139.9	15.6	4.9
21GW	SEDFIELD	92454	19784	21.4	19	106.8	20.6	64.4	145.6	19.4	9.3
21GX	TEESDALE	23792	4555	19.1	2	125	5.4	122.2	127.9	26.3	11.6

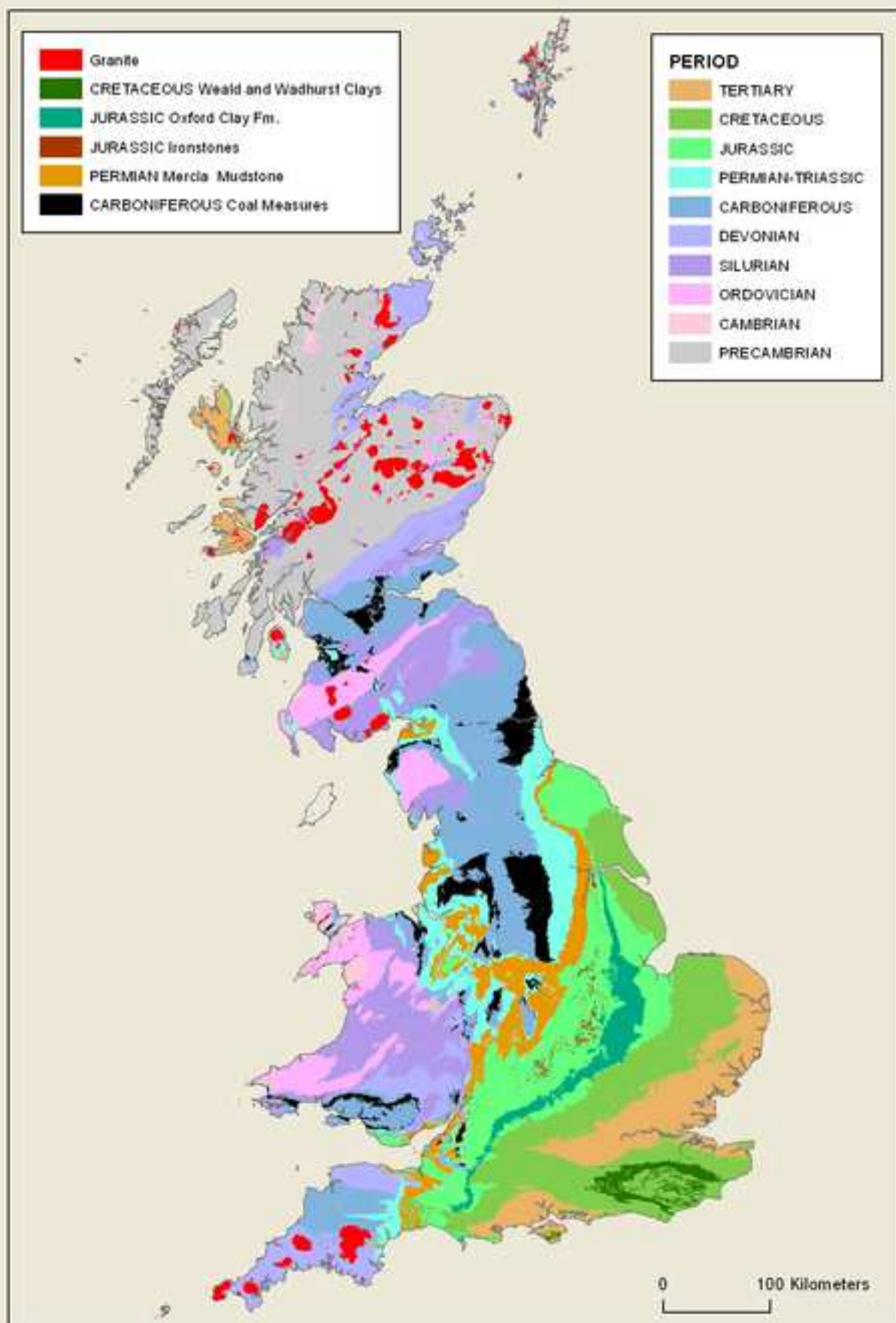
21GY	WEAR VALLEY	63477	12724	20	9	109.1	21.3	64.9	137.4	16.4	12.6
22GZ	BRIGHTON	143334	23114	16.1	23	89.6	20.7	52.1	144.9	19.4	13.4
22HA	EASTBOURNE	74098	11155	15.1	11	80	24.1	54	127.3	19.2	11.5
22HB	HASTINGS	73622	13411	18.2	10	89.8	12	69.5	114.6	16.7	2.1
22HC	HOVE	83418	11664	14	10	88.5	13.5	70.6	110.2	31.9	12.1
22HD	LEWES	76764	13805	18	10	78.9	25.5	50.7	126.3	33.4	17.6
22HE	ROTHER	74081	11380	15.4	5	89	23	48.7	106.4	17.1	3.3
22HF	WEALDEN	115699	21673	18.7	24	87.5	24.4	50	156.7	18.1	4.3
23HG	BASILDON	151999	36587	24.1	26	81	19	39.9	116.3	9.2	1.7
23HH	BRAINTREE	111395	25805	23.2	18	79.8	13.7	56.2	103.5	19.5	2.3
23HJ	BRENTWOOD	71935	13827	19.2	7	87.3	15.5	70.8	118	13.1	2.3
23HK	CASTLE POINT	85328	19645	23	10	82.9	19.5	51.7	114.3	11.7	3.2
23HL	CHELMSFORD	137406	30323	22.1	35	85.3	16.8	51.3	116.7	16	2.5
23HM	COLCHESTER	131994	28985	22	27	77.1	13.9	47.6	98.4	15.4	3.4
23HN	EPPING FOREST	115828	22112	19.1	30	80.4	15.6	50.3	105.7	13	2.9
23HP	HARLOW	79150	17737	22.4	10	91.2	15.9	68.6	126	14	3
23HQ	MALDON	47593	10885	22.9	7	87.1	11.1	59.9	100.7	16.2	3.3
23HR	ROCHFORD	73137	16130	22.1	22	84.4	10.7	58.8	116.8	13.1	1.9
23HS	SOUTHEND-ON-SEA	155815	27783	17.8	18	86.9	11.7	65	117.5	14.4	2.5
23HT	TENDRING	112753	19865	17.6	20	82.1	19.4	56.8	137.4	17.4	4.2
23HU	THURROCK	126311	28545	22.6	18	85.2	13.5	49.4	108.4	20.4	9.3
23HW	UTTLESFORD	61246	13367	21.8	9	76.8	17.8	58.2	113.5	21.9	4.5
24HX	CHELTENHAM	82972	15428	18.6	15	91.1	19	58.8	122.4	23.8	5.4
24HY	COTSWOLD	66494	13036	19.6	9	70.7	19.9	47.3	110.7	40.6	22.2
24HZ	FOREST OF DEAN	71648	15138	21.1	14	73.2	15.4	44.8	99.8	42.3	23
24JA	GLOUCESTER	90840	19235	21.2	25	86.6	16.6	52.7	126	15.8	2.9
24JB	STROUD	100708	21352	21.2	24	73.8	24	35.5	133.2	46.1	27.4
24JC	TEWKESBURY	80504	16586	20.6	17	82.4	20.7	48.5	124.4	22.1	7.9
25JD	BASINGSTOKE AND DEANE	128890	31390	24.4	43	76.5	14.9	50.1	110.7	22.7	9.9
25JE	EAST HAMPSHIRE	89433	19325	21.6	30	82.3	19.4	44.5	122.3	21.6	20
25JF	EASTLEIGH	92140	19883	21.6	29	77.1	16.6	44.8	107.5	12.8	7.3
25JG	FAREHAM	87061	18442	21.2	41	80.4	21.1	39.7	133.3	12.3	6
25JH	GOSPORT	76757	17114	22.3	17	78	17.7	43.8	99.5	11.5	3.3
25JH	HART	75381	18383	24.4	15	84.3	21.6	52.1	126.1	13.3	7.7
25JK	HAVANT	116080	26894	23.2	32	77	17.6	45.7	112	17.4	9.9
25JL	NEW FOREST	143251	26712	18.6	35	75.4	20	38.7	130.3	14.3	4.5
25JM	PORTSMOUTH	175382	31049	17.7	38	87.1	19.4	44.3	124.3	22.6	9.4
25JN	RUSHMOOR	77486	17381	22.4	17	82.1	16.4	50.2	106.3	12.4	5.6
25JP	SOUTHAMPTON	201989	40198	19.9	59	79.8	25.7	38	203.9	10.3	1.8
