

ATTACHMENT 1: BIBLIOGRAPHY

1. Blair A, Malke H, Cantor KP et. al. (1985). Cancer Among Farmers- A review. *Scand J Work Environ Health* 11:397- 407,1985.
2. Blair A, Zahm SH. Cancer among farmers (1991). *Occupational Medicine: State of the Art Reviews*. 3:335-354.
3. Blair A, Zahm SH, Pearce NE, Heineman EF, Fraumeni JF Jr (1992). Clues to cancer etiology from studies of farmers. *Scand J Work Environ Health* 18:209-215.
4. Alavanja MCR, Sandler DP, McMaster SB, Zahm SH, McDonnell CJ, Lynch CF, Pennybacker M, Rothman N, Dosemeci M, Bond AE, Blair A (1996). The Agricultural Health Study. *Environ Health Perspectives* 104(4):362-9.
5. Thomas PT, Busse WW, Kerkvliet N, et al (1990). Reproductive effects of pesticides. In: SR Baker and CF Wilkinson (eds.). *The Effect of Pesticides on Human Health*. Princeton, NJ: Princeton Scientific Publishing.
6. Perera F (1993). Biomarkers and molecular Epidemiology of occupationally related cancer. *J Tox Environ Health* 40:203-15.
7. Tarone RE, Alavana MC, Zahm SH, Lubin JH, Sandler DP, McMaster SB, Rothman N, Blair A (1997). The Agricultural Health Study: Factors affecting completion and return of self-administered questionnaires in a large prospective cohort study of pesticide applicators. *Ann J Ind Med* 31:233-242.
8. Alavanja, M. C., Akland, G., Baird, D., Blair, A., Bond, A., Dosemeci, M., Kamel, F., Lewis, R., Lubin, J., Lynch, C., et al. (1994). Cancer and noncancer risk to women in agriculture and pest control: the AHS. *J Occup Med*, 36(11), 1247-1250.

9. Alavanja, M. C., Sandler, D. P., McDonnell, C. J., Lynch, C. F., Pennybacker, M., Zahm, S. H., Mage, D. T., Steen, W. C., Wintersteen, W., Blair, A. (1999). Characteristics of pesticide use in a pesticide applicator cohort: the AHS. *Environ Res*, 80(2 Pt 1), 172-179.
10. Alavanja, M. C., Sandler, D. P., McMaster, S. B., Zahm, S. H., McDonnell, C. J., Lynch, C. F., Pennybacker, M., Rothman, N., Dosemeci, M., Bond, A. E., Blair, A. (1996). The AHS. *Environ Health Perspect*, 104(4), 362-369.
11. Blair A, Tarone R., Sandler D., Lynch C. F., Roland A., Wintersteen W., Steen W. C., Samanic C., Dosemeci, M., Alavanja M. C. R. (2002). Reliability of reporting on lifestyle and agricultural factors by a sample of participants in the AHS from Iowa. *Epidemiology*, 13:94-99.
12. Engel LS, Rothman N, Knott C, Lynch CF, Logsden-Sackett N, Tarone RE, Alavanja MC. (2002). Factors associated with refusal to provide a buccal cell sample in the AHS. *Cancer Epidemiol Biomarkers Prev* 11:493-496.
13. Garcia-Closas M, Egan KM, Abruzzo J, Newcomb PA, Titus-Ernstoff L, Franklin T, Bender PK, Beck JC, Le Marchand L, Lum A, Alavanja M, Hayes RB, Rutter J, Buetow K, Brinton LA, Rothman N. (2001). Collection of genomic DNA from adults in epidemiological studies by buccal cytobrush and mouthwash. *Cancer Epidemiol Biomarkers Prev* 10:687-696.

14. Hoppin J. A., Yucel F., Dosemeci M., Sandler D. P. (2002). Accuracy of self-reported pesticide use duration information from licensed pesticide applicators in the AHS. *J Expo Anal Environ Epidemiol*, 12:313-318.
15. Lynch CF, Sprince NL, Heywood E, Pierce J, Logsdon-Sackett N, Pennybacker M, Alavanja MCR. Comparison of Farmers in the Agricultural Health Study to the 1992 and 1997 Censuses of Agriculture. *Journal of Agromedicine*, (in press).
16. Tarone, R. E., Alavanja, M. C., Zahm, S. H., Lubin, J. H., Sandler, D. P., McMaster, S. B., Rothman, N., Blair, A. (1997). The AHS: factors affecting completion and return of self-administered questionnaires in a large prospective cohort study of pesticide applicators. *Am J Ind Med*, 31(2), 233-242.
17. Coble, J., Hoppin, J.A., Engel, L., Elci, C.E., Dosemeci, M., Lynch, C.F., Alavanja, M.C.R.. (2002). Prevalence of exposure to solvents, metals, grain dust and other hazards among farmers in the AHS. *Journal of Exposure Analysis and Environmental Epidemiology* 12(6):418-426.
18. Curwin, B, Sanderson, W, Reynolds, S, Hein, M, Alvanja, MCR. Pesticide Use and Practices In An Iowa Farm Family Pesticide Exposure Study. (2002). *Journal of Agricultural Safety and Health* 8(4): 423-433.
19. Dosemeci M., Alavanja M. C. R., Rowland A. S., Mage D., Zahm S. H., Rothman N., Lubin J. H., Hoppin J. A., Sandler D. P., Blair A. (2002). A semi-quantitative approach for estimating exposure to pesticides in the AHS. *Annals of Occupational Hygiene*, 46(2), 245-260.

