

Supplementary information 1

These figures represent the distribution of 24 h GM and 24 h median for the 1046 adults.

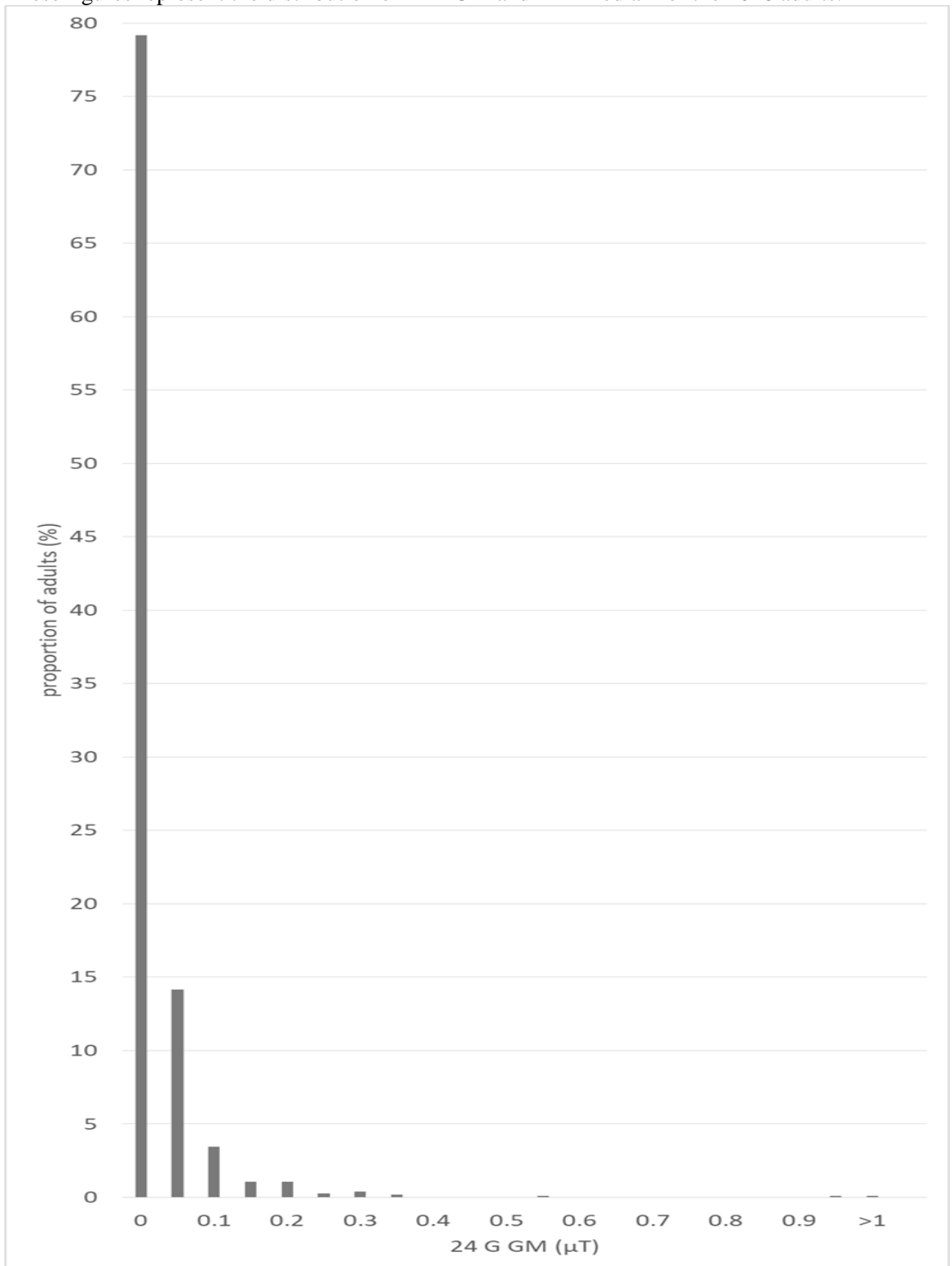


Figure S1.1 – distribution of 24 h GM among adults

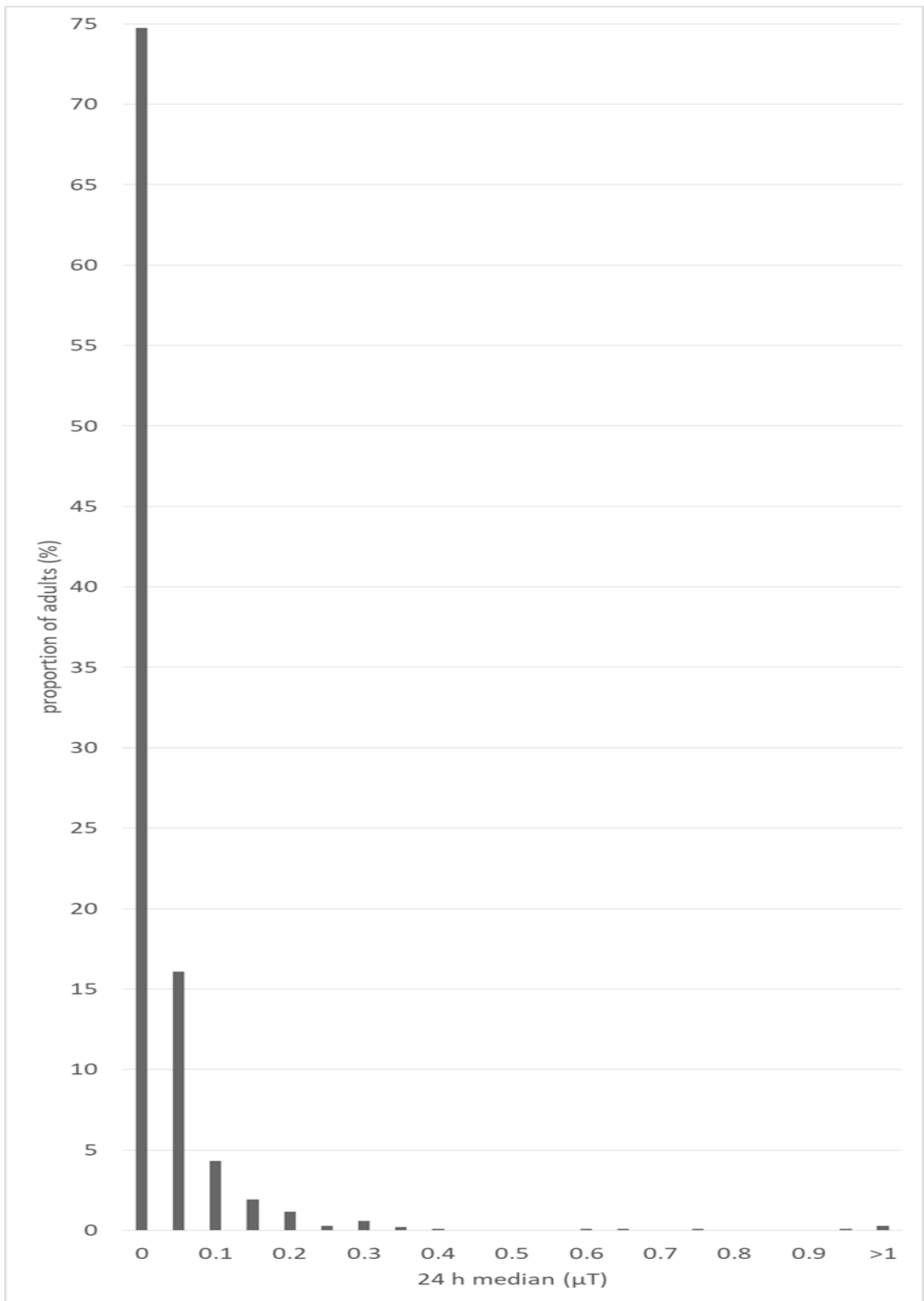


Figure S1.2 – distribution of 24 h median among adults

Supplementary information 2

This table presents the variable correlated with the 24 h indicators for the 1046 adults (including those with an alarm clock identified on the measurements during the night).

**Table S2.1 Variables correlated with at least one of the following indicators on 24 h:
AM, GM or median**

	Number of adults	P-values ^a		
		24 h AM	24 h GM	24 h median
Sex	1046	0.5580	0.6504	0.3741
Age (15-34 , 35-44, 45-54, ≥ 55 years)	1046	0.9886	0.2436	0.3336
Duration sleep at home ^b	1041	0.8351	0.4359	0.1154
Duration at home excluding sleep ^b	1046	0.0036	0.0576	0.0349
Duration at work ^b	612	0.1268	0.0458	0.0704
Duration at work inside building ^b	591	0.1373	0.0332	0.0533
Duration at work using PC ^b	292	0.5595	0.3282	0.4427
Duration at work inside vehicle ^b	46	0.1530	0.1045	0.5735
Duration at work outside ^b	32	0.9299	0.7240	0.5680
Duration on train or metro ^b	58	0.0140	0.0764	0.2254
Duration on car or bus ^b	802	0.4555	0.6566	0.5328
Job (at the time of measurement)	1046	0.2190	0.0046	0.0184
Living in Ile de France	1046	<0.0001	<0.0001	<0.0001
Urban area size (<5 000, 5 000–49 999 and >50 000 inhabitants)	1046	<0.0001	<0.0001	<0.0001
Type of home (house/apartment)	1046	<0.0001	<0.0001	<0.0001
Year home was built (in classes)	1046	0.2251	0.0073	0.0149
Type of home heating (individual/collective)	1046	<0.0001	<0.0001	<0.0001
Energy for home heating (electric/non-electric/mixed)	1046	0.0263	0.0020	0.0448
Type of water heating (individual/collective)	1046	0.0026	<0.0001	<0.0001