25JQ	TEST VALLEY	90182	19885	22	18	70.9	18.9	32.7	111	20.7	8.5
25JR	WINCHESTER	88566	17557	19.8	23	80.8	15.7	54	116.7	22.5	11
26JS	BROMSGROVE	86978	19010	21.9	19	106.5	14.3	80.6	131.5	15.6	2.8
26JT	HEREFORD	47109	9666	20.5	3	74.3	14.3	61.8	90.9	39.6	4.1
26JU	LEOMINSTER	36984	7419	20.1	5	79.4	9.8	68.6	98.8	41.4	18.8
26JW	MALVERN HILLS	81308	15985	19.7	17	93.7	21.4	60.1	126.9	32.1	9.9
26JX	REDDITCH	66395	17543	26.4	15	89.8	12.9	64.1	115.8	18.8	2.9
26JY	SOUTH HEREFORDSHIRE	46229	9423	20.4	7	95.9	22	58.9	132.9	37.6	12.8
26JZ	WORCESTER	74121	15349	20.7	12	110.3	26.3	80.6	160.5	27.6	4.6
26KA	WYCHAVON	94100	20325	21.6	16	108.5	20.5	69.9	148.2	28.8	8.9
26KB	WYRE FOREST	91169	20118	22.1	13	102.4	14.6	74.7	132.3	18.4	4.1
27KC	BROXBORNE	79377	17675	22.3	16	86.7	13.5	58.1	119.3	13.4	6.8
27KD	DACORUM	128565	27517	21.4	26	78.3	16.1	35.8	100.8	33.3	10.3
27KE	EAST HERTFORDSHIRE	106279	22748	21.4	28	89.7	17.8	53.6	134.5	23.1	5.6
27KF	HERTSMERE	87328	16627	19	13	83.5	17	45.6	101.4	12.3	7.5
27KG	NORTH HERTFORDSHIRE	106640	22774	21.4	33	87.6	17.8	50.1	119.4	20.4	5.7
27KH	ST ALBANS	124317	25426	20.5	23	89.7	15.2	53.3	117.9	24.6	9.3
27KJ	STEVENAGE	73907	16454	22.3	18	90.9	26.4	58.6	183.2	20.4	3.4
27KK	THREE RIVERS	77755	14989	19.3	25	87.3	21.7	35	120.2	25	10.8
27KL	WATFORD	73927	15215	20.6	23	90.7	12	65.2	114.9	28.3	4.2
27KM	WELWYN HATFIELD	92665	17861	19.3	20	94.2	15.2	67.5	115.3	19	7.4
28KN	BEVERLEY	104931	21199	20.2	8	108.9	19.5	84.7	147.6	17.6	5.8
28KP	BOOTHFERRY	59876	12797	21.4	16	107.4	15	84.7	133.1	16.4	4.6
28KQ	CLEETHORPES	68325	15225	22.3	8	101.4	7.2	87.2	117.6	22.9	12.8
28KR	EAST YORKSHIRE	73980	14190	19.2	31	102.5	18.7	69.5	166.7	19.8	8
28KS	GLANFORD	65959	14799	22.4	10	109.8	23.1	77.5	158.9	30.8	10.8
28KT	GREAT GRIMSBY	91541	20116	22	22	98.2	13.8	66.9	115.9	15.5	3.9
28KU	HOLDERNESS	45863	9845	21.5	10	101.2	19.7	69.2	133.9	16.1	5.9
28KW	KINGSTON UPON HULL	266760	58318	21.9	63	101.2	18	47.2	135.8	9.9	2.1
28KX	SCUNTHORPE	66047	14515	22	7	105.3	24.7	66.9	138.2	36.9	10.9
29KY	MEDINA	66527	12803	19.2	18	83.5	13.7	49.4	111.6	15.6	3.6
29KZ	SOUTH WIGHT	48352	8179	16.9	12	70.7	17.2	43.1	99.6	16.7	3.7
30LC	ASHFORD	84710	18478	21.8	14	87.2	24	50.2	141.4	20.6	8.4
30LD	CANTERBURY	114304	21659	18.9	17	81.8	15.4	57.4	103.2	21.2	12.5
30LE	DARTFORD	77315	15658	20.3	14	86.5	13.8	69.8	119	28.1	8.2
30LF	DOVER	99429	19319	19.4	18	82.7	21.7	53.2	118.7	38.2	17.3
30LG	GILLINGHAM	92938	21539	23.2	11	80.5	18.3	51.1	106.7	28.6	13.3
30LH	GRAVESHAM	95329	21047	22.1	10	67.5	15.5	40.8	88.3	30.1	10.3
30LJ	MAIDSTONE	129258	28008	21.7	22	82.7	15.3	63.6	117.1	26.7	6.6
30LK	ROCHESTER UPON MEDWAY	142436	33451	23.5	24	85.5	15.1	61.7	122.1	28.5	14.6
30LL	SEVENOAKS	109331	23036	21.1	19	80.8	15.7	50.7	113.6	29.2	10.9

