

**Appendix A**

**Household insecticide use and urinary 3-phenoxybenzoic acid levels in an elder population:  
a repeated measures data**

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**Table A1** Relations of insecticide spray use (frequency per week) with log<sub>2</sub>-transformed urinary 3-PBA levels (ng/mg-c) after adjustment for sex, age, smoking status, survey episode, surveyed season, BMI, drinking status, and residence area

Target	Observation no.	$\beta$	SE	Lower 95% CI	Upper 95% CI	<i>p</i> -Value
Total	2,117	0.03	0.01	0.002	0.06	0.04
Males	571	0.02	0.03	-0.04	0.09	0.46
Females	1,546	0.03	0.01	0.002	0.06	0.04

3-PBA, 3-phenoxybenzoic acid; SE, standard error; CI, confidence interval.

**Table A2** Relations of insecticide spray use (frequency per week) with log<sub>2</sub>-transformed urinary 3-PBA levels (ng/mg-c) after adjustment for sex, age, smoking status, survey episode, surveyed season, BMI, drinking status, residence area, and potential occupational exposure

Target	Observation no.	$\beta$	SE	Lower 95% CI	Upper 95% CI	<i>p</i> -Value
Total	2,117	0.03	0.01	0.002	0.06	0.03
Males	571	0.02	0.03	-0.04	0.09	0.45
Females	1,546	0.03	0.01	0.002	0.06	0.03

3-PBA, 3-phenoxybenzoic acid; SE, standard error; CI, confidence interval.

**Table A3** Relations of insecticide spray use (frequency per week) with log<sub>2</sub>-transformed urinary 3-PBA levels (ng/ml) after adjustment for sex, age, smoking status, survey episode, surveyed season, and urinary creatinine level

Target	Observation no.	$\beta$	SE	Lower 95% CI	Upper 95% CI	<i>p</i> -Value
Total	2,132	0.03	0.01	0.01	0.06	0.01
Males	575	0.03	0.03	-0.03	0.09	0.34
Females	1,557	0.04	0.02	0.01	0.07	0.02

3-PBA, 3-phenoxybenzoic acid; SE, standard error; CI, confidence interval.

**Table A4** Relations of insecticide spray use (frequency per week) with log<sub>2</sub>-transformed LOD-corrected 3-PBA levels (ng/mg-c) after adjustment for sex, age, smoking status, survey episode, and surveyed season

Target	Observation no.	$\beta$	SE	Lower 95% CI	Upper 95% CI	<i>p</i> -Value
Total	2,132	0.03	0.01	0.004	0.06	0.02
Males	575	0.03	0.03	-0.03	0.09	0.37
Females	1,557	0.03	0.01	0.003	0.06	0.03