Electric appliance at less than 50 cm during the night	1046	<0.0001	<0.0001	<0.0001
Alarm clock identified on the measurements during the night	1046	<0.0001	<0.0001	<0.0001
Low voltage underground cable close to home	1046	<0.0001	<0.0001	<0.0001
Low voltage overhead line close to home	1046	0.0117	0.0007	0.0064
Medium voltage underground cable close to home	1046	0.0010	<0.0001	<0.0001
Medium voltage overhead line close to home	1046	0.3272	0.0366	0.0489
Medium voltage/low voltage substation close to home	1046	0.0573	0.0004	0.0012
Medium voltage/low voltage substation in building close to home	1046	0.0263	<0.0001	<0.0001
Medium voltage/low voltage substation in building adjacent to address of home	1046	0.2354	0.0026	0.0050
Medium voltage/low voltage substation in building adjacent to home	1046	0.8455	0.2237	0.2859
63 kV to 400 kV overhead line close to home	1046	<0.0001	<0.0001	<0.0001
Electric network identified on measurements at home	1046	<0.0001	<0.0001	<0.0001
Low voltage underground cable close to work	612	<0.0001	<0.0001	<0.0001
Medium voltage underground cable close to work	612	<0.0001	<0.0001	<0.0001
Medium voltage/low voltage substation in building close to work	612	0.0456	0.0294	0.0139
Medium voltage/low voltage substation in building adjacent to address of work	612	0.3716	0.1272	0.0779

^a Spearman's test for quantitative variables; Mann–Whitney (if two categories) or Kruskal–Wallis test (if more than two categories) for qualitative variables.
^b Quantitative variables

Supplementary information 3

These figures present the boxplots for the variables significantly correlated with the 24 h AM for the 887 adults (for which no alarm clock was identified on the measurements during the night) which are not presented in the main text.