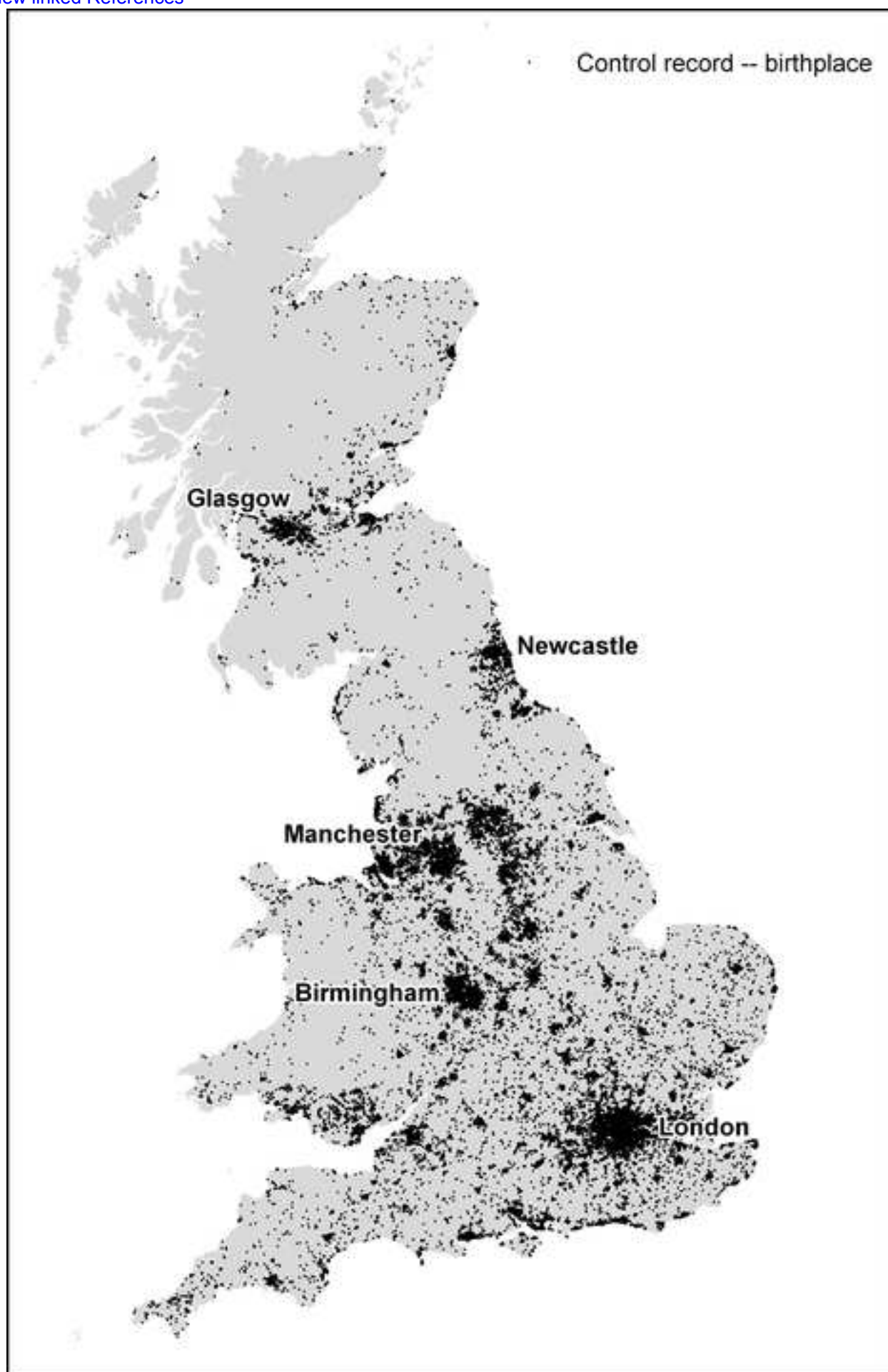
30LM	SHEPWAY	84538	15499	18.3	14	90.3	22.3	47.5	130.9	21.9	7.7
30LN	SWALE	109013	24685	22.6	20	83.5	13.1	55.1	109.2	23.6	10.9
30LP	THANET	118328	21217	17.9	16	80.8	11.5	57.1	96.6	24.3	12
30LQ	TONBRIDGE AND MALLING	96219	21309	22.1	21	83.7	27.4	43.9	191.2	23.3	6.3
30LR	TUNBRIDGE WELLS	95245	19439	20.4	13	81.6	19.3	45.1	117.2	21.8	3.8
31LS	BLACKBURN	140902	33220	23.6	24	98.9	24.9	54.1	136.5	13	6.3
31LT	BLACKPOOL	145776	23273	16	27	101.4	13.7	68.7	125.8	3.8	2.7
31LU	BURNLEY	93278	20188	21.6	22	99.3	21.3	58.8	127.2	10.1	3.8
31LW	CHORLEY	90319	20724	22.9	23	104	15.3	78.2	137.5	13.4	6.9
31LX	FYLDE	67777	11382	16.8	10	99.6	13.1	82.9	120	6	3
31LY	HYNDBURN	78862	16963	21.5	20	111.9	22	76.6	160.2	11.1	3.6
31LZ	LANCASTER	118589	21670	18.3	24	105.3	14.1	70.3	126.1	31.6	21.7
31MA	PENDLE	85566	18217	21.3	17	103.7	21.2	58.6	140.9	21.1	17.5
31MB	PRESTON	124414	26362	21.2	18	95.2	16.6	67.4	125.3	7.2	3.1
31MC	RIBBLE VALLEY	51750	10179	19.7	6	82.5	21.5	58.8	123.4	27.8	19.9
31MD	ROSSENDALE	64444	14266	22.1	15	107.3	21.8	79	153.1	18.8	10.4
31ME	SOUTH RIBBLE	97227	22430	23.1	17	98.7	11.6	82.8	123.9	6.9	2.3
31MF	WEST LANCASHIRE	106385	25324	23.8	25	91.7	18.8	60.5	124.9	12.9	11.7
31MG	WYRE	97512	17820	18.3	16	90.9	16.4	65.7	128	5.7	2.7
32MH	BLABY	76610	17347	22.6	18	104	16.4	76.4	128.2	16.2	3.9
32MJ	CHARNWOOD	132932	28559	21.5	34	111.5	15.4	78.7	144.3	23.2	5.9
32MK	HARBOROUGH	60654	13312	21.9	6	100.2	13	78.6	118.8	27.4	13.1
32ML	HINCKLEY AND BOSWORTH	87188	19154	22	22	108.7	13.4	85.1	126.8	19.5	3.6
32MM	LEICESTER	276245	59484	21.5	43	105.9	21.1	51.6	152	20.2	4.8
32MN	MELTON	42910	9371	21.8	12	109.8	20.6	86.7	155.9	34.7	27.4
32MP	NORTH WEST LEICESTERSHIRE	78407	16919	21.6	21	107.6	21.2	66.2	161.7	24.3	5.7
32MQ	OADBY AND WIGSTON	50704	10809	21.3	10	99.7	21.8	76.2	141.2	19	2.9
32MR	RUTLAND	29997	6550	21.8	7	100.1	23.3	60.8	135.5	63.2	42.1
33MS	BOSTON	52207	10279	19.7	13	95.8	7.5	79.6	105	21.1	2.8
33MT	EAST LINDSEY	102967	19901	19.3	16	99.9	10.2	79.7	119.6	25.4	10.3
33MU	LINCOLN	75617	15585	20.6	10	108.2	32.8	59.9	170.2	32	21.6
33MW	NORTH KESTIVEN	78222	16037	20.5	12	100.8	20.9	72.1	130.3	40.6	30.9
33MX	SOUTH HOLLAND	61631	12027	19.5	12	104.2	16.7	85.5	130.4	23.4	3.3
33MY	SOUTH KESTIVEN	96960	21627	22.3	25	95.6	17.3	68.7	131.4	47.9	25
33MZ	WEST LINDSEY	75340	16654	22.1	14	107.1	14.2	89.4	129	30.8	13.2
34NA	BRECKLAND	95857	20709	21.6	11	80.9	21.3	47.7	134.1	28.1	6.1
34NB	BROADLAND	97470	19577	20.1	14	83.5	17.3	59.1	109.4	22.1	5.1
34NC	GREAT YARMOUTH	80122	15925	19.9	11	88.6	21.7	51.6	132.4	12.1	6.5
34ND	NORTH NORFOLK	80089	14409	18	16	85.5	20.2	61.6	145.2	24	10.5
34NE	NORWICH	119759	22801	19	11	86.3	13.5	64.6	110.6	23.4	4.8
34NF	SOUTH NORFOLK	92600	18475	20	16	83.2	19.1	46.1	125.7	21.3	3.9
34NG	WEST NORFOLK	119335	24498	20.5	16	83.8	21.3	50.1	140.1	24	3.7
35NH	CORBY	52395	12526	23.9	15	93	13.9	72.1	115.9	25.3	34.8
35NJ	DAVENTRY	57334	13213	23	9	92.7	29.1	60.2	148	49.3	41.1
35NK	EAST NORTHAMPTONSHIRE	61034	13699	22.4	15	93.3	17.7	67.7	137	47.3	36.2
35NL	KETTERING	70651	15105	21.4	15	99.9	19.1	70.2	124.2	86.5	55.5
35NM	NORTHAMPTON	155536	33866	21.8	40	99	16.2	67.1	128	44.9	33.7
35NN	SOUTH NORTHAMPTONSHIRE	64004	14964	23.4	15	95.1	19.4	59.5	133	40.1	28.9
35NP	WELLINGBOROUGH	64013	14809	23.1	13	102.2	18.8	51.9	131.6	60.6	49
36NQ	ALNWICK	28023	5520	19.7	5	117.8	21.6	82.9	135.3	24.8	15.7
36NR	BERWICK-UPON-TWEED	25525	4878	19.1	8	111.3	20.2	72.5	134.6	46.1	19.6
36NS	BLYTH VALLEY	76936	18130	23.6	13	106.9	21.3	64.5	146.5	8.4	2.9
36NT	CASTLE MORPETH	49619	9475	19.1	15	100.7	22.4	66.7	146.7	15.8	8.2
36NU	TYNEDALE	53236	10155	19.1	10	101.7	30	60.5	156.9	22.6	15.7
36NW	WANSBECK	62112	12369	19.9	11	118.7	13.2	93	135.3	9	5.2
37NX	CRAVEN	46409	8794	18.9	10	108.3	28.6	70.3	146.8	35.9	30.2
37NY	HAMBLETON	73538	15151	20.6	22	103.3	15.4	69.9	125.5	27.4	10.8
37NZ	HARROGATE	136884	26138	19.1	24	110.8	27.4	61.6	169.2	24.1	20.5
37PA	RICHMONDSHIRE	41274	8695	21.1	4	98.5	16.1	74.8	115.5	42.3	25.1
37PB	RYEDALE	83132	16481	19.8	22	95.8	16.6	60.3	119.9	18.7	15
37PC	SCARBOROUGH	98791	18045	18.3	19	103.3	16.4	71.2	141.2	21.3	13
37PD	SELBY	76188	16126	21.2	27	105.3	21.2	61.4	144.4	15.7	10.1
37PE	YORK	97240	17874	18.4	15	104.1	11.5	86.7	129.2	9.1	4.2
38PF	ASHFIELD	105831	22718	21.5	19	104.4	16.2	76.6	136.9	40.8	22.8
38PG	BASSETLAW	101120	21925	21.7	16	110.1	21	86	152.5	21.2	7
38PH	BROXTOWE	102395	21267	20.8	31	108.3	16.4	76.8	139.7	25	11.6
38PJ	GEDLING	104075	21819	21	31	111	18.6	78.5	160.7	20.9	7.7
38PK	MANSFIELD	99358	20882	21	23	99.5	19.3	63.9	153.7	30.9	19.4
38PL	NEWARK	103733	23049	22.2	18	110	19.1	69.1	137.9	22.4	6.3
38PM	NOTTINGHAM	268257	55214	20.6	46	100.9	23.8	51.7	165.4	24.3	14.1
38PN	RUSHCLIFFE	91979	18736	20.4	17	111.6	20.7	77.5	152.1	28.2	13.7
39PP	CHERWELL	106051	24025	22.7	29	83	20.1	49.3	118.2	49.8	47.8
39PQ	OXFORD	93500	16532	17.7	22	88.4	19.1	41.9	124.4	21.3	6.1
39PR	SOUTH OXFORDSHIRE	127565	26892	21.1	35	83.2	17.7	25.5	116.8	23.8	10.5
39PS	VALE OF WHITE HORSE	100380	21376	21.3	30	84.4	19.8	40.8	121.6	24.8	6.6
39PT	WEST OXFORDSHIRE	79734	17468	21.9	27	70.9	20.2	30	118.4	38.9	22.3
40PU	BRIDGNORTH	49287	10578	21.5	11	107.8	18	80.5	143	25	11.9
40PW	NORTH SHROPSHIRE	49092	10554	21.5	6	111.2	23.4	81.9	151.7	22.9	6.3
40PX	OSWESTRY	30078	6113	20.3	6	109.7	22.8	85.3	131.4	49.5	25.4
40PY	SHREWSBURY AND ATCHAM	85121	17470	20.5	20	97.4	15.8	66.9	136.8	28.9	9.3