20. Gladen, B. C., Sandler, D. P., Zahm, S. H., Kamel, F., Rowland, A. S., Alavanja, M. C. (1998). Exposure opportunities of families of farmer pesticide applicators. *Am J Ind Med*, 34(6), 581-587.
21. White KE, Hoppin JA (2004). Seed treatment and its implication for fungicide exposure assessment. *Journal of Exposure Analysis and Environmental Epidemiology*, 14(3): 195-203.
22. Samanic C, Hoppin JA, Lubin J, Blair A, Alavanja MCR. Factor analysis of pesticide use patterns among pesticide applicators in the Agricultural health Study (2004). *J Environ Epidemiol Exposure Anal* (Advance on-line publication available at www.nature.com/jea).
23. Alavanja, M. C., Sandler, D. P., McDonnell, C. J., Lynch, C. F., Pennybacker, M., Zahm, S. H., Lubin, J., Mage, D., Steen, W. C., Wintersteen, W., Blair, A. (1998). Factors associated with self-reported, pesticide-related visits to health care providers in the AHS. *Environ Health Perspect*, 106(7), 415-420.
24. Alavanja, M. C., Sandler, D. P., McDonnell, C. J., Mage, D. T., Kross, B. C., Rowland, A. S., Blair, A. (1999). Characteristics of persons who self-reported a high pesticide exposure event in the AHS. *Environ Res*, 80(2 Pt 1), 180-186.
25. Alavanja, M. C., Sprince N. L., Oliver E., Whitten P., Lynch C., Gillette P. P., Logsdan-Sacket N., Zwerling C. (2001). A nested case-control analysis of high pesticide exposure events from the AHS. *Am J Ind Med*, 39(6):557-63.

26. Keim, S. A., Alavanja, M. C. (2001). Pesticide use by persons who reported a high pesticide exposure event in the AHS. *Environ Res*, 85(3), 256-259.
27. Mage, D. T., Alavanja, M. C., Sandler, D. P., McDonnell, C. J., Kross, B., Rowland, A., Blair, A. (2000). A model for predicting the frequency of high pesticide exposure events in the AHS. *Environ Res*, 83(1), 67-71.
28. Brock, J. W., Melnyk, L. J., Caudill, S. P., Needham, L. L., Bond, A. E. (1998). Serum levels of several organochlorine pesticides in farmers correspond with dietary exposure and local use history. *Toxicol Ind Health*, 14(1-2), 275-289.
29. Geno, P. W., Camann, D. E., Harding, H. J., Villalobos, K., Lewis, R. G. (1996). Handwipe sampling and analysis procedure for the measurement of dermal contact with pesticides. *Arch Environ Contam Toxicol*, 30(1), 132-138.
30. Melnyk, L. J., Berry, M. R., Sheldon, L. S. (1997). Dietary exposure from pesticide application on farms in the Agricultural Health Pilot Study. *J Expo Anal Environ Epidemiol*, 7(1), 61-80.
31. Shealy, D. B., Barr, J. R., Ashley, D. L., Patterson, D. G., Jr., Camann, D. E., Bond, A. E. (1997). Correlation of environmental carbaryl measurements with serum and urinary 1-naphthol measurements in a farmer applicator and his family. *Environ Health Perspect*, 105(5), 510-513.
32. Shealy, D., Bonin, M., Wooten, J., Ashley, D., Needham, L., Bond, A. (1996). Application of an improved method for the analysis of pesticides and their

- metabolites in the urine of farmer applicators and their families. *Environmental International*, 22(6), 661-675.
33. Alavanja MCR, Dosemeci M, Samanic C, Lubin J, Lynch CF, Knott C, Barker J, Hoppin JA, Sandler DP, Coble J, Thomas K, and Blair A. (2004). Pesticides and Lung Cancer Risk in the AHS Cohort. *American Journal of Epidemiology*, 160: 876-885.
34. Alavanja MCR, Samanic C, Dosemeci M, Lubin J, Tarone R, Lynch CF, Knott C, Thomas K, Hoppin JA, Barker J, Coble J, Sandler DP, Blair A. (2003). Use of agricultural pesticides and prostate cancer risk in the AHS cohort. *American Journal of Epidemiology*, 157(9), 800-814.
35. Blair A, Sandler DP, Tarone R, Lubin J, Thomas K, Hoppin JA, Samanic C, Coble J, Kamel F, Knott C, Dosemeci M, Zahm SH, Lynch CF, Rothman N and Alavanja MCR. (2004). Mortality among participants in the AHS. *Annals of Epidemiology*. Published Online.
36. Bonner MR, Lee WJ, Sandler DP, Hoppin JA, Dosemeci M, Alavanja MCR. Occupational Exposure to Carbofuran and the Incidence of Cancer in the Agricultural Health Study. *Environmental Health Perspectives*, (in press).
37. De Roos AJ, Blair A, Rusiecki JA, Hoppin JA, Svec M, Dosemeci M, Sandler DP, and Alavanja MC. (2005). Cancer Incidence among Glyphosate-Exposed Pesticide Applicators in the AHS. *Environmental Health Perspectives*, 113(1): 49-54.