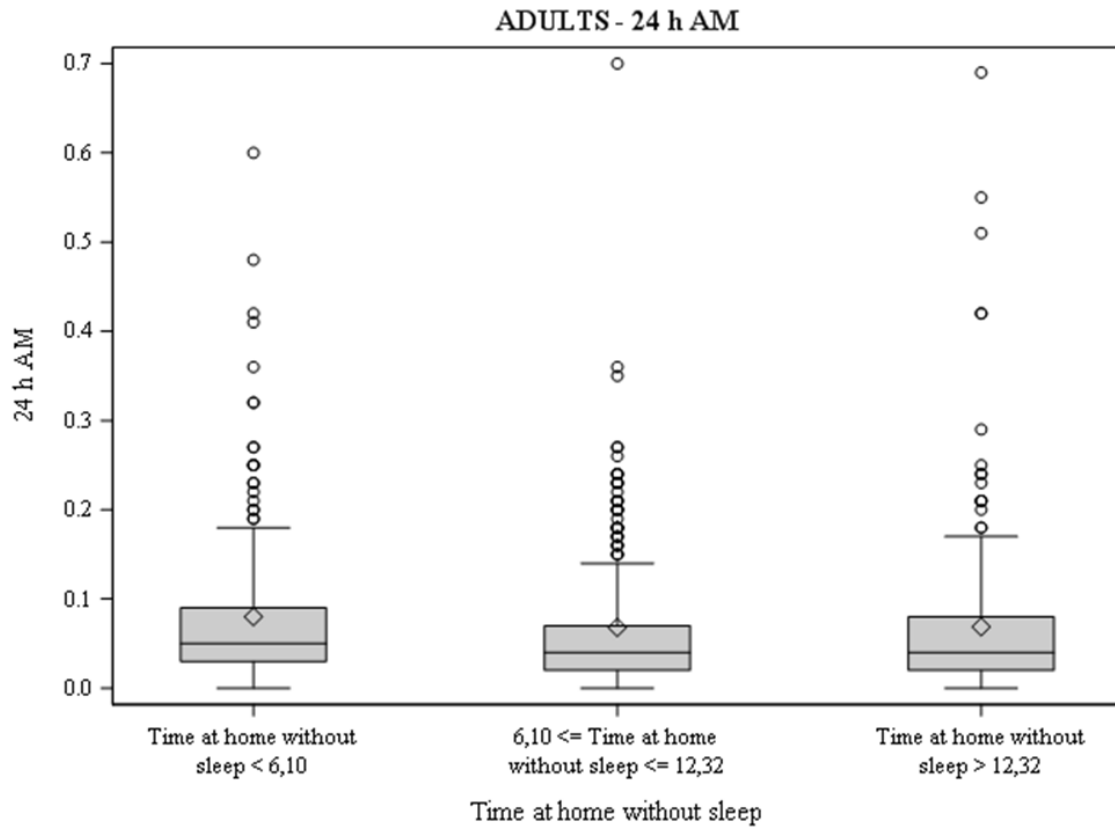


Figure S3.1 – distribution of the 24 h AM in function of duration at home excluding sleep

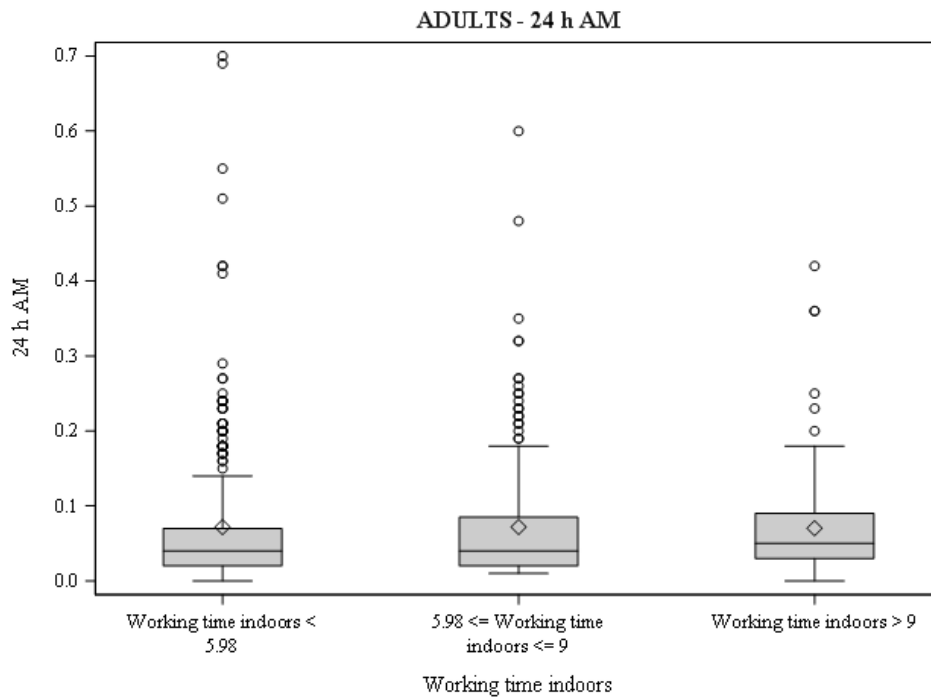


Figure S3.2 – Distribution of 24 h AM in function of duration at work inside building