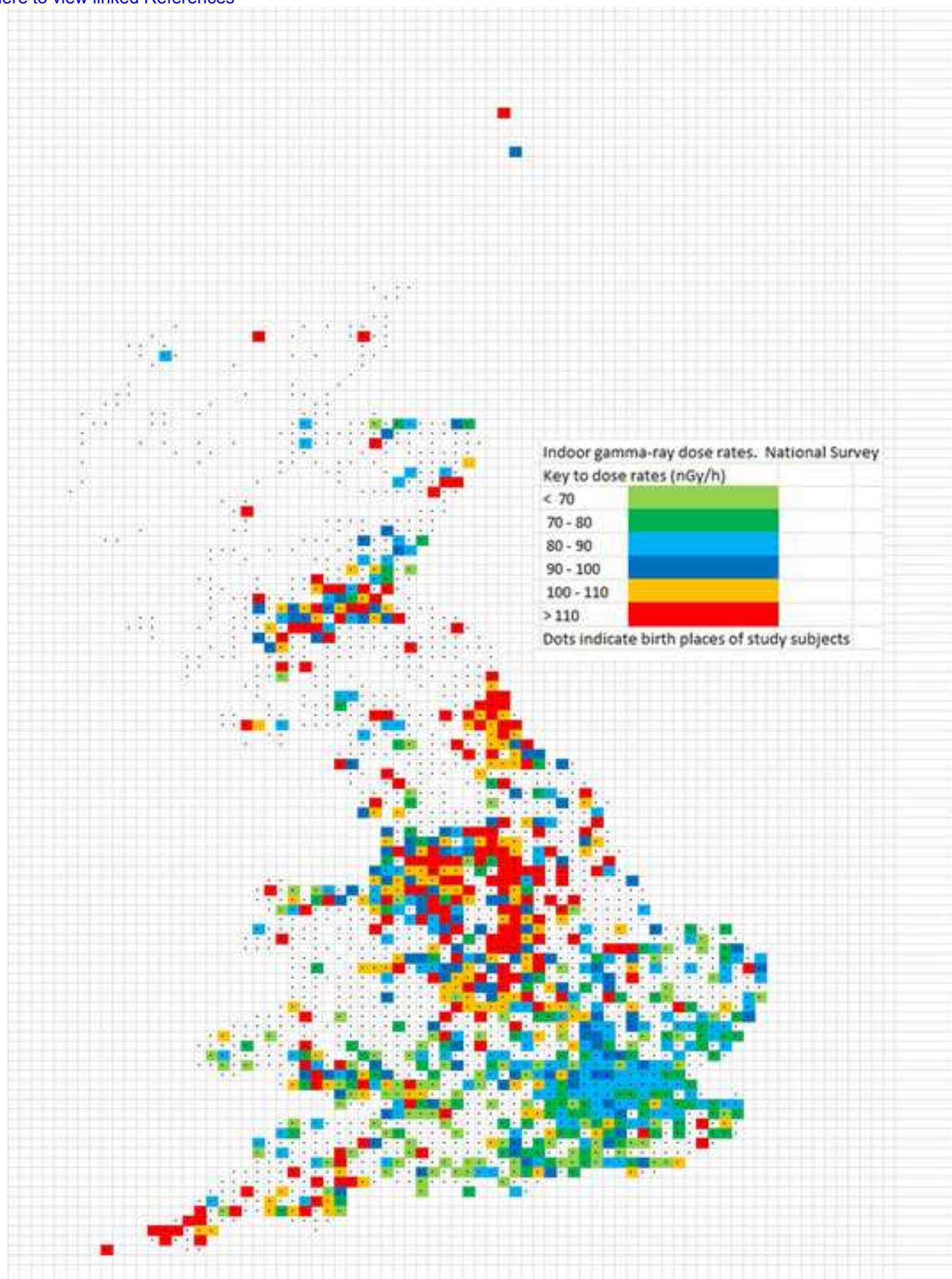
40PZ	SOUTH SHROPSHIRE	33424	6386	19.1	10	101.8	14.6	85.6	134.9	41.4	24.8
40QA	THE WREKIN	123353	30770	24.9	18	91	15.6	64.3	119	24.1	19.9
41QB	MENDIP	86182	18209	21.1	23	74.5	15.3	43.6	106.4	52	42.9
41QC	SEDGEMOOR	88581	18244	20.6	22	81.1	20.2	48.9	122.4	26.6	15
41QD	TAUNTON DEANE	84785	16113	19	44	78.6	18.7	41.2	113.2	40.8	25.6
41QE	WEST SOMERSET	28621	4599	16.1	30	82.8	32.9	37.6	160.2	32.8	12.9
41QF	YEOVIL	129288	26768	20.7	9	77.3	25.3	53.2	129.4	36.2	17.9
42QG	CANNOCK CHASE	84609	19525	23.1	15	90.2	21.2	61.3	134	18.4	19.2
42QH	EAST STAFFORDSHIRE	94459	20015	21.2	15	111.5	14.5	77.7	135	25.7	4.8
42QJ	LICHFIELD	88134	21059	23.9	21	107.2	16.9	74.8	145.2	16	4
42QK	NEWCASTLE-UNDER-LYME	117217	23695	20.2	16	97.3	23.4	51.5	124.3	25.7	21.1
42QL	SOUTH STAFFORDSHIRE	96183	21767	22.6	18	95.2	12.5	72.6	120.3	16	4.5
42QM	STAFFORD	115796	24399	21.1	19	98.1	15.4	75.8	133.3	22.3	4.9
42QN	STAFFORDSHIRE MOORLANDS	95152	20030	21.1	22	103.5	18.1	66.6	139.7	28.2	21.4
42QP	STOKE-ON-TRENT	249838	50002	20	18	109.3	15.9	88.2	136.7	20.4	7.8
42QQ	TAMWORTH	64253	17201	26.8	16	93.2	14.8	63.8	116.9	22.7	9.6
43QR	BABERGH	72349	16078	22.2	19	79.9	11.9	55.9	100	21.5	5.7
43QS	FOREST HEATH	51209	11799	23	7	83	16.3	61.9	102.4	21	2.8
43QT	IPSWICH	119500	24721	20.7	23	88.8	13.2	61.5	115.1	21.5	4.8
43QU	MID SUFFOLK	69342	14527	20.9	12	83.3	16.4	50.6	119.2	20.9	3.4
43QW	ST EDMUNDSBURY	85341	19400	22.7	13	86.8	17.3	57.9	116.1	23	3.7
43QX	SUFFOLK COASTAL	93928	18307	19.5	21	81.5	11.1	57.4	101.6	27.5	11.7
43QY	WAVENEY	98464	19320	19.6	20	78.8	17.6	39.4	113.9	16	3.2
44QZ	ELMBRIDGE	111112	20599	18.5	8	93.1	3.9	84.7	101.6	14.8	3.8
44RA	EPSOM AND EWELL	68538	12300	17.9	11	89.5	18.1	69.9	122.9	14.6	9
44RB	GUILDFORD	118508	22806	19.2	21	84.6	18.4	48.8	114.4	17.4	9.6
44RC	MOLE VALLEY	76028	13939	18.3	12	89.3	13	67.7	114.5	20.4	7.6
44RD	REIGATE AND BANSTEAD	115482	21313	18.5	16	79.9	17	37.2	105.1	22.3	7.3
44RE	RUNNYMEDE	70126	12921	18.4	9	82.8	6	71.7	92.4	17.3	5.7
44RF	SPELTHORNE	92032	17386	18.9	13	82	17.5	50.6	109.3	21.8	4.9
44RG	SURREY HEATH	75807	17677	23.3	9	78.1	24.1	47.5	102	10.7	2.8
44RH	TANDRIDGE	75701	14172	18.7	8	81.3	12.5	60.6	103.1	28.2	8.5
44RJ	WAVERLEY	107852	21556	20	13	78.8	19.1	45	106.6	17.5	5.9
44RK	WOKING	81303	16928	20.8	12	78.4	17.1	49.7	104.6	15.1	4.9
45RL	NORTH WARWICKSHIRE	59639	13178	22.1	9	108.3	8.4	86.7	120.8	20	13.2
45RM	NUNEATON AND BEDWORTH	112961	25688	22.7	16	103.4	18.5	73.3	146.1	18.6	9.4
45RN	RUGBY	84686	18388	21.7	14	104.8	9.4	86.3	119.3	27.3	6.1
45RP	STRATFORD-ON-AVON	99402	20318	20.4	15	98.9	18.8	55.1	136.5	34	19
45RQ	WARWICK	113113	22922	20.3	16	100.3	17	78.2	150.5	28.7	9.4
46RR	ADUR	57548	10650	18.5	8	86.5	17.8	58.4	119.8	47.2	10.5
46RS	ARUN	115666	19114	16.5	19	78.9	19.1	38.7	116.1	35.9	11.3
46RT	CHICHESTER	95609	17301	18.1	10	75.4	25	32.4	112.5	23.9	11.2
46RU	CRAWLEY	72543	14923	20.6	13	77.8	19.3	48	112.8	21.4	6
46RW	HORSHAM	100332	20177	20.1	22	86	19.8	46.3	118.9	20.2	4.5
46RX	MID SUSSEX	117739	25289	21.5	23	81.3	16.9	33.3	104.5	18.4	3.4
46RY	WORTHING	90687	13787	15.2	9	80.2	23.9	57.3	118	46.4	15.1
47RZ	KENNET	62834	13695	21.8	13	83.2	22.2	49.5	119.1	29.8	19.1
47SA	NORTH WILTSHIRE	101123	21915	21.7	24	71.7	20.8	35.2	129.3	25.3	15.4
47SB	SALISBURY	99256	19820	20	16	73.6	19.4	39.3	105.6	26.6	17.1
47SC	THAMESDOWN	150746	32793	21.8	47	74.5	20.5	35.2	111.9	17.2	10.3
47SD	WEST WILTSHIRE	98676	21577	21.9	27	66.1	22.3	32.5	125.3	23.2	10.7
48SE	ALYN AND DEESIDE	71971	16757	23.3	11	101.5	19.8	73.2	133	44	42.1
48SF	COLWYN	47303	8316	17.6	10	96.8	12.4	83.2	113.2	48	23.4
48SG	DELYN	64920	14776	22.8	22	99.2	14.9	67.5	120.8	92.3	59.8
48SH	GLYNDWR	39009	7862	20.2	8	89.3	16.2	72.1	121.1	72	55.4
48SJ	RHUDDLAN	51348	9678	18.8	12	98.3	22.5	75.8	145.3	36.8	29.3
48SK	WREXHAM MAELOR	111030	24713	22.3	20	103.1	20.5	70.3	141.6	58.5	36.8
49SL	CARMARTHEN	50881	10053	19.8	8	76.3	27.5	49.4	135.9	51.1	21.5
49SM	CEREDIGION	55357	10336	18.7	8	90	14.5	71.1	116	56.1	32.4
49SN	DINEFWR	36413	6779	18.6	8	86.3	25.4	46.2	120.8	37.6	26.2
49SP	LLANELLI	74977	14236	19	12	93.9	29	58.6	165.4	21.7	11.9
49SQ	PRESELI	67688	14449	21.3	7	85.9	22.7	56.4	115.2	80.3	40.1
49SR	SOUTH PEMBROKESHIRE	37724	8166	21.6	6	70.2	23.7	31.9	102.1	80.3	35
50SS	BLAENAU GWENT	79221	16303	20.6	6	97.8	24.2	57.9	122.8	21.8	14.6
50ST	ISLWYN	64625	13778	21.3	5	103	20.5	81.2	121.3	24.6	9.6
50SU	MONMOUTH	70015	14595	20.8	9	79.4	21.3	53.6	122.7	45.7	24.3
50SW	NEWPORT	132901	28027	21.1	21	98	30	49.8	164.9	25.9	12.9
50SX	TORFAEN	89738	19477	21.7	17	83	25.3	49.6	155	34.6	24.4
51SY	ABERCONWY	49641	8949	18	8	90.5	28	46.4	144.1	40.7	22.4
51SZ	ARFON	50295	10873	21.6	2	96	24.3	81.5	111.3	33.6	19.4
51TA	DWYFOR	25409	4848	19.1	2	106	35	82	130.3	37.8	14
51TB	MEIRIONNYDD	30450	5982	19.6	1	80	0	80.3	80.3	35.6	14.2
51TC	YNYS MON-ISLE OF ANGLESEY	66496	15455	23.2	12	98.9	35.3	57.9	199.3	47	54.8
52TD	CYNON VALLEY	67022	14285	21.3	11	94.7	25.8	53.7	136.8	17.7	14.7
52TE	MERTHYR TYDFIL	60043	12519	20.9	13	83.5	21.7	49.8	117	25.3	19.2
52TF	OGWR	128660	27899	21.7	8	84.1	18	64.3	107.3	40.9	24.5
52TG	RHONDDA	81268	16097	19.8	12	80.5	12.4	55.9	95.5	19.5	5.2
52TH	RHYMNEY VALLEY	104390	24432	23.4	19	90.8	26.2	46.9	127.4	20.9	8.3
52TJ	TAFF-ELY	92387	21092	22.8	14	77.4	20.4	43.1	111	24.9	19.7
53TK	BRECKNOCK	39562	7866	19.9	6	79.5	33.9	38.7	127.5	47.9	26.9