38. Engel L, Hill DA, Hoppin JA, Lubin JH, Lynch CF, Pierce J, Samanic C, Sandler DP, Blair A, and Alavanja MC. (2005). Pesticide Use and Breast Cancer Risk among Farmers' Wives in the AHS. *American Journal of Epidemiology*, 161: 121-135.
39. Farr SL, Cooper GS, Cai J, Savitz DA, Sandler DP. Pesticide use and menstrual cycle characteristics among premenopausal women in the AHS. (2004). *American Journal of Epidemiology*, 160(12):1194-204.
40. Flower KB, Hoppin JA, Lynch CF, Blair A, Knott C, Shore DL, Sandler DP. (2004). Cancer risk and parental pesticide application in children of AHS participants. *Environmental Health Perspectives*, 112:631-635.
41. Hoppin, JA, Umbach, DM, London, SJ, Alavanja, MCR, Sandler, DP. (2003). Animal production and wheeze in the AHS: Interactions with atopy, asthma, and smoking. *Occupational and Environmental Medicine*, 60(8):e3.
42. Hoppin J. A., Umbach D. M., London S. J., Alavanja M. C. R., Sandler D. P. (2002). Chemical predictors of wheeze among farmer pesticide applicators in the AHS. *Am J Resp Crit Care Med*, 165(5), 683-9.
43. Hoppin J. A., Umbach D. M., London S. J., Alavanja M. C. R., Sandler D. P.. (2004). Diesel exhaust and solvents are risk factors for wheeze among farmers in the AHS. *Am J Resp Crit Care Med*, Vol 169. pp 1308-1313.

44. Kamel, F., Boyes, W. K., Gladen, B. C., Rowland, A. S., Alavanja, M. C., Blair, A., Sandler, D. P. (2000). Retinal degeneration in licensed pesticide applicators. *Am J Ind Med*, 37(6), 618-628.
45. Kirrane EF, Hoppin JA, Umbach DM, Samanic C, Sandler DP. (2004). Patterns of pesticide use and their determinants among wives of farmer pesticide applicators in the AHS. *J Occup Environ Med*, 46(8):856-65.
46. Lee WJ, Blair A, Hoppin JA, Lubin JH, Rusiecki JA, Sandler DP, Dosemeci M, Alavanja MC. (2004). Cancer incidence among pesticide applicators exposed to chlorpyrifos in the AHS. *Journal of the National Cancer Institute*, 96(23):1781-9.
47. Lee WJ, Hoppin JA, Blair A, Lubin JH, Dosemeci M, Sandler DP, Alavanja MCR. (2004). Cancer incidence among pesticide applicators exposed to alachlor in the AHS. *American Journal of Epidemiology*, 159: 373-380.
48. Martin SA Jr, Harlow SD, Sowers MF, Longnecker MP, Garabrant D, Shore DL, Sandler DP. (2002). DDT metabolite and androgens in African-American farmers. *Epidemiology* 13(4):454-8.
49. Martin S. A., Sandler D. P., Harlow S. D., Shore D. L., Rowland A. S., Alavanja M. C. R. (2002). Pesticide exposure and pesticide-related symptoms among black farmers in the AHS. *American Journal of Ind Med*, 41:202-209.

50. Rowland A. S., Baird D. D., Long S., Wegienka G., Harlow S. D., Alavanja A, Sandler D. P. (2002). Influence of Medical Conditions and Lifestyle Factors on the Menstrual Cycle. *Epidemiology* 13(6): 668-674.
51. Rusiecki JA, De Roos A, Lee WJ, Dosemeci M, Lubin JH, Hoppin JA, Blair A, Alavanja MCR. (2004). Cancer incidence among pesticide applicators exposed to Atrazine in the AHS. *Journal of the National Cancer Institute*, 96(18): 1375-1382.
52. Sprince NL, Zwerling C, Lynch CF, Whitten PS, Thu K, Logsden-Sackett N, Burmeister LF, Sandler DP, Alavanja MCR. (2003). Risk factors for agricultural injury: a case-control analysis of Iowa farmers in the AHS. *Journal of Agricultural Safety and Health* 9(1):5-18.
53. Sprince NL, Park H, Zwerling C, Lynch CF, Whitten PS, Thu K, Burmeister LF, Gillette PP, Alavanja MCR. (2003). Risk factors for animal-related injury among Iowa livestock farmers: a case-control study nested in the AHS. *The Journal of Rural Health* 19(2):165-173.
54. Sprince NL, Park H, Zwerling C, Lynch CF, Whitten PA, Thu K, Gillette PP, Burmeister LF, Alavanja MCR. (2002). Risk factors for machinery-related injury among Iowa livestock farmers: a case-control study nested in the AHS. *International Journal of Occupational and Environmental Health* 8:332-338.
55. Sprince NL, Zwerling C, Lynch CF, Whitten PA, Thu K, Gillette PP, Burmeister LF, Alavanja MCR. (2003). Risk factors for falls among Iowa farmers: a case-control study nested in the AHS. *American Journal of Industrial Medicine*, 44:265-272.

