**Supplementary Appendix**: *Exposures included in random forest model for estimating adjusted summary population attributable fractions*

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| --- | --- |
| **Grouped exposure** | **Individual exposure** |
| **Direct contact with animal** | Living on a farm |
| Visit a farm |
| Direct contact with birds |
| Direct contact with frogs |
| Direct contact with salamanders/newts |
| Direct contact with snakes |
| Direct contact with turtles |
| Direct contact with iguanas |
| Direct contact with gecko |
| Direct contact with tropical fish |
| Living with dogs having diarrhea |
| Living with cats having diarrhea |
| Visit pond or lake |
| **Exposure to chicken** | Consumption of uncooked chicken |
| Consumption of any food containing chicken |
| Consumption of chicken cooked at home |
| Consumption of chicken cooked outside home |
| **Exposure to beef** | Consumption of uncooked ground beef |
| Consumption of steak |
| Consumption of roast beef |
| Consumption of beef jerky |
| Consumption of ground beef in spaghetti sauce, tacos |
| Consumption of any hamburger |
| Consumption of burger cooked outside home |
| Consumption of burger cooked at home |
| **Exposure to dairy products** | Consumption of American cheese |
| Consumption of cheddar cheese |
| Consumption of Swiss cheese |
| Consumption of uncooked mozzarella cheese |
| Consumption of Mexican *queso fresco* |
| Consumption of cheese made from raw milk |
| Consumption of pasteurized milk |
| Consumption of unpasteurized milk |
| **Exposure to egg** | Consumption of eggs |
| Consumption of eggs cooked at home |
| Consumption of scrambled eggs at home |
| Consumption of fried eggs at home |
| Consumption of boiled eggs at home |
| Consumption of poached eggs at home |
| Consumption of eggs cooked outside home |
| Consumption of scrambled eggs outside home |
| Consumption of fried egg outside home |
| Consumption of boiled eggs outside home |
| Consumption of cookie dough with raw egg |
| Consumption of poached eggs outside home |
| **Exposure to produce** | Consumption of alfalfa sprouts |
| Consumption of uncooked tomatoes |
| Consumption of uncooked carrots |
| Consumption of uncooked celery |
| Consumption of uncooked green onions |
| Consumption of uncooked spinach |
| Consumption of cilantro |
| Consumption of cantaloupe |
| Consumption of honeydew |
| Consumption of watermelon |
| Consumption of other melon |
| Consumption of grapes |
| **Exposure to other meats** | Consumption of ham (including ham from a deli) |
| Consumption of bacon (not bacon bits) |
| Consumption of pork sausage |
| Consumption of chitterlings |
| Consumption of other pork |
| Consumption of turkey or deli turkey |
| Consumption of lamb |
| Consumption of fish |