53TL	MONTGOMERY	47661	9727	20.4	6	92.8	13.3	72	109.6	50.9	16
53TM	RADNOR	20898	4165	19.9	3	84.7	9.5	75.8	96.8	70	39.2
54TN	CARDIFF	269459	54485	20.2	35	99.7	27.9	41.5	153.5	29	13.2
54TP	VALE OF GLAMORGAN	107259	23193	21.6	18	95.2	25.7	43.7	141.7	46.4	33.6
55TQ	AFAN	54404	10967	20.2	8	85.6	27.6	65.8	144.3	17.4	10.4
55TR	LLIW VALLEY	59663	12095	20.3	16	91.4	20.3	48.1	130.9	21.3	14.1
55TS	NEATH	66068	12901	19.5	6	102.8	20.4	78.7	132.8	24	8.5
55TT	SWANSEA	183484	36952	20.1	17	95	21.4	59.5	132	21.1	17.7
5601	BERWICKSHIRE	17896	3654	20.4	4	103.3	23.1	70.7	126.5	25.5	9.8
5602	ETTRICK AND LAUDERDALE	30957	6068	19.6	17	98.5	20.5	52.6	138.7	26.8	7.7
5603	ROXBURGH	34586	6892	19.9	6	95.2	19.3	59.7	117.4	35	24.2
5604	TWEEDDALE	13779	2684	19.5	7	105.4	14.5	93.3	128.2	35.3	10.8
5705	CLACKMANNAN	47356	11158	23.6	6	110.7	19	80.2	131.7	13.6	3
5706	FALKIRK	143830	31104	21.6	33	96.3	16.9	66.5	139.3	11.1	1.5
5707	STIRLING	76929	16888	22	17	105.8	24	53.4	141.4	17.5	6.3
5808	ANNANDALE AND ESKDALE	34998	7284	20.8	10	99.8	26.7	68.8	157.6	19.5	9.7
5809	NITHSDALE	54916	11275	20.5	10	102.5	23.6	73.4	140.6	24.1	4.4
5810	STEWARTRY	22371	4364	19.5	4	81	18.5	60.1	106.1	35.6	11.1
5811	WIGTOWN	29605	6326	21.4	4	101.5	18.1	87.1	125.1	20.9	8.4
5912	DUNFERMLINE	122090	27335	22.4	33	95.4	22.7	63	151.8	11.8	3.1
5913	KIRKCALDY	142713	31340	22	39	101.8	19.4	58.8	149.7	14.2	4.2
5914	NORTH EAST FIFE	60263	11673	19.4	15	95.1	20.5	67.6	134.4	22.6	7.8
6015	ABERDEEN CITY	199827	37190	18.6	30	106.7	16.6	82.5	138.9	22.4	7.3
6016	BANFF AND BUCHAN	80112	18648	23.3	27	91.9	18.8	54.4	126.4	20.8	11
6017	GORDON	61792	14965	24.2	20	97	28.8	70.7	186.7	26.3	13.4
6018	KINCARDINE AND DEESIDE	41009	9498	23.2	11	110.3	24.5	78.4	171.7	41.1	38.3
6019	MORAY	80151	17987	22.4	28	83.3	20	62.3	157.2	17.6	7.6
6120	BADENOCH AND STRATHSPEY	9363	1886	20.1	4	98.5	16.2	76.1	116.4	49.9	21.5
6121	CAITHNESS	26944	6025	22.4	12	91.9	11.6	71.1	110.9	29.5	13.1
6122	INVERNESS	54287	11877	21.9	22	95.1	14.5	74.2	115.8	34.7	12
6123	LOCHABER	19024	4600	24.2	7	101.6	24.5	69.9	127.5	24.4	15.4
6124	NAIRN	9640	2141	22.2	4	97.8	28.3	77	139.6	22.8	8.3
6125	ROSS AND CROMARTY	44874	11288	25.2	19	84.1	13.8	65.9	113.3	26.1	12.7
6126	SKYE AND LOCHALSH	9945	2146	21.6	2	66	5.8	62.2	69.9	10.4	4.4
6127	SUTHERLAND	12927	2619	20.3	3	95.3	28.9	75.1	128.7	22.9	14.6
6228	EAST LoTHIAN	78952	16080	20.4	21	105.4	13.5	72.7	124.8	18.6	4.3
6229	EDINBURGH CITY	425256	75246	17.7	90	99.6	18.9	52.8	154	12.6	5.8
6230	MIDLoTHIAN	81680	19115	23.4	26	100	15.1	73.7	130.1	18.1	5.9
6231	WEST LoTHIAN	137220	34975	25.5	54	103.7	22.7	58.9	165.6	13.1	4.4
6332	ARGYLL AND BUTE	63684	13446	21.1	19	86.6	17.6	62.7	116.2	18.6	9.5
6333	BEARSDEN AND MILNGAVIE	39351	8907	22.6	11	103.8	21.8	71.9	144.6	9.3	3.5
6334	CLYDEBANK	51999	11453	22	13	102.3	21.1	64.7	150.3	9.6	3.2
6335	CUMBERNAULD AND KILSYTH	61534	16597	27	12	92.9	20.4	65.6	135.6	8	2.9
6336	CUMNOCK AND DOON VALLEY	44738	10128	22.6	12	99.3	20.7	57.1	124	11.2	3.1
6337	CUNNINGHAME	136312	32023	23.5	38	101.2	18.3	71.5	162.7	12.3	4.2
6338	DUMBARTON	76937	17773	23.1	23	93.7	16	69	132.5	12.3	2.7
6339	EAST KILBRIDE	82600	18982	23.2	12	90.9	14.8	68.9	126.5	9.9	2.9
6340	EASTWOOD	53395	11906	22.3	23	105.2	16.7	73.9	141	12.6	6.7
6341	GLASGOW CITY	755429	149332	19.8	133	100.8	19.4	57.7	193.4	7.9	4.6
6342	HAMILTON	107935	25685	23.8	29	103.7	19.2	71.4	163.9	7.5	2.3
6343	INVERCLYDE	99565	21845	21.9	14	96.3	16.6	73.5	135.7	14.7	3.6
6344	KILMARNOCK AND LOUDOUN	81743	18147	22.2	36	100.8	18.5	60.4	139.1	9.2	3
6345	KYLE AND CARRICK	112273	22735	20.2	18	98.4	12.3	72.7	121.9	10	4.1
6346	LANARK(NOW CLYDESDALE)	56608	12767	22.6	29	102	17.7	74.1	131.7	16.3	7.7
6347	MONKLANDS	109862	27119	24.7	26	101.7	19.5	55.5	140.7	5.3	2.9
6348	MOTHERWELL	149478	34578	23.1	19	106.5	19.7	75.2	148.3	8.3	3.8
6349	RENFREW	205323	45588	22.2	49	96.7	21.3	58.8	150.9	10.1	4.3
6350	STRATHKELVIN	86644	20543	23.7	33	101.1	18	64.5	134.8	9	4.2
6451	ANGUS	91454	19905	21.8	27	99.5	24	72.3	165.6	21.4	4.2
6452	DUNDEE CITY	177545	35230	19.8	20	102.3	15.9	79.6	148.2	21	5.9
6453	PERTH AND KINROSS	113708	22330	19.6	28	91.9	19	62	127.4	22.5	7.4
6554	ORKNEY ISLANDS	18425	3985	21.6	3	110.7	49.8	72.5	167.7	52.5	19.6
6555	SHETLAND ISLANDS	22768	5432	23.9	9	84.1	26.6	47.4	134	23.3	15.2
6556	WESTERN ISLES ISLANDS	30713	7162	23.3	13	77.9	17.4	44	115.2	7.5	2.1
	Total over all CDs	53556911	11040954	20.6	10199	94	12.7	64	169		
	Note: No Gamma ray measurements were available for 01AA; the County mean was taken.										