56. Keating, G. A., Sinha, R., Layton, D., Salmon, C. P., Knize, M. G., Bogen, K. T., Lynch, C. F., Alavanja, M. (2000). Comparison of heterocyclic amine levels in home-cooked meats with exposure indicators (United States). *Cancer Causes Control*, 11(8), 731-739.
57. Alavanja MC, Ward MH, Reynolds P. (2007). Carcinogenicity of Agricultural Pesticides in Adults and Children. *Journal of Agromedicine*, 12(1):39-56.
58. Alavanja MCR, Bonner MR, Furlong CE, Allen R, and Hodgson E. (2005). The Agricultural Health Study Biomarker Workshop on Cancer Etiology: Discussions and Conclusions. *Journal of Biochemical and Molecular Toxicology*, 19 (3): 192-193.
59. Alavanja MCR, Sandler DP, Lynch CF, Knott C, Lubin JH, Tarone R, Thomas K, Dosemeci M, Barker J, Hoppin JA, Blair A. (2005). Cancer Incidence in the Agricultural Health Study. *Scand J Work Environ Health*, 31 (S1): 39–45.
60. Bakke B, De Roos AJ, Barr DB, Stewart PA, Blair A, Freeman LB, Lynch CF, Allen RH, Alavanja MC, Vermeulen R. (2008). Exposure to atrazine and selected non-persistent pesticides among corn farmers during a growing season. *J Expo Sci Environ Epidemiol*. Dec 3. [Epub ahead of print]
61. Beane Freeman LE, Bonner MR, Blair A, Hoppin JA, Sandler DP, Lubin JH, Dosemeci M, Lynch CF, Knott C, and Alavanja MCR. (2005). Cancer Incidence among Male Pesticide Applicators in the Agricultural Health Study Cohort Exposed to Diazinon. *American Journal of Epidemiology*, 162 (11): 1070-9.
62. Bell EM, Sandler DP, and Alavanja MC. (2006) High pesticide exposure events among farmers and spouses enrolled in the Agricultural Health Study. *Journal of Agricultural Safety and Health*, 12(2): 101-116.

63. Beseler CL, Stallones L, Hoppin JA, Alavanja MC, Blair A, Keefe T, Kamel F. (2006) Depression and pesticide exposures in female spouses of licensed pesticide applicators in the Agricultural Health Study cohort. *J Occup Environ Med.* 48(10): 1005-1013.
64. Blair A, Sandler D, Thomas K, Hoppin J, Kamel F, Coble J, Lee W, Rusiecki J, Knott C, Dosemeci M, Lynch CF, Lubin J, Alavanja M. (2005). Disease and Injury Among Participants in the Agricultural Health Study. *Journal of Agricultural Safety and Health*, 11(2): 141-150.
65. Blair A, Sandler DP, Tarone R, Lubin J, Thomas K, Hoppin JA, Samanic C, Coble J, Kamel F, Knott C, Dosemeci M, Zahm SH, Lynch CF, Rothman N and Alavanja MCR. (2005). Mortality among participants in the Agricultural Health Study. *Annals of Epidemiology*, 15(4): 279-285.
66. Bonner MR, and Alavanja MCR. (2005). The Agricultural Health Study Biomarker Workshop on Cancer Etiology Introduction: Overview of Study Design, Results, and Goals of the Workshop. *Journal of Biochemical and Molecular Toxicology*, 19 (3): 169-171.
67. Bonner MR, Coble J, Blair A, Beane Freeman LE, Hoppin JA, Sandler DP, and Alavanja MCR. (2007). Malathion Exposure and the Incidence of Cancer in the Agricultural Health Study. *American Journal of Epidemiology*. [E-pub ahead of print].
68. Bonner MR, Williams BA, Rusiecki JA, Blair A, Beane Freeman LE, Hoppin JA, Dosemeci M, Lubin J, Sandler DP, Alavanja MC. (2010). [Occupational exposure to](#)

- [terbufos and the incidence of cancer in the Agricultural Health Study.](#) *Cancer Causes Control*. 2010 Feb 13. [Epub ahead of print]
69. Christensen CH, Platz EA, Andreotti G, Blair A, Hoppin JA, Koutros S, Lynch CF, Sandler DP, Alavanja MC.(2010). Coumaphos exposure and incident cancer among male participants in the Agricultural Health Study (AHS). *Environ Health Perspect*. 2010 Jan;118(1):92-6.
70. Coble J, Arbuckle T, Lee W, Alavanja M, Dosemeci M. (2005). The Validation of a Pesticide Exposure Algorithm Using Biological Monitoring Results. *Journal of Occupational and Environmental Hygiene*, 2: 194-201.
71. Cooper G.S., Martin S.A., Longnecker M.P., Sandler D.P., and Germolec D.R. (2004) Associations between Plasma DDE Levels and Immunologic Measures in African-American Farmers in North Carolina. *Environmental Health Perspectives*; 112 (10): 1080-1084.
72. Crawford JM, Hoppin JA, Alavanja MC, Blair A, Sandler DP, Kamel F. (2008) Hearing Loss Among Licensed Pesticide Applicators in the Agricultural Health Study. *Journal of Occup Environ Med*. Jul;50(7):817-826.
73. Curwin BD, Hein MJ, Sanderson WT, Barr DB, Heederik D, Reynolds SJ, Ward EM, and Alavanja MC. (2005). Urinary and hand wipe pesticide levels among farmers and nonfarmers in Iowa. *Journal of Exposure Analysis and Environmental Epidemiology*, 15(6): 500-508.