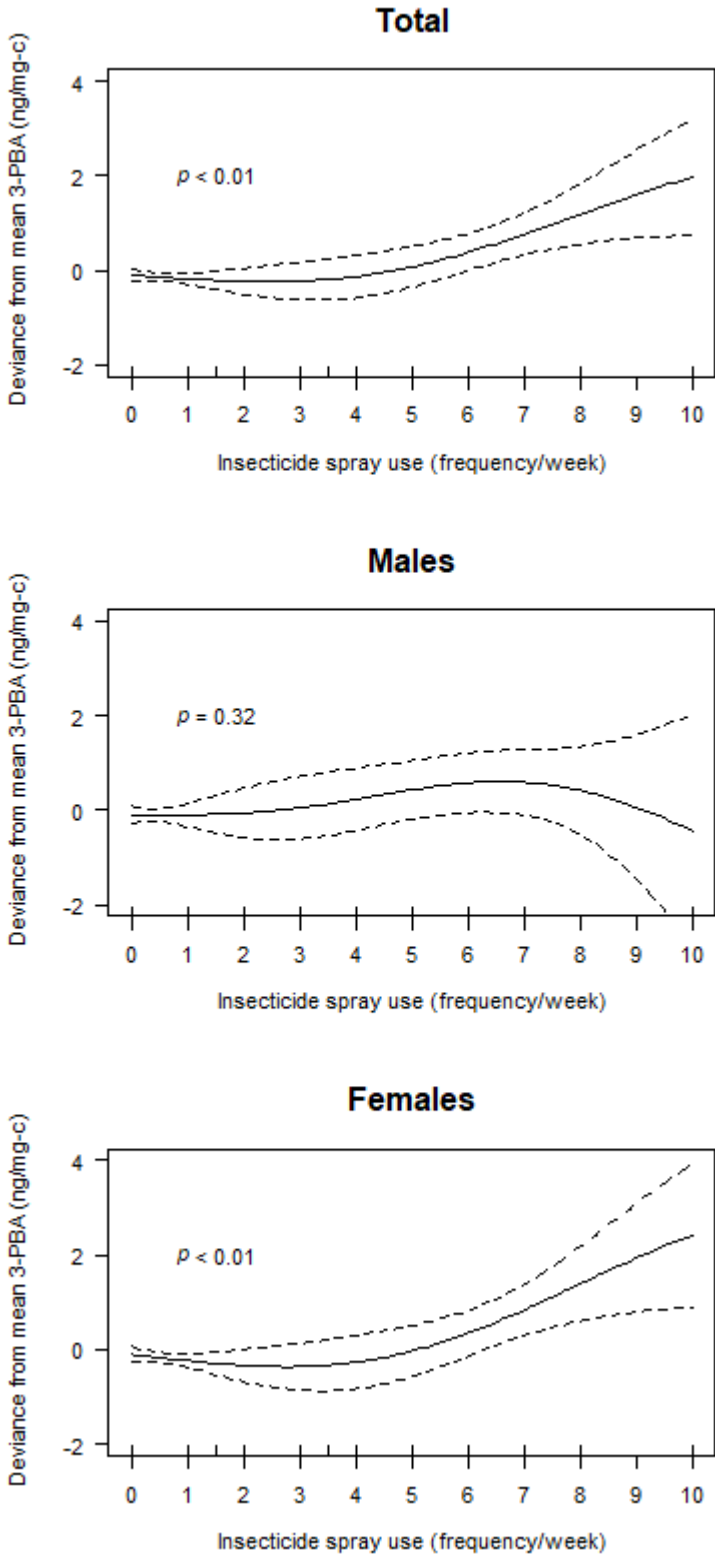
3-PBA, 3-phenoxybenzoic acid; SE, standard error; CI, confidence interval.

**Table A5** Relations of the consumption of vegetables and herbal refreshment with log<sub>2</sub>-transformed urinary 3-PBA levels (ng/mg-c) after adjustment for sex, age, smoking status, survey episode, and surveyed season