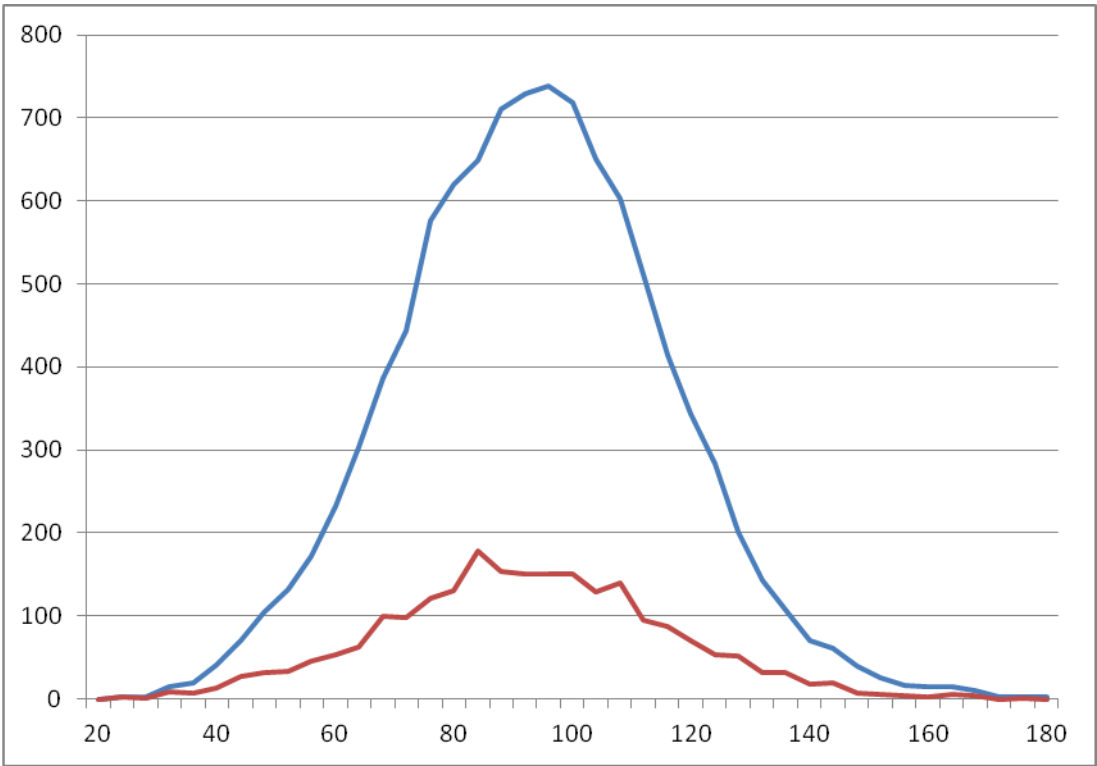




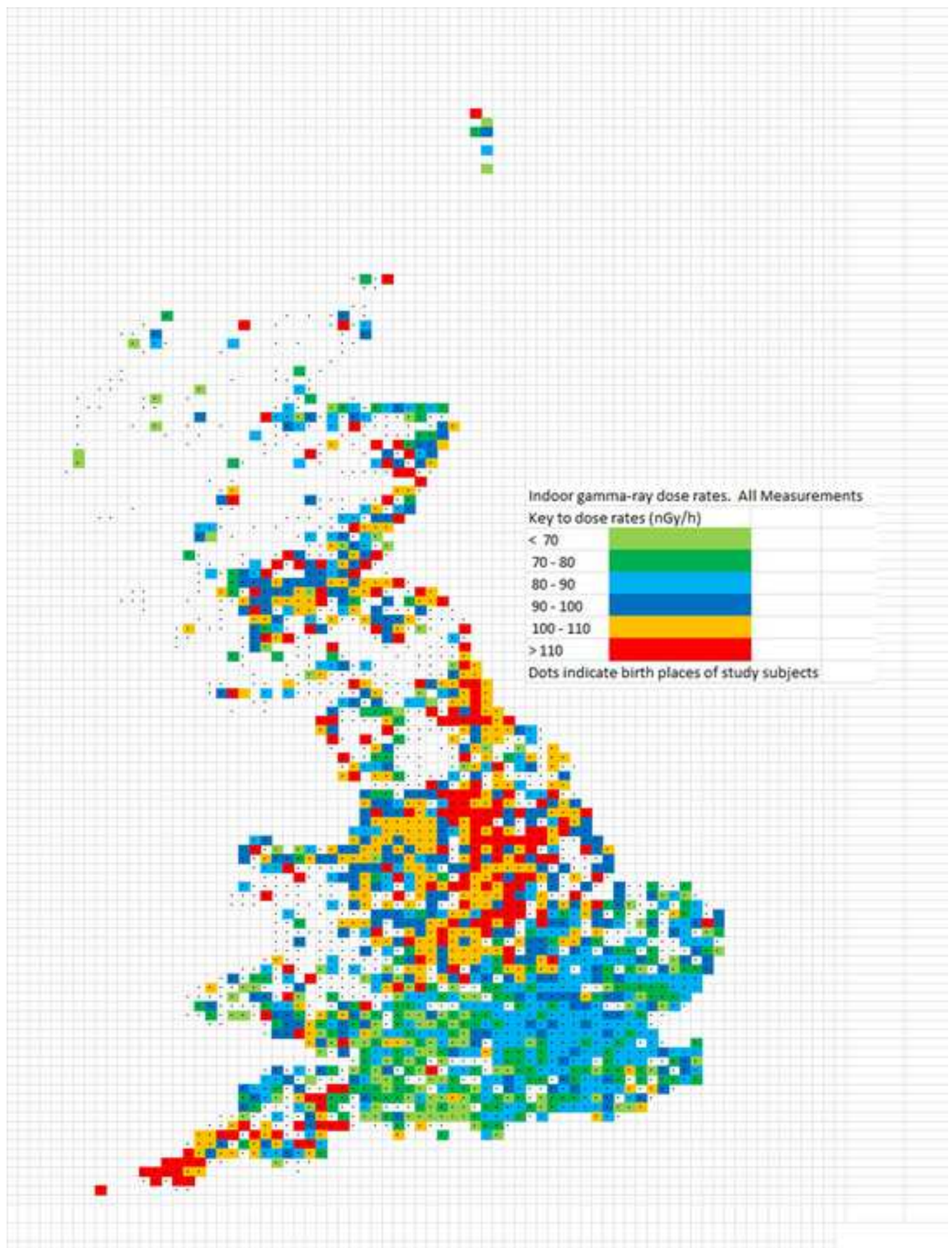


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Figure 2: Distribution of indoor gamma-ray dose rates (nGy per hour)
Upper blue curve: Full Dataset of 10199 Measurements
Lower red Curve : Data of the National Survey only (2283 measurements)



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Indoor gamma ray dose-rates in 10 km squares in Great Britain

Easting	Northing	Number of Measurements	Mean Gamma
			ray dose rate (nGy/h)
7	80	1	61.8
7	81	1	44
9	1	1	168.8
12	93	1	65.2
13	3	3	150.6
14	2	1	277.6
14	3	2	176.6
14	84	1	69.9
14	87	1	62.2
14	93	7	81.6
14	94	2	97.2
15	3	4	112.7
15	4	1	123.2
15	96	1	76
16	2	1	130.1
16	3	2	118.4
16	4	6	115.3
17	2	2	185.7
17	3	3	103.5
17	4	4	120.1
17	5	4	115.1
17	62	3	102.5
17	70	1	75.6
18	3	3	100.8
18	4	2	123.3
18	5	1	106.6
18	6	6	103.4
18	7	1	109.7
18	21	3	75.7
18	72	2	93
18	73	2	82.7
18	85	1	97.9
18	88	1	65.9
19	5	2	92.9
19	6	1	106.9
19	7	1	103.2
19	20	3	70.5
19	21	2	99.9
19	23	1	106.9
19	68	1	88.4
19	72	1	65.7
19	73	1	88.7
20	5	15	106
20	6	2	94.9
20	7	1	151.5

20	55	1	92.1
20	66	2	109.4
20	76	2	97.9
21	5	3	106.4
21	7	2	156.4
21	8	3	107.2
21	20	3	69.7
21	22	2	68.1
21	24	1	95.3
21	55	1	125.1
21	59	1	72.7
21	66	1	72.2
21	67	4	74.6
21	68	1	77.5
21	76	1	127.5
21	77	3	104.6
21	80	1	73.1
21	93	1	82.1
22	6	3	79.4
22	8	3	130.5
22	9	1	58.9
22	10	1	98.4
22	11	2	71.5
22	12	2	91
22	20	1	49.4
22	23	1	67.4
22	34	1	82
22	37	1	95.2
22	38	2	92.6
22	55	1	102.4
22	64	17	97.8
22	65	1	109.2
22	67	10	96.1
22	68	7	97.9
22	95	1	128.7
23	5	1	101.1
23	6	1	105.7
23	7	2	132.8
23	10	2	73.3
23	11	2	98.3
23	12	1	87.6
23	22	1	92.9
23	23	1	57.9
23	24	1	77.5
23	38	1	199.3
23	39	1	85.8
23	60	1	92.7
23	61	3	95
23	62	8	99.9
23	63	15	103.3

23	64	7	116
23	65	8	95.1
23	66	1	116.1
23	67	9	98.9
23	68	8	86.9
23	69	1	87
23	83	2	90
24	5	23	88.4
24	6	7	92.4
24	7	2	105.8
24	8	2	107.9
24	11	1	86.9
24	12	4	81.4
24	13	5	82.4
24	20	2	121.2
24	21	1	74.4
24	22	2	100
24	24	1	71.1
24	25	1	87.8
24	33	1	130.3
24	36	2	87.9
24	37	1	103.5
24	39	1	94.4
24	55	1	87.1
24	60	1	57.1
24	61	2	115.6
24	62	1	79.1
24	63	19	102.7
24	64	6	91
24	65	6	97.4
24	66	30	98.8
24	67	17	98.4
24	68	2	113