74. Curwin BD, Hein MJ, Sanderson WT, Nishioka MG, Reynolds SJ, Ward EM, and Alavanja MC. (2005). Pesticide contamination inside farm and nonfarm homes. *Journal of Occupational and Environmental Hygiene* 2:357-367.
75. Curwin BD, Hein MJ, Sanderson WT, Striley C, Heederik R, Kromhout H, Reynolds SJ, Alavanja MC. (2007). Urinary pesticide concentrations among children, mothers and fathers living in farm and non-farm households in Iowa. *Annals of Occupational Hygiene*, 51(1): 53–65.
76. Curwin BD, Hein MJ, Sanderson WT, Striley C, Heederik R, Kromhout H, Reynolds SJ, Alavanja MC. (2007). Pesticide dose estimates for children of Iowa farmers and non-farmers. *Environmental Research*, 105(3):307-315.
77. De Roos AJ, Cooper GS, Alavanja MC, Sandler DP. (2005). Rheumatoid Arthritis Among Women in the Agricultural Health Study: Risk Associated with Farming Activities and Exposures. *Annals of Epidemiology*, 15 (10): 762-770.
78. De Roos AJ, Cooper GS, Alavanja MC, Sandler DP. (2008) Personal and family medical history correlates of rheumatoid arthritis. *Annals of Epidemiology*, Jun;18(6):433-9.
79. Dennis LK, Lowe JB, Lynch C, Alavanja M. (2008). Cutaneous melanoma and obesity in the Agricultural Health Study. *Annals of Epidemiology*, 18(3):214-21.
80. Dennis LK, Lynch CF, Sandler DP, Alavanja MC. (2010). Pesticide use and cutaneous melanoma in pesticide applicators in the Agricultural Health Study. *Environ Health Perspect*. 2010 Feb 17. [Epub ahead of print]
81. Dosemeci M., Alavanja M. C. R., Rowland A. S., Mage D., Zahm S. H., Rothman N., Lubin J. H., Hoppin J. A., Sandler D. P., Blair A. (2002). A quantitative approach for

- estimating exposure to pesticides in the Agricultural Health Study. *Annals of Occupational Hygiene*, 46(2), 245-260.
82. Engel L, Hill DA, Hoppin JA, Lubin JH, Lynch CF, Pierce J, Samanic C, Sandler DP, Blair A, and Alavanja MC. (2005). Pesticide Use and Breast Cancer Risk among Farmers' Wives in the Agricultural Health Study. *American Journal of Epidemiology*, 161: 121-135.
83. Engel LS, Rothman N, Knott C, Lynch CF, Logsden-Sackett N, Tarone RE, Alavanja MC. (2002). Factors associated with refusal to provide a buccal cell sample in the Agricultural Health Study. *Cancer Epidemiol Biomarkers Prev* 11:493-496.
84. Farr SL, Cai J, Savitz DA, Sandler DP, Hoppin JA, and Cooper GS. (2006) Pesticide exposure and timing of menopause: the Agricultural Health Study. *American Journal of Epidemiology*. 163(8):731-742..
85. Flower KB, Hoppin JA, Lynch CF, Blair A, Knott C, Shore DL, Sandler DP. (2004). Cancer risk and parental pesticide application in children of Agricultural Health Study participants. *Environmental Health Perspectives*, 112:631-635.
86. Flower KB, Hoppin JA, Shore DL, Lynch CF, Blair A, Knott C, Alavanja MCR, Sandler D. (2006). Causes of mortality and risk factors for injury mortality among children in the Agricultural Health Study. *Journal of Agromedicine*,11(3/4): 47-59.
87. Gardner M, Spruill-McCombs M, Beach J, Michael L, Thomas K, Helburn RS. (2005) Quantification of 2,4-D on solid-phase exposure sampling media by LC-MS-MS. *Journal of Analytical Toxicology* 29(3):88-192. [Abstract]

88. Gray, GC, McCarthy T, Capuano AW, Setterquist SF, Olsen CW, Alavanja MC, Lynch CF. (2007). Swine workers and swine influenza virus infections. *Emerging Infectious Diseases*, 13(12):1871-1878.
89. Greenburg DL, Rusiecki J, Koutros S, Dosemeci M, Patel R, Hines CJ, Hoppin JA, Alavanja MC. (2008) Cancer Incidence Among Pesticide Applicators Exposed to Captan in the Agricultural Health Study. *Cancer Causes Control*, Dec;19(10): 1401-7.
90. Hines CJ, Deddens JA, Coble J, Alavanja MCR. (2007) Fungicide application practices and personal protective equipment use among orchard farmers in the Agricultural Health Study. *Journal of Agricultural Safety and Health* 13(2): 205- 223.
91. Hines CJ, Deddens JA, Jaycox LB, Andrews RM, Striley CAF, Alavanja MC. (2008). Captan exposure and evaluation of a pesticide exposure algorithm among orchard pesticide applicators in the Agricultural Health Study. *Annals of Occupational Hygiene*, 52(3): 153–166.
92. Hoppin JA, Umbach DM, Kullman GJ, Henneberger PK, London SJ, Alavanja MC, Sandler DP. (2007) Pesticides and other Agricultural Factors Associated with Self-reported Farmer's Lung among Farm Residents in the Agricultural Health Study. *Occupational and Environmental Medicine*. 64:334-342.
93. Hoppin JA, Umbach DM, London SJ, Henneberger PK, Kullman GJ, Alavanja MC, Sandler DP. (2007) Pesticides and atopic and non-atopic asthma among farm women in the Agricultural Health Study. *American Journal of Respiratory and Critical Care Medicine*. Jan 1;177(1):11-8.