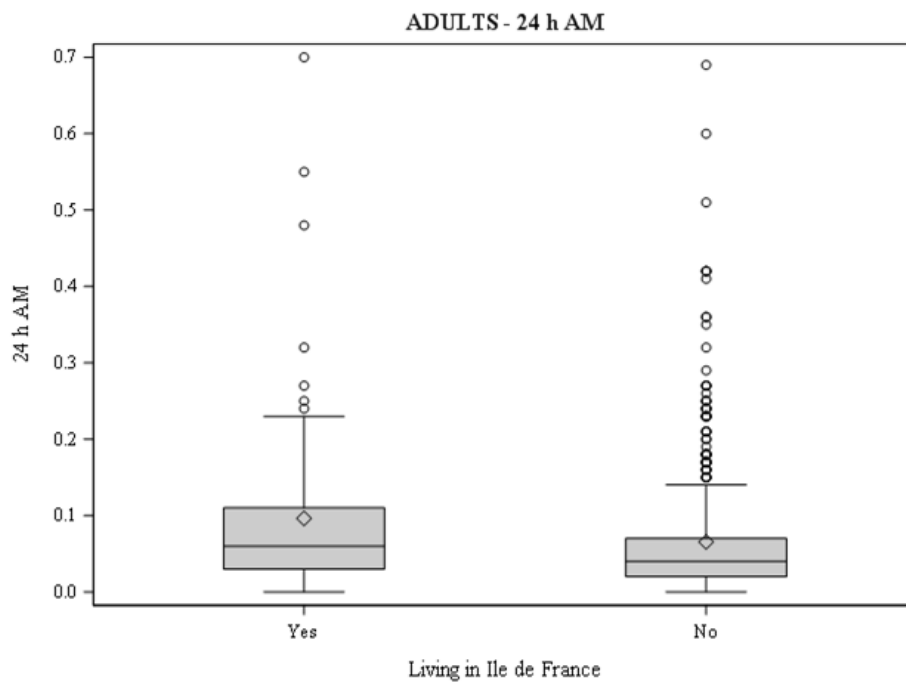


Figure S3.3 – Distribution of 24 h AM in function of living in Ile de France

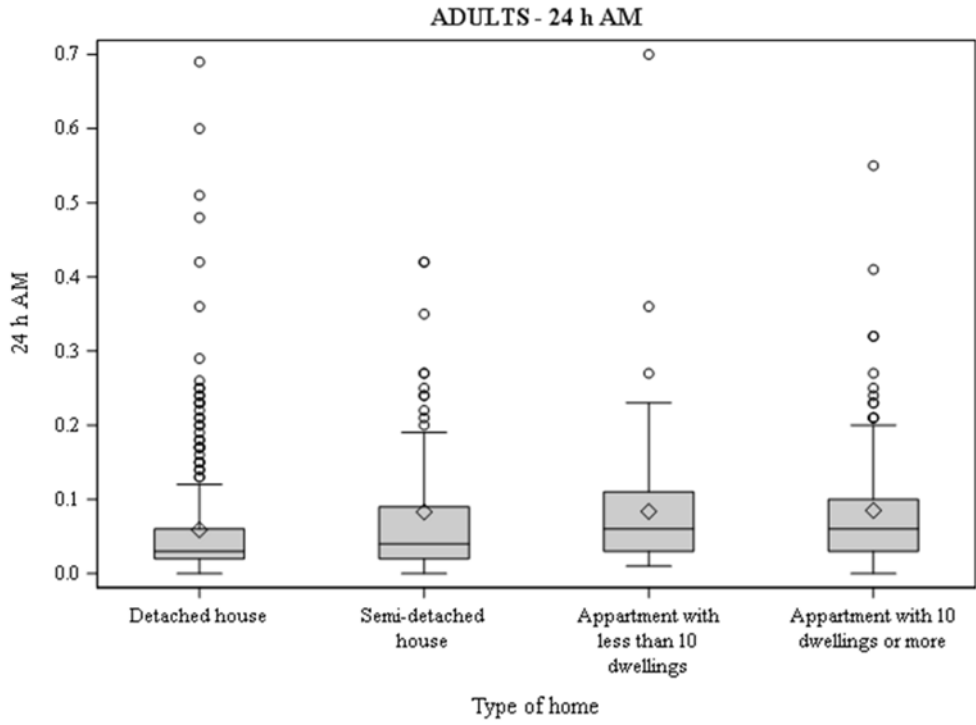


Figure S3.4– distribution of the 24 h AM in function of type of home

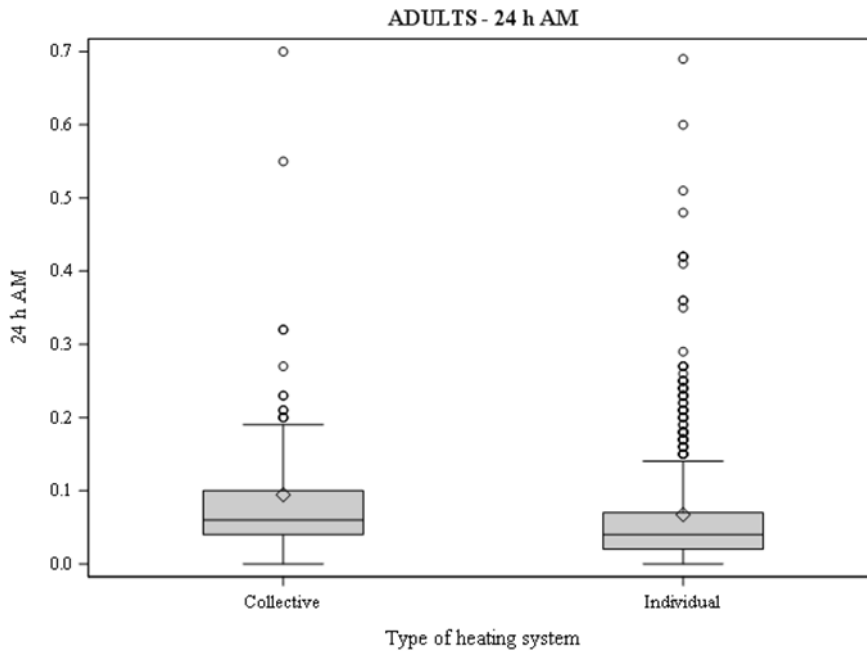