24	85	1	113.3
25	4	1	61.5
25	5	15	86.2
25	6	4	106.5
25	7	1	112
25	9	3	85.7
25	11	1	64.8
25	12	1	79.8
25	13	7	82.2
25	14	5	90.2
25	18	2	93.1
25	19	6	78.4
25	20	6	95.1
25	21	2	80.3
25	26	1	100.5
25	36	1	81.5
25	37	2	94.8

25	38	1	57.9
25	59	1	73.6
25	61	5	106.8
25	62	2	82.5
25	63	6	99.2
25	65	30	104.4
25	66	80	97.6
25	67	13	106.2
25	69	1	117
25	85	5	82.3
26	5	2	99
26	6	1	80.1
26	13	1	96.4
26	18	2	95.5
26	19	13	91.7
26	20	2	98.5
26	21	4	84.2
26	22	1	120.8
26	24	2	86.4
26	25	1	116
26	31	1	80.3
26	36	1	111.3
26	37	3	98.2
26	55	1	83.6
26	56	1	106.1
26	61	1	124
26	64	2	82.6
26	65	27	108.8
26	66	58	99.1
26	67	22	98.9
26	70	1	114.2
26	84	15	99.2
26	85	1	84.5
26	86	2	84.6
27	5	2	84.3
27	6	1	123.4
27	8	2	121.4
27	10	1	84.3
27	11	1	101
27	12	2	96.9
27	14	1	82.4
27	18	1	144.3
27	19	16	94.9
27	20	5	75.2
27	21	2	105.5
27	22	1	46.2
27	23	1	92.5
27	28	1	92.1
27	30	1	72
27	35	1	144.1

27	37	2	77.9
27	38	1	46.4
27	64	3	102.6
27	65	27	104.1
27	66	27	105.1
27	67	11	95.4
27	69	7	118.1
27	70	3	94.9
27	80	2	88.3
27	84	5	85.3
27	85	1	66.7
27	88	5	88.7
27	90	1	75.1
28	5	5	108
28	6	10	111.6
28	7	10	80.1
28	8	4	95.6
28	9	2	99.3
28	10	1	53.1
28	11	1	114.8
28	13	1	57.8
28	17	2	101.1
28	18	1	102
28	19	3	101.6
28	24	1	113
28	37	4	101.2
28	38	1	83
28	57	1	60.1
28	62	1	116.2
28	63	4	82
28	64	14	103.7
28	65	8	100.2
28	66	1	55.5
28	67	6	95.7
28	68	17	96.1
28	69	7	94.8
28	72	1	80.2
28	76	1	98.7
28	81	1	116.4
28	85	4	97.6
28	87	2	74
29	5	2	75.9
29	6	10	89.9
29	7	3	101
29	8	4	116
29	9	16	100.1
29	10	2	110.7
29	11	2	121.9
29	14	1	99.5
29	16	1	43.7

29	17	1	94.3
29	18	4	69.2
29	19	9	79.4
29	20	4	107.7
29	25	1	58.9
29	37	6	94
29	51	3	106.3
29	52	2	132.2
29	57	9	104.2
29	58	1	86.7
29	62	1	95.3
29	65	3	119
29	66	22	115
29	67	11	99.9
29	68	6	94.6
29	69	2	115.5
30	8	12	127.3
30	10	1	76
30	11	3	77
30	12	1	125.3
30	14	1	77.9
30	17	1	60.2
30	18	8	76.9
30	19	16	90
30	20	12	75.4
30	22	1	74.6
30	25	1	81
30	26	2	86.3
30	32	1	89.5
30	35	1	88.9
30	37	6	92.9
30	38	8	102.7
30	50	1	113.7
30	51	3	97.5
30	52	5	110.2
30	53	3	94.9
30	58	1	85.1
30	59	1	72
30	60	1	116.3
30	63	3	103.6
30	66	21	94.2
30	67	5	101.2
30	68	6	82.3
30	69	1	82.9
30	71	3	104.9
30	72	6	86.6
30	82	1	100.6
30	84	1	88.6
30	85	4	82.7
30	86	1	67.9