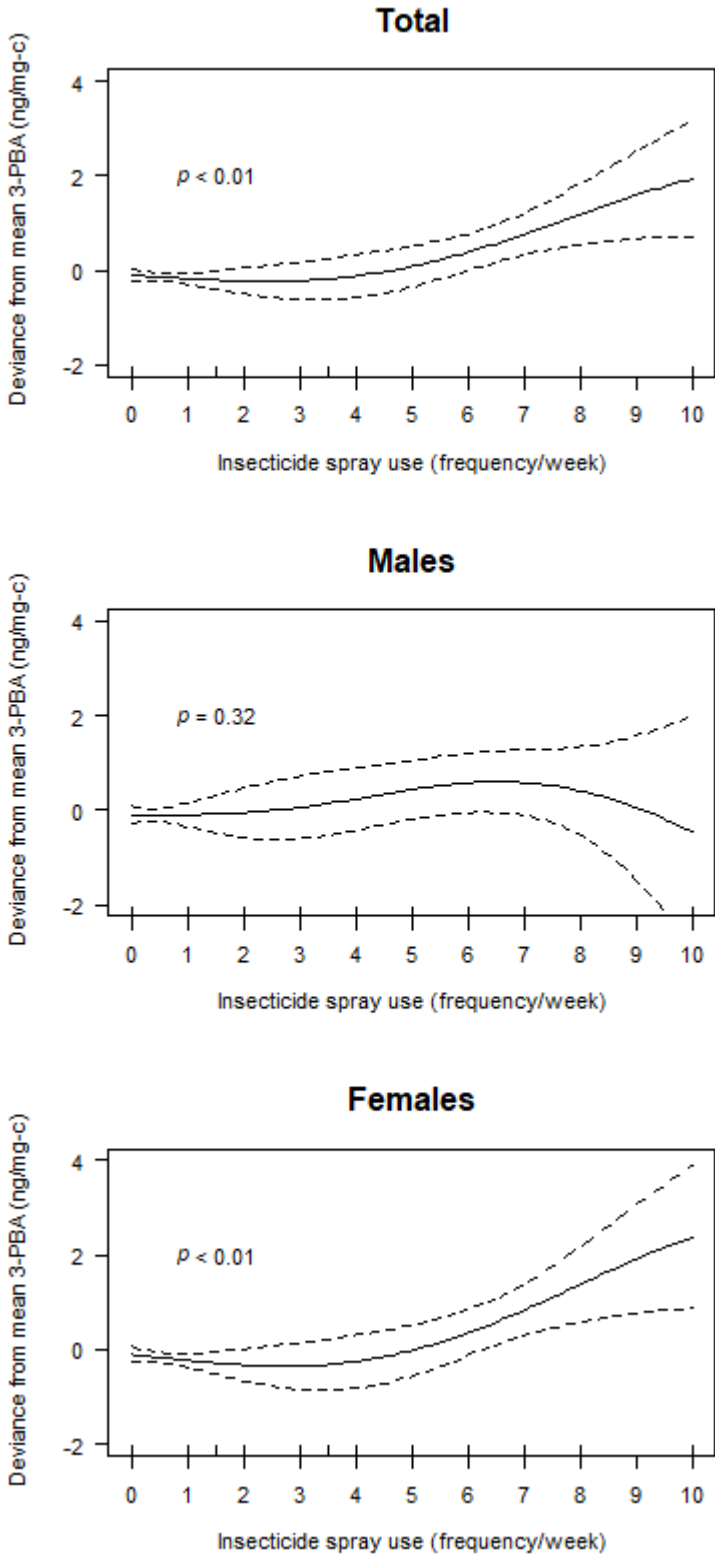
Dietary intake	Target	Observation no.	$\beta$	SE	95% CI		<i>p</i> -Value
					Lower	Upper	
Vegetables	Total	2,104	0.03	0.03	-0.03	0.09	0.34
	Males	568	0.08	0.07	-0.06	0.23	0.25
	Females	1,536	0.02	0.04	-0.05	0.09	0.65
Herbal refreshment	Total	2,108	-0.06	0.04	-0.14	0.02	0.16
	Males	570	-0.05	0.09	-0.23	0.14	0.61
	Females	1,538	-0.06	0.05	-0.15	0.03	0.20

3-PBA, 3-phenoxybenzoic acid; SE, standard error; CI, confidence interval.

**Figure A1** A penalized regression spline of insecticide spray use (frequency/week) on urinary 3-PBA level (ng/mg-c) after adjustment for sex, age, smoking status, survey episode, surveyed season, BMI, drinking status, and residence area