Figure S3.5 – distribution of the 24 h AM in function of type of home heating

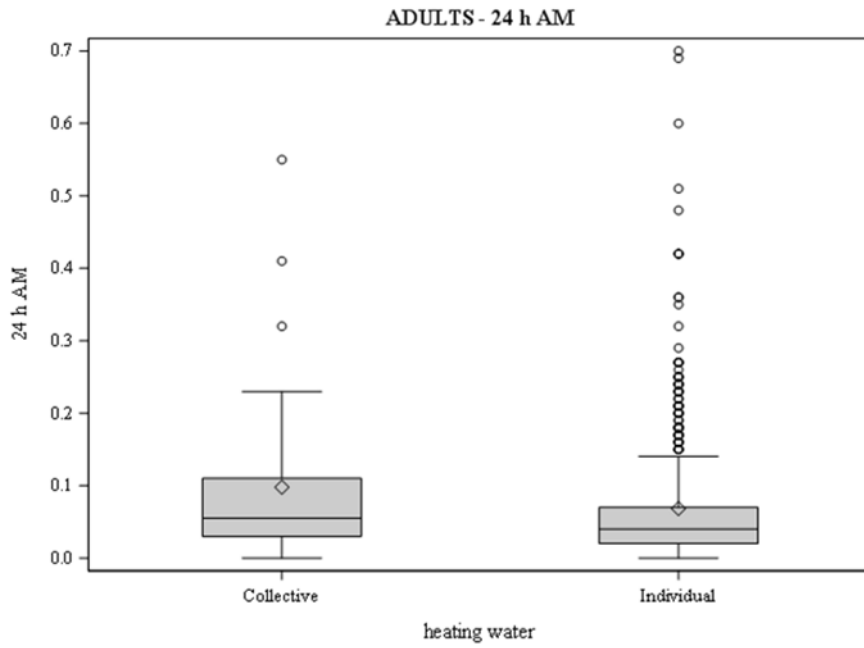


Figure S3.6– distribution of the 24 h AM in function of type of water heating

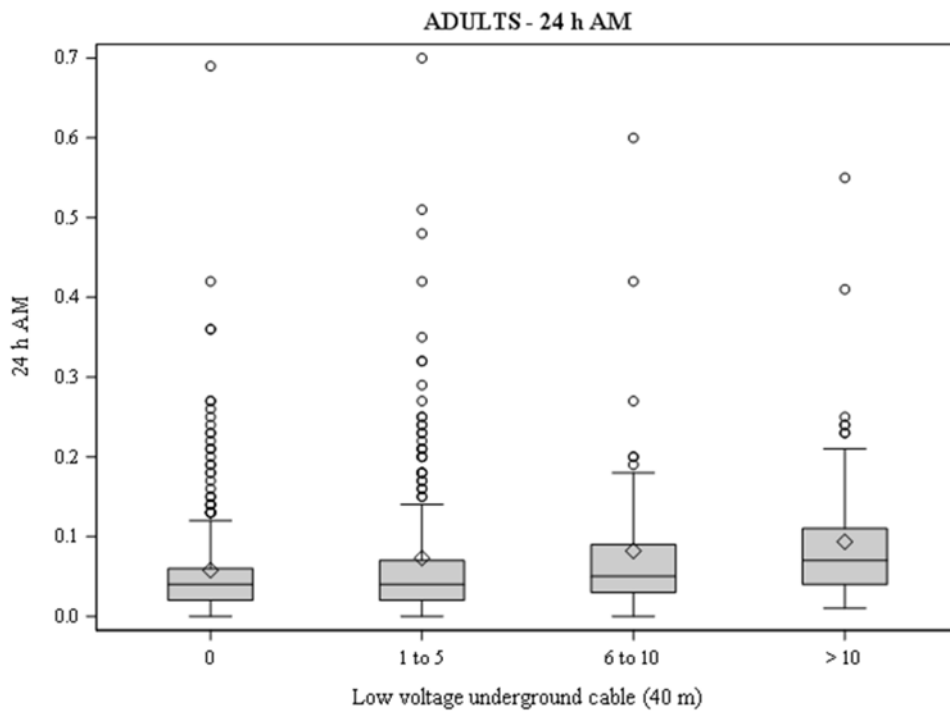


Figure S3.7 – distribution of the 24 h AM in function of number of LV underground cables close to home