31	8	2	110.1
31	9	1	75.8
31	11	2	72.6
31	12	5	116.5
31	16	6	91
31	17	24	111.7
31	18	18	99.1
31	19	12	92.8
31	20	2	104.9
31	21	6	97.9
31	29	2	90.3
31	30	1	109.6
31	35	4	97.6
31	37	3	107.5
31	38	1	98.3
31	46	4	100.5
31	48	1	125.3
31	54	1	86.3
31	58	1	90.1
31	64	1	86.9
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31	66	11	100
31	67	18	100.4
31	68	17	100
31	69	7	101.8
31	70	2	97.2
31	71	1	69.5
31	72	7	91
31	74	3	83.5
31	86	4	77.5
31	95	1	110.9
31	96	3	92.9
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32	14	1	38.1
32	17	1	64.7
32	18	15	81.2
32	19	12	73.6
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32	25	2	84.9
32	30	1	105.2
32	32	1	99.2
32	33	2	103.5
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32	35	2	93.7
32	36	13	99.2
32	37	14	100.2
32	38	31	95.1
32	39	5	101.3

32	40	5	83.8
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32	47	10	100.1
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32	64	2	102.4
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32	69	11	92.7
32	70	19	103.5
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33	12	4	74.7
33	13	6	89.4
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33	17	2	56.7
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33	20	2	63.6
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33	41	16	92.6
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34	46	19	107.1
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34	55	4	108
34	62	1	138.7
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34	64	1	94.9
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34	72	1	68.1
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34	74	2	98.6
34	75	2	103.8
34	80	1	87.7
34	82	1	121.1
34	86	4	73.4
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35	13	1	64.3
35	14	3	92.2
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35	23	2	100.3
35	24	1	90.5
35	25	1	61.5
35	27	1	86.2
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35	32	1	100.5
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35	49	4	97.1
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35	63	6	93.6
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35	76	1	121.4
35	80	1	117.6
35	81	3	100
35	86	2	80.3
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36	7	8	106.1
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36	15	6	76.8
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36	17	36	106.3
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36	19	3	76
36	20	2	74.8
36	21	8	71.6
36	22	1	58.9
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36	24	1	60.1
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36	37	13	95.3
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36	41	7	109
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36	43	5	89.8
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36	50	1	75
36	52	1	70.4
36	53	1	64.7
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36	63	1	91.3
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36	75	1	82.5
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36	86	4	90.8
37	9	2	47.4
37	11	2	59.1
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37	14	6	74.8
37	15	2	64.6
37	16	13	89.6
37	17	1	46
37	18	11	75.7
37	19	8	81
37	20	2	66.6
37	21	3	79.8
37	22	2	86.1
37	23	1	65.3
37	24	6	96.9
37	25	2	101.9
37	26	3	99.4
37	27	1	74.7
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37	29	4	107.6
37	30	2	94.5
37	31	5	89.8
37	32	1	108.8
37	34	2	84.2
37	35	9	88.3
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37	37	5	101.4
37	38	11	92.2
37	39	39	100.4
37	40	42	104.9
37	41	22	105.4
37	42	14	118.5
37	43	13	103.4
37	44	3	90.9
37	54	1	83.1
37	63	1	103.6
37	65	1	70.7
37	75	3	92.8
37	76	1	78.4
37	77	1	100.4
37	79	2	119.3
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37	85	1	67.2
37	86	1	82.8
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38	9	1	49.1
38	10	8	72.5
38	11	1	86
38	12	7	66.8
38	14	5	60.9
38	15	7	77.1
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38	17	2	78.6
38	18	1	84.6
38	19	1	67.3
38	20	11	67.2
38	21	27	85.1
38	22	5	85.4
38	23	2	114.8
38	24	1	106.3
38	25	16	109.2
38	26	1	141.7
38	27	13	108.6
38	28	13	107.5
38	29	17	99.4
38	30	4	96.6
38	31	1	75.8
38	33	3	106.6
38	34	15	101.8
38	35	12	103
38	36	6	102.2
38	37	7	82.6
38	38	55	100.6
38	39	59	105.5
38	40	53	102.2
38	41	18	108.2
38	42	13	102.4
38	43	27	102.9
38	44	7	93.1
38	54	1	85.5
38	55	1	60.5
38	56	2	111.3
38	62	1	59.7
38	64	1	93.4
38	65	1	106.7
38	66	1	126.5
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38	80	11	97.7
38	81	2	88.6
38	82	1	91.3
38	83	1	71.5

38	85	1	72
38	86	1	77.5
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39	11	2	48.8
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39	19	2	48.6
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39	27	11	101.1
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39	30	24	105.1
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39	32	10	100
39	33	3	94.3
39	34	17	110.9
39	35	4	106.8
39	36	1	80.7
39	37	8	95.9
39	38	25	101.5
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39	40	47	104.9
39	41	12	103.7
39	42	4	88.9
39	44	3	99.4
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39	65	4	106.6
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39	80	18	109.4
39	81	4	99.4
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40	12	2	83.2
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40	18	1	87.8
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40	22	1	72
40	24	4	101.2
40	25	4	97.1
40	26	18	91.5
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40	28	50	112.3
40	29	29	111.5
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40	34	3	108.5
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40	37	8	99.6
40	38	4	135
40	39	5	99.4
40	40	7	97.1
40	41	8	93.7
40	42	27	118.2
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40	65	2	128.4
40	82	1	102.8
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41	16	2	95.9
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41	20	2	77.5
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41	28	35	108.3
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41	36	1	93.6
41	40	5	87.3
41	41	30	114
41	42	18	116.1
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41	46	1	81.9
41	50	1	105.1
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41	58	1	66.7
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42	35	2	111
42	36	3	99.4
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42	39	8	107.6

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42	47	1	61.6
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42	58	17	114.8
42	59	4	102.6
42	60	7	116.1
42	62	1	112.5
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43	36	8	110.1
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43	39	34	111.2
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47	25	15	100.4
47	26	23	99.7
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48	23	25	76.2
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48	39	4	111.2
48	40	3	111.3
48	41	4	95.4
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48	47	1	93
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49	14	6	83.1
49	15	11	78.1
49	16	8	80
49	17	18	79.8
49	18	13	90.1
49	19	18	83.7
49	20	5	76.7
49	21	4	85.6
49	22	10	91.5
49	23	3	83.5
49	24	2	96
49	25	4	100.3
49	26	7	102.6
49	27	8	94.4
49	28	1	97.4
49	29	1	89.5
49	30	2	120.1
49	31	3	110.7
49	32	1	109.4
49	33	9	101.8
49	35	3	106.8
49	36	7	97.7
49	37	6	118.2
49	39	1	125.1
49	40	4	126.3
49	42	4	97.5
49	43	1	120.8
49	44	2	87.6
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50	11	1	78
50	12	2	94.7
50	14	2	83
50	15	8	82.4

50	16	15	80.2
50	17	22	83.7
50	18	40	86.6
50	19	22	93.1
50	20	23	82.9
50	21	2	74.2
50	22	36	95.4
50	23	5	88.2
50	24	6	96.6
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50	26	3	110.6
50	27	2	86.6
50	28	1	79.9
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50	30	5	94
50	31	2	80.3
50	32	2	93.4
50	34	3	97.1
50	35	2	94.7
50	37	2	119.2
50	38	2	89.9
50	39	1	104.3
50	40	1	109.4
50	41	3	88.4
50	42	23	104.4
50	43	31	99.5
50	44	4	115.5
50	45	1	109.8
50	47	2	103.1
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50	49	1	104.4
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51	11	4	70.4
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51	13	7	99.2
51	14	6	81.5
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51	16	23	88.5
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51	19	44	88.5
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51	24	4	84.2
51	25	3	83.5
51	26	5	89.7
51	28	2	105.6
51	29	8	89.2

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51	36	1	93
51	40	1	111.4
51	41	3	114.9
51	42	1	105.9
51	43	30	102.7
51	45	2	108.7
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52	10	17	89.4
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52	12	1	95.6
52	13	14	77.5
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52	16	55	90.4
52	17	77	83.2
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52	20	11	87.2
52	21	15	96
52	22	19	92
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53	14	1	73.3
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53	17	50	79.6
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53	32	2	107.2
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53	42	1	126.7
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