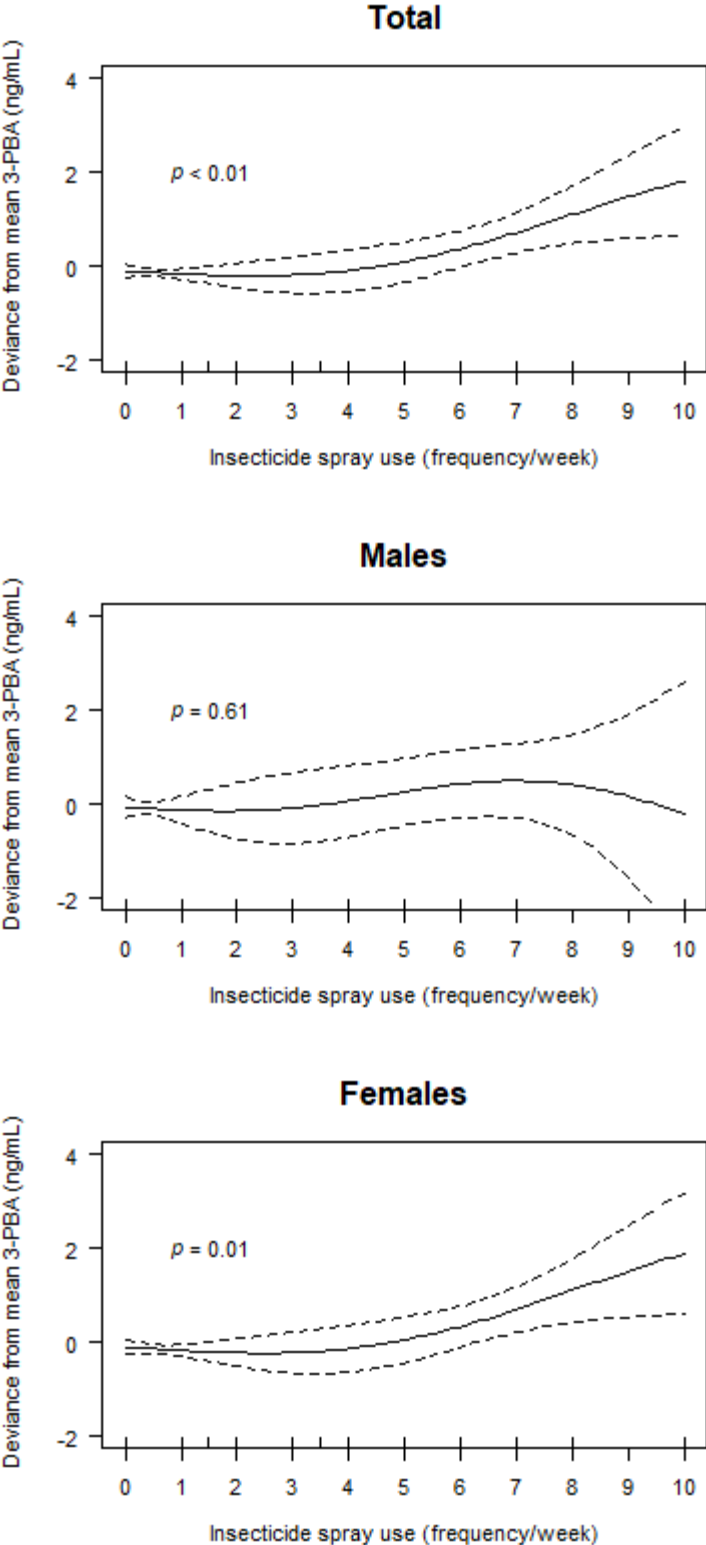


**Figure A2** A penalized regression spline of insecticide spray use (frequency/week) on urinary 3-PBA level (ng/mg-c) after adjustment for sex, age, smoking status, survey episode, surveyed season, BMI, drinking status, residence area, and potential occupational exposure





**Figure A3** A penalized regression spline of insecticide spray use (frequency/week) on urinary 3-PBA level (ng/ml) after adjustment for sex, age, smoking status, survey episode, surveyed season, and urinary creatinine level



**Figure A4** A penalized regression spline of insecticide spray use (frequency/week) on LOD-corrected 3-PBA levels (ng/mg-c) after adjustment for sex, age, smoking status, survey episode, and surveyed season