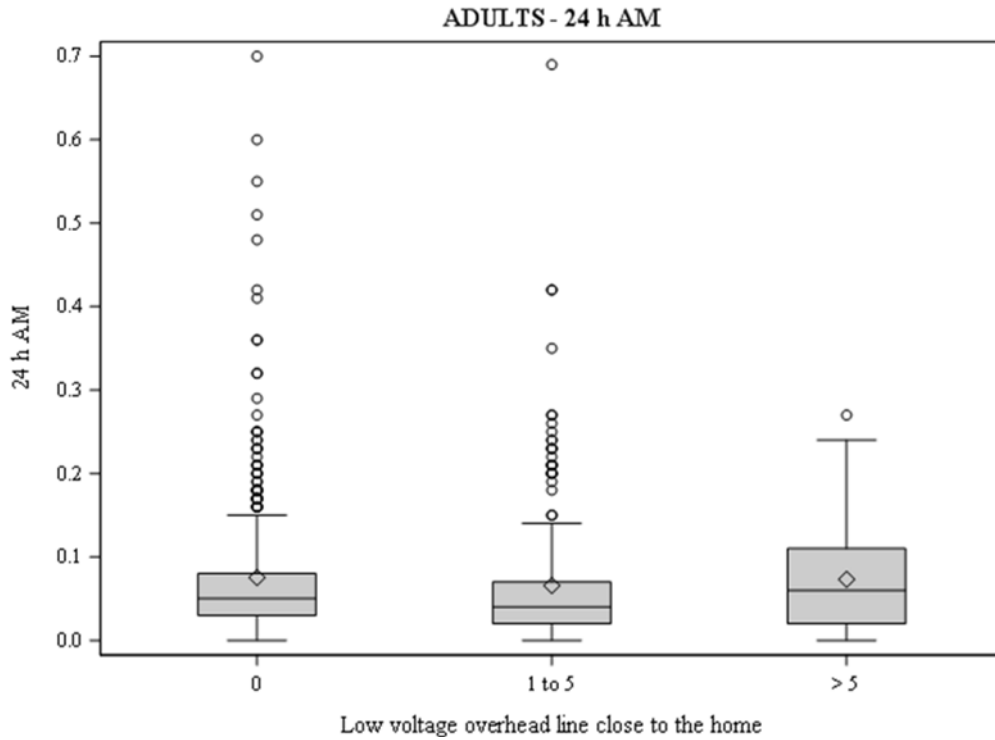


Figure S3.8 – distribution of the 24 h AM in function of number of LV overhead lines close to home

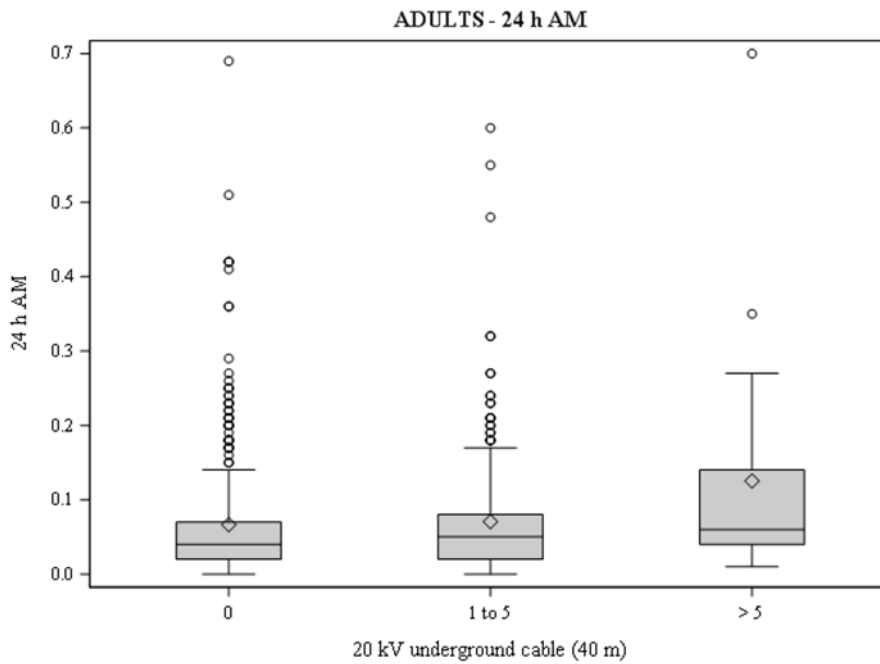


Figure S3.9 – distribution of the 24 h AM in function of number of MV underground cables close to home

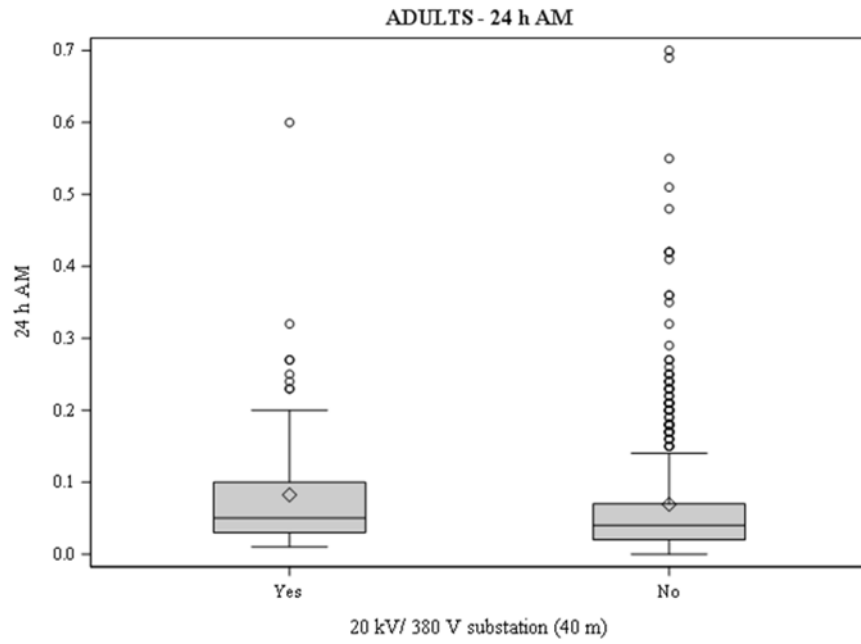


Figure S3.10– distribution of the 24 h AM in function of MV/LV substations close to home

