

Web Table 1. Associations of rheumatoid arthritis with childhood residential pesticides, depending on adult use and stratified by birth cohort in the Sister Study (U.S. 2004-2009)

	1928-1944	1945-55	1956+
Residential pesticide exposures	Age-adjusted Odds Ratio (95% Confidence Interval)		
<i>Number of cases/non-cases</i>			
<i>No adult use</i>	<i>82 / 6,878</i>	<i>80 / 9,692</i>	<i>37 / 8,102</i>
No childhood use	1.0 (referent)	1.0 (referent)	1.0 (referent)
Indirect childhood use	1.6 (0.86, 3.0)	0.38 (0.95, 1.3)	1.0 (0.42, 2.4)
Direct childhood use	NC	NC	NC
<i>Any adult use</i>	<i>56 / 5,219</i>	<i>75 / 7,232</i>	<i>40 / 5,921</i>
No childhood use	1.0 (referent)	1.0 (referent)	1.0 (referent)
Indirect childhood use	1.2 (0.61, 2.2)	1.8 (1.1, 3.0)	1.3 (0.67, 2.6)
Direct childhood use	NC	3.2 (1.4, 7.3)	3.5 (1.4, 8.9)

NC=not calculated due to fewer than 4 exposed cases

Web Table 2. Associations of rheumatoid arthritis with maternal farm residence and childhood agricultural pesticides in the Sister Study (United States, 2004-2009), by birth cohort

	1928-1944	1945-55	1956+
Early life farm residence and pesticides ^a	Odds Ratios (95% Confidence Interval) ^b		
<i>Number of cases/non-cases</i>	<i>141 / 13,935</i>	<i>156 / 16,838</i>	<i>76 / 13,935</i>
<i>Maternal farm experience</i>			
No	1.0 (referent)	1.0 (referent)	1.0 (referent)
Yes	1.0 (0.60, 1.7)	0.68 (0.37, 1.2)	2.0 (1.0, 4.5)
<i>Childhood-only agricultural pesticides</i>			
No lifetime farm residence	1.0 (referent)	1.0 (referent)	1.0 (referent)
Childhood-only farm, no pesticides	1.3 (0.70, 2.3)	0.61 (0.22, 1.7)	NC
Childhood-only farm, pesticides on crops/animals	1.8 (1.0, 3.1)	2.0 (1.1, 3.6)	1.1 (0.45, 2.6)

^aExcluding those with adult farm residence

^bModel includes age, childhood pesticide use and maternal farm residence