94. Hoppin JA, Umbach DM, London SJ, Lynch CL, Alavanja MC, Sandler DP. (2006). Pesticides and Adult Respiratory Outcomes in the Agricultural Health Study. *Ann. New York Academy of Sciences*. 1076:343-354.
95. Hoppin JA, Umbach DM, London SJ, Lynch CL, Alavanja MCR, and Sandler DP. (2006) Pesticides associated with Wheeze among Commercial Pesticide Applicators in the Agricultural Health Study. *American Journal of Epidemiology*, 163(12):1129-1137.
96. Hoppin JA, Valcin M, Henneberger PK, Kullman GJ, Umbach DM, London SJ, Alavanja MC, Sandler DP. (2007). Pesticide use and chronic bronchitis among farmers in the agricultural health study. *Am J Ind Med*, 50(12):969-979.
97. Hoppin JA. (2005) Integrating exposure measurements into epidemiologic studies in agriculture. *Scandinavian Journal of Work, Environment & Health* 31 Suppl 1:115-117; discussion 63-65.
98. Hou L, Lee WJ, Rusiecki JA, Hoppin JA, Blair A, Bonner MR, Lubin JH, Samanic C, Sandler DP, Dosemeci M, and Alavanja MC. (2006) Pendimethalin exposure and cancer incidence among pesticide applicators. *Epidemiology*, 17(3): 1-6.
99. Kamel F, Engel LS, Gladen BC, Hoppin JA, Alavanja MCR, and Sandler DP. (2005). Neurologic Symptoms in Licensed Private Pesticide Applicators in the Agricultural Health Study. *Environmental Health Perspectives*: 113(7), 877-882.
100. Kamel F, Engel LS, Gladen BC, Hoppin JA, Alavanja MCR, and Sandler DP. (2007). Neurologic symptoms in licensed pesticide applicators in the Agricultural Health Study. *Hum Exp Toxicol*, 26(3):243-50.

101. Kamel F, Tanner CM, Umbach DM, Hoppin JA, Alavanja MC, Blair A, Comyns K, Goldman SM, Korell M, Langston JW, Ross GW, Sandler DP. (2006) Pesticide exposure and self-reported Parkinson's disease in the Agricultural Health Study. *American Journal of Epidemiology*. 165(4):364-374.
102. Kang D, Park SK, Beane Freeman L, Lynch CF, Knott CE, Sandler DP, Hoppin JA, Docemeci M, Coble J, Lubin J, Blair A. (2008). Cancer Incidence Among Pesticide Applicators Exposed to Trifluralin in the Agricultural Health Study. *Environmental Research*, Jun;107(2):271-6.
103. Kirrane EF, Hoppin JA, Kamel F, Umbach DM, Boyes WK, DeRoos AJ, Alavanja M, Sandler DP. (2005). Retinal Degeneration and Other Eye Disorders in Wives of Farmer Pesticide Applicators Enrolled in the Agricultural Health Study. *American Journal of Epidemiology*: 161(11), 1020-1029.
104. Koutros S, Cross AJ, Sandler DP, Hoppin JA, Ma X, Zheng T, Alavanja MC, Sinha R. (2008) Meat and meat mutagens and risk of prostate cancer in the agricultural health study. *Cancer Epidemiol Biomarkers Prev*. Jan;17(1):80-7.
105. Koutros S, Mahajan R, Zheng T, Hoppin JA, Ma X, Lynch CF, Blair A, Alavanja MC. (2007). Dichlorvos exposure and human cancer risk: results from the *Agricultural Health Study*. *Cancer Causes Control* [Epub ahead of print]
106. Lee WJ, Alavanja MCR, Hoppin JA, Rusiecki JA, Kamel F, Blair A, Sandler DP. (2007) Mortality among Pesticide Applicators Exposed to Chlorpyrifos in the Agricultural Health Study. *Environmental Health Perspectives*, 115(4): 528-534.

107. Lee WJ, Sandler DP, Blair A, Samanic C, Cross AJ, and Alavanja MCR. (2007) Pesticide use and colorectal cancer risk in the Agricultural Health Study. *Int J. Cancer*: 121, 339-346.
108. Lynch SM, Rusiecki JA, Blair A, Dosemeci M, Lubin J, Sandler DP, Hoppin JA, Lynch CF, Alavanja MCR. (2006) Cancer incidence among pesticide applicators exposed to cyanazine in the Agricultural Health Study. *Environmental Health Perspectives*, 114(8):1248-1252.
109. MacLehose RF, Dunson DB, Herring AH, Hoppin JA. (2007) Bayesian Methods for Highly Correlated Exposure Data. *Epidemiology* 18(2):199-207.
110. Mahajan R, Blair A, Coble J, Lynch CF, Hoppin JA, Sandler DP, Alavanja MC. (2007). Carbaryl exposure and incident cancer in the Agricultural Health Study. *Int J Cancer*, 121(8):1799-805.
111. Mahajan R, Blair A, Lynch CF, Schroeder P, Hoppin JA, Sandler DP, Alavanja MCR. (2006) Fonofos Exposure and Cancer Incidence in the Agricultural Health Study. *Environmental Health Perspectives*, 114:1838-1842.
112. Mahajan R, Bonner MR, Hoppin JA, Alavanja MCR. (2006) Phorate exposure and incidence of cancer in the Agricultural Health Study. *Environmental Health Perspectives*, 114(8):1205-1209.
113. Melnyk, L. J., Berry, M. R., Sheldon, L. S. (1997). Dietary exposure from pesticide application on farms in the Agricultural Health Pilot Study. *J Expo Anal Environ Epidemiol*, 7(1), 61-80. abstract
114. Montgomery MP, Kamel F, Hoppin JA, Freeman LE, Alavanja MC, Sandler DP. (2009). Effects of self-reported health conditions and pesticide exposures on