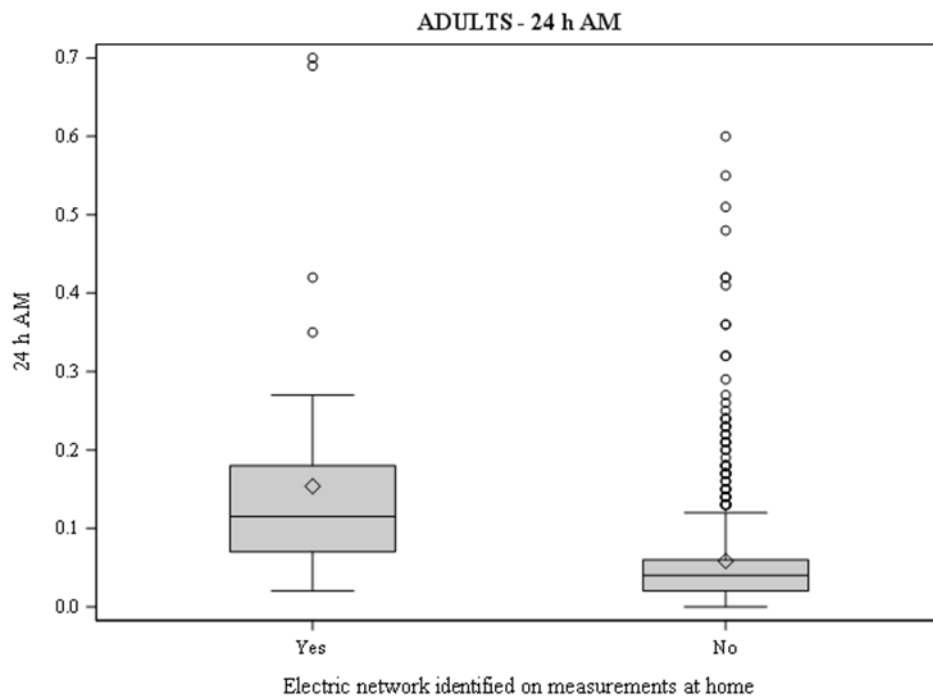


Figure S3.11 – distribution of the 24 h AM in function of electric network identified on measurements at home

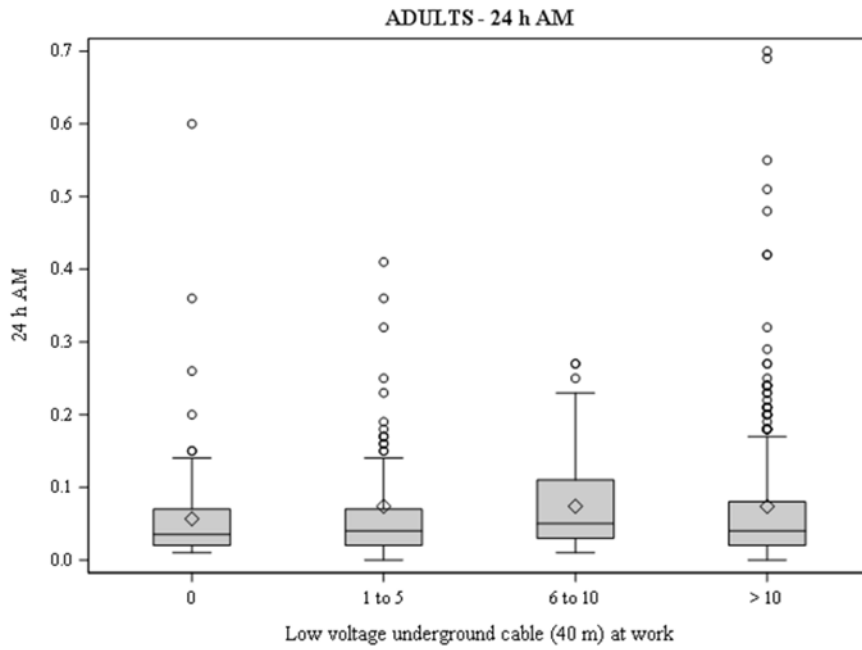


Figure S3.12 – distribution of the 24 h AM in function of number of LV underground cables close to work