- probability of follow-up in a prospective cohort study. *Am J Ind Med.* 2009 Dec 16.
[Epub ahead of print]
115. Montgomery MP, Kamel F, Saldana TM, Alavanja MC, Sandler DP. (2008). Incident Diabetes and Pesticide Exposure Among Licensed Pesticide Applicators: Agricultural Health Study, 1993-2003. *American Journal of Epidemiology*, May 15;167(10):1235-46.
116. Mozzachio AM, Rusiecki JA, Hoppin JA, Mahajan R, Patel R, Beane Freeman L, Alavanja, CR. (2008) Chlorothalonil Exposure and Cancer Incidence Among Pesticide Applicator Participants in the Agricultural Health Study. *Environmental Research*, Nov;108(3):400-3.
117. Andreotti G, Freeman LE, Hou L, Coble J, Rusiecki J, Hoppin JA, Silverman DT, Alavanja MC. (2009). Agricultural pesticide use and pancreatic cancer risk in the Agricultural Health Study Cohort. *Int J Cancer*. May 15;124(10):2495-500.
118. Beseler CL, Stallones L, Hoppin JA, Alavanja MC, Blair A, Keefe T, Kamel F. (2008). Depression and pesticide exposures among private pesticide applicators enrolled in the Agricultural Health Study. *Environ Health Perspect*. Dec;116(12):1713-9. Epub 2008 Sep 9.
119. Delancey JO, Alavanja MC, Coble J, Blair A, Hoppin JA, Austin HD, Beane Freeman LE. (2009). Occupational exposure to metribuzin and the incidence of cancer in the Agricultural Health Study. *Annals of Epidemiology*. Jun;19 (6):388-95. Epub 2009 Apr 15.
120. Hoppin JA, Umbach DM, London SJ, Henneberger PK, Kullman GJ, Coble J, Alavanja MC, Beane Freeman LE, Sandler DP. (2009). Pesticide use and adult-onset

- asthma among male farmers in the Agricultural Health Study. *European Respiratory Journal*. June 18. [Epub ahead of print]
121. Koutros S, Berndt SI, Sinha R, Ma X, Chatterjee N, Alavanja MC, Zheng T, Huang WY, Hayes RB, Cross AJ. (2009). Xenobiotic metabolizing gene variants, dietary heterocyclic amine intake, and risk of prostate cancer. *Cancer Res*. Mar 1;69(5):1877-84. Epub 2009 Feb 17.
122. Koutros S, Lynch CF, Ma X, Lee WJ, Hoppin JA, Christensen CH, Andreotti G, Freeman LB, Rusiecki JA, Hou L, Sandler DP, Alavanja MC. (2009). Heterocyclic aromatic amine pesticide use and human cancer risk: results from the U.S. Agricultural Health Study. *Int J Cancer*. Mar 1;124(5):1206-12.
123. Landgren O, Kyle RA, Hoppin JA, Beane Freeman LE, Cerhan JR, Katzmann JA, Rajkumar SV, Alavanja MC. (2009). Pesticide exposure and risk of monoclonal gammopathy of undetermined significance in the Agricultural Health Study. *Blood*. Jun 18;113 (25):6386-91. Epub 2009 Apr 22.
124. Lynch SM, Mahajan R, Beane Freeman LE, Hoppin JA, Alavanja MC. (2009). Cancer incidence among pesticide applicators exposed to butylate in the Agricultural Health Study (AHS). *Environ Res*. 2009 Jul 15. [Epub ahead of print]
125. Mills KT, Blair A, Beane Freeman LE, Sandler DP, Hoppin JA. (2009). Pesticides and Myocardial Infarction Incidence and Mortality Among Male Pesticide Applicators in the Agricultural Health Study. *American Journal of Epidemiology*. Aug 21. [Epub ahead of print].
126. Park SK, Kang D, Beane-Freeman L, Blair A, Hoppin JA, Sandler DP, Lynch CF, Knott C, Gwak J, Alavanja M. (2009). Cancer incidence among paraquat exposed