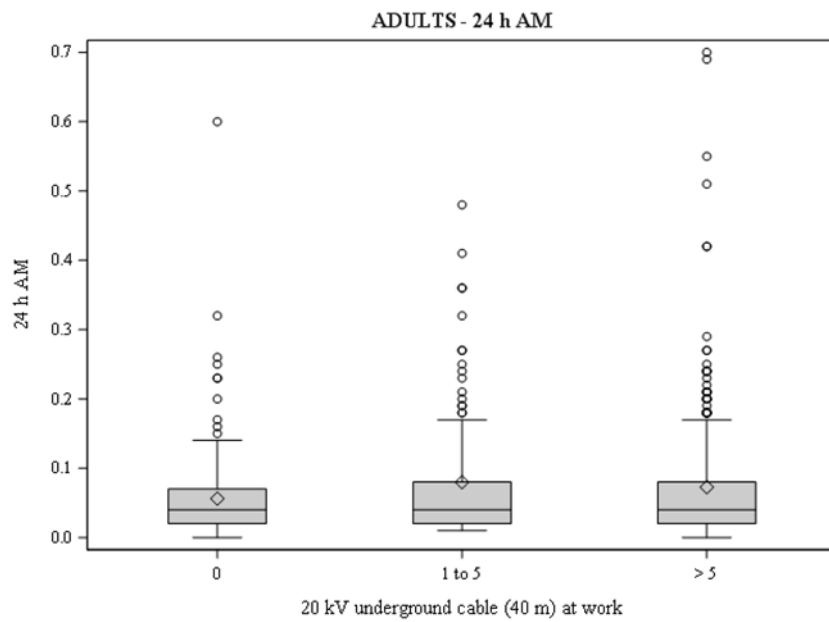
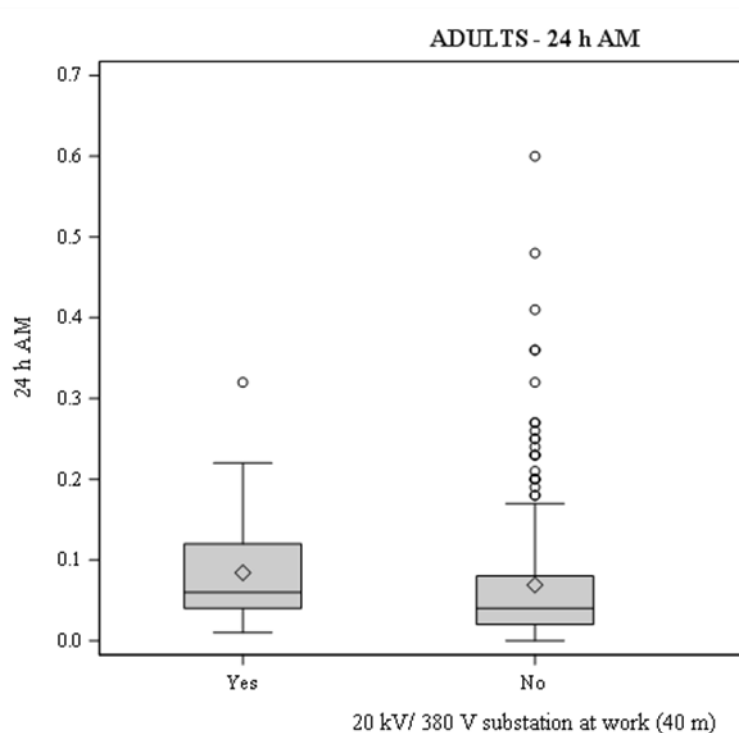


Figure S3.13 – distribution of the 24 h AM in function of number of MV underground cables close to work



20 kV/ 380 V substation at work (40 m)
 Figure S3.14– distribution of the 24 h AM in function MV/LV substation close to work

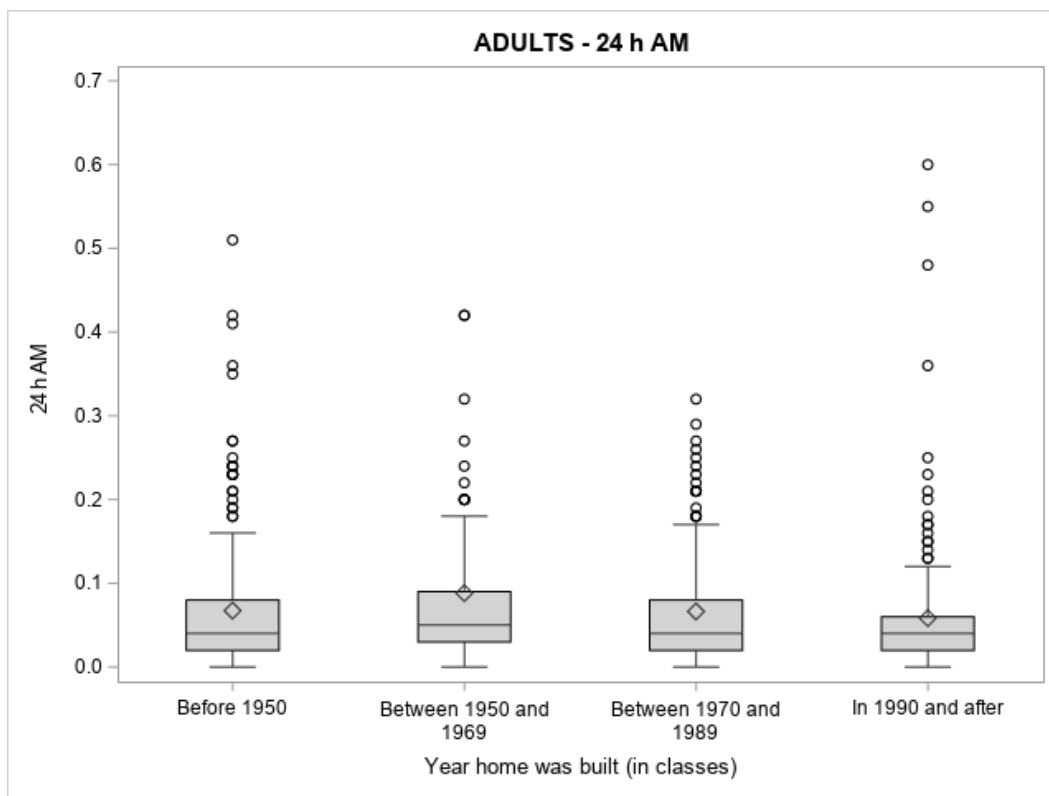


Figure S3.15– distribution of the 24 h AM in function of year the home was built