- applicators in the agricultural health study: prospective cohort study. *Int J Occup Environ Health*. 2009 Jul-Sep;15(3):274-81.
127. Rusiecki JA, Patel R, Koutros S, Beane-Freeman L, Landgren O, Bonner MR, Coble J, Lubin J, Blair A, Hoppin JA, Alavanja MC. (2009). Cancer incidence among pesticide applicators exposed to permethrin in the Agricultural Health Study. *Environmental Health Perspectives*. Apr;117 (4):581-6. Epub 2008 Nov 10.
128. Slager RE Phd, Poole JA Md, Levan TD Phd, Sandler DP, Alavanja MC, Hoppin JA. (2009). Rhinitis Associated with Pesticide Exposure among Commercial Pesticide Applicators in the Agricultural Health Study. *Occup Environ Med*, Mar 15. [Epub ahead of print]
129. Thomas KW, Dosemeci M, Hoppin JA, Sheldon LS, Croghan CW, Gordon SM, Jones ML, Reynolds SJ, Raymer JH, Akland GG, Lynch CF, Knott CE, Sandler DP, Blair AE, Alavanja MC. (2009). Urinary biomarker, dermal, and air measurement results for 2,4-D and chlorpyrifos farm applicators in the Agricultural Health Study. *J Expo Sci Environ Epidemiol*. Feb 25. [Epub ahead of print]
130. Purdue MP, Hoppin JA, Blair A, Dosemeci M, Alavanja MC. (2007) Occupational exposure to organochlorine insecticides and cancer incidence in the Agricultural Health Study. *International Journal of Cancer*, 120(3): 642-649.
131. Rusiecki JA, Hou L, Lee WJ, Blair A, Dosemeci M, Lubin JH, Bonner MR, Samanic C, Hoppin JA, Sandler DP, and Alavanja MC. (2006) Cancer incidence among pesticide applicators exposed to metolachlor in the Agricultural Health Study. *International Journal of Cancer* (in press).

132. Saldana TM, Basso O, Baird DD, Hoppin JA, Weinberg CR, Blair A, Alavanja MC, Sandler DP (2009). Pesticide exposure and hypertensive disorders during pregnancy. *Environ Health Perspect.* Sep;117(9):1393-6. Epub 2009 Jun 4
133. Saldana TM, Basso O, Hoppin JA, Baird DD, Knott C, Blair A, Alavanja MC, Sandler DP. (2007) Pesticide exposure and self-reported gestational diabetes mellitus in the Agricultural Health Study, *Diabetes Care.* 30(3): 529-534.
134. Sallmén M, Baird DD, Hoppin JA, Blair A, Sandler DP. (2006) Fertility and exposure to solvents among families in the Agricultural Health Study. *Occupational and Environmental Medicine* 63:469-475.
135. Sallmén M, Sandler DP, Hoppin JA, Blair A, Baird DD. (2006) Reduced fertility among overweight and obese men. *Epidemiology*, 17: 520–523.
136. Samanic C, Hoppin JA, Lubin JH, Blair A, Alavanja MCR. (2005). Factor Analysis of pesticide use patterns among pesticide applicators in the Agricultural Health Study. *Journal of Exposure Analysis and Environmental Epidemiology*: 15 (3), 225-233.
137. Samanic C, Rusiecki JA, Dosemeci M, Hou L, Hoppin JA, Sandler DP, Lubin J, Blair A, Alavanja MCR. (2006) Cancer incidence among applicators exposed to dicamba in the Agricultural Health Study. *Environmental Health Perspectives*, 114:1521-1526.
138. Sprince NL, Park H, Zwerling C, Whitten PA, Lynch CF, Burmeister LF, Thu K, Gillette PP, Alavanja MCR. (2007). Risk Factors for Low Back Injury Among Farmers in Iowa: A Case-Control Study Nested in the Agricultural Health Study . *Journal of Occupational and Environmental Hygiene* 4:10-16.

139. Sprince NL, Zwerling C, Whitten PS, Lynch CF, Burmeister LF, Gillette PP, Thu K, Alavanja MC. (2008). Farm activities associated with eye injuries in the Agricultural Health Study. *Journal of Agromedicine*. 2008;13(1):17-22.
140. Tarone, R. E., Alavanja, M. C., Zahm, S. H., Lubin, J. H., Sandler, D. P., McMaster, S. B., Rothman, N., Blair, A. (1997). The Agricultural Health Study: factors affecting completion and return of self-administered questionnaires in a large prospective cohort study of pesticide applicators. *Am J Ind Med*, 31(2), 233-242.
141. Thomas KW, Dosemeci M, Coble JB, Hoppin JA, Sheldon LS, Chapa G, Croghan CW, Jones PA, Knott CE, Lynch CF, Sandler DP, Blair AE, Alavanja MC. (2009). Assessment of a pesticide exposure intensity algorithm in the agricultural health study. *J Expo Sci Environ Epidemiol*. 2009 Nov 4. [Epub ahead of print]
142. Valcin M, Henneberger PK, Kullman GJ, Umbach DM, London SJ, Alavanja MCR, Sandler DP, Hoppin JA . (2007). Chronic bronchitis among non-smoking farm women in the Agricultural Health Study. *Journal of Occupational and Environmental Medicine*, 49(5): 574-583.
143. van Bemmelen DM, Visvanathan K, Beane Freeman LE, Coble J, Hoppin JA, Alavanja MC. (2008). S-ethyl-N,N-dipropylthiocarbamate exposure and cancer incidence among male pesticide applicators in the agricultural health study: a prospective cohort. *Environ Health Perspectives*, Nov;116(11):1541-6.
144. Vermeulen R, De Roos AJ, Bakke B, Blair A, Hildesheim A, Pinto L, Gillette PP, Lynch CF, Allen RH, and Alavanja MC. (2005). A Study on Immunological Responses to Exposures Encountered in Corn Farming. *Journal of Biochemical and Molecular Toxicology*, 19 (3): 172.

145. White KE, Hoppin JA (2004). Seed treatment and its implication for fungicide exposure assessment. *Journal of Exposure Analysis and Environmental Epidemiology*, 14(3): 195-203.