

MARK RICHARD CULLEN, M.D.

Curriculum Vitae

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Education:

Central High School, Philadelphia, PA., 1967, Valedictorian
Harvard College, 1967-71, A.B. with Honors 1971; Major: Philosophy & Physics
Yale University School of Medicine, 1972-76, M.D., with Honors 1976
Residency in Internal Medicine, Yale-New Haven Hospital, 1976-79
Chief Resident, Outpatient Department, Yale-New Haven Hospital, 1979-1980

Prizes & Awards:

Westinghouse (now Intel) National Science Talent Search, Fifth Place, 1967
Perkins Prize for Highest Achievement in Pre-Clinical Sciences, 1974
Campbell Prize for Highest Grade in Medical School, 1976
AOA, elected 1976
Henry J. Kaiser Family Foundation Faculty Scholar in General Internal Medicine, 1983-1988
Member, Institute of Medicine (of the National Research Council) Elected, 1997
Member, Connecticut Academy of Science & Engineering, Elected, 2002
Harriet Hardy Award, New England College of Occupational and Environmental Medicine, 2007

Work Experience:

Director, Stanford Center for Population Health Sciences, 2015-
Chief, Division of General Medicine, Stanford School of Medicine, 2009-2105
Professor of Medicine, Stanford University School of Medicine, 2009-
Professor of Medicine and Public Health, Yale University School of Medicine, 1993-2009
Associate Professor of Medicine and Epidemiology, Yale University School of Medicine 1985-
1993
Assistant Professor of Medicine, Yale University School of Medicine, 1980-1985
Director, Yale Occupational and Environmental Medicine Program, 1980-2009

Advisory Positions:

Medical Consultant, International Chemical Workers Union, 1981-Present
Member, Scientific Advisory Panel - Semiconductor Industry Association Directors Task Force
on Health and Safety, 1987-1993, 1999-2002
Member, NIH Study Section (OH), 1988-1991
Member, UAW/General Motors Occupational Health Advisory Board, 1988-1994
Member, Department of Energy Secretarial Panel for the Evaluation of Epidemiologic Research
Activities, 1989-1990
Member, Pretest Committee, American Board of Internal Medicine, 1989-1990

Member, Scientific Advisory Committee to University of Iowa Persian Gulf War Veterans Study, 1994-1997
Member, NIOSH Board of Scientific Counselors 1995-1999
Member, DuPont Epidemiology Advisory Board, 1996-current
Member, MacArthur Foundation Network on SES and Health, 1996-2009
Member, Institute of Medicine Board on Health Sciences Policy, 1996-2003
Senior Medical Advisor, Alcoa Inc., 1997-current
Member, Steering Committee NAS Workshop on Musculoskeletal Injuries, 1998, 1999-2001
Member, IOM Committee on Educating Public Health Professionals, 2000-2003
Member, NRC Committee on Human Bio-monitoring, 2005-2006
Member, NRC Committee on Health, Environmental and Other External Costs & Benefits of Energy Production 2008-2009
Member NRC Report Review Committee (RRC) 2010 – 2016
Faculty Research Fellow, National Bureau of Economics Research 2010 -
Affiliate Faculty Member, Woods Institute (Stanford) 2011 –
Apple Academic Advisory Board 2012-

Board Certifications:

American Board of Internal Medicine, 1979
Certified B-Reader (NIOSH), 1982; re-certified 1986
American Board of Preventive Medicine - Occupational Medicine, Specialty, 1986

Area of Research Interest

Occupational and environmental medicine; Social disparities in health

Editorial Boards:

American Journal of Industrial Medicine, Assistant Editor
BMC Public Health, Section Editor

Grants and Contracts: Funding, 1979— present

Curriculum Development Award in Occupational/Environmental Medicine, 1 D31 PE -1103, 1979-1981, Project Director; RH Gifford, Principal Investigator
Occupational Health Medical Technical Resource, subcontract of DOL Grant EAF 9D314, 1979-1981; Principal Investigator
Effect of Lead Intoxication on Neuroendocrine and Reproductive Function, March of Dimes #15 -3; 1980-1984; Principal Investigator
Health Hazard Evaluation Medical Consultative Services, NIOSH Cooperative Agreement 210 – 81 - 5017, 1980-1983; Principal Investigator
Henry J. Kaiser Family Foundation Faculty Scholar Award, 1983-1988; Principal Investigator
Epithelial Surface Proteins: Markers of Cancer Risk, R01 OH02114, 1985-1989; Co-investigator (WW Merrill, Principal Investigator)
New Approach to the Prevention of Occupational Related Disease, Charles A Dana Foundation, 1985-1989; Principal Investigator
Chemoprevention Trial of Efficacy of Beta-Carotene/Retinol in Populations at High Risk for Lung Cancer, NCI 1 RO1 CA48200 -01, 1988-1994; Principal Investigator

Connecticut Road Industry Surveillance Project, NIOSH U60/CCV106170, 1990-1996; Principal Investigator
Academic Award in Environmental/Occupational Medicine, NIEHS 1KO7 ES00227, 1991-1996; Principal Investigator
Biomarkers of Disease and Vitamin A in Asbestos Workers, NCI R01 CA/OH68148, 1995-1997; Co-Investigator
Chemoprevention Trial of Efficacy of Beta-Carotene/Retinol in Populations at High Risk for Lung Cancer, NCI 2UOI CA48200, 1994-1999; Principal Investigator
Pathogenesis of Isocyanate Asthma, (Asthma SCOR, NHLBI), 1996-2001; PI Clinical Core, Co-Investigator, Project #6
Isocyanate Dermal Exposures in Autobody Shops. NIOSH, 1 R01 OH03727-01, 1998-2001, Principal Investigator
Epidemiologic Study of Isocyanate Asthma in Autobody Shops, NIOSH 1 R01 OH0347, 1997-2002, Principal Investigator.
Injury and Musculoskeletal Disorders Among Aging Workers in an Industrial Work Force, NIOSH 1 R01 OH04040, 1999-2002; Principal Investigator
Chemoprevention Trial of the Efficacy of Beta-Carotene/Retinol to Prevent Lung Cancer in Populations at High Risk. Subcontract to NCI, U01CA6367, 1999-2005, New Haven Center, Principal Investigator
Isocyanate Exposure Intervention Study in Body Shops, CDC 1 R01 OH04246, 2002-2006, Co-I (Y. Liu, Principal Investigator)
Natural History of Chronic Beryllium Disease, Brush-Wellman Contract, 2004-2006, Principal Investigator
Investigation of Morbidity Patterns Among Alcoans, John B. and Catherine T. MacArthur Foundation, 1997-2007; Principal Investigator
Longitudinal Study of Isocyanate Asthma in Body Shops, NIOSH 1 R01 OH03457-07, 2002-2007, Principal Investigator
Occupational Health Clinic Award (State of Connecticut), 1990-2009 Principal Investigator
Training Program Project in Occupational Medicine, NIOSH T01/OH 008607-07, 1987-2009, PI 1987-2005; Co-I since 2005 (O. Taiwo, Principal Investigator)
Daily Exposure Monitoring Intervention to Prevent Hearing Loss, 1 R01 OH008641-01A2, 6/15/07-4/30/09 (P. Rabinowitz, Principal Investigator)
Rapid Assessment of Human Exposure to Airborne Persistent Organic Pollutants. Woods Institute. 10/1/11-9/30/12. *Co-Principal Investigator* (3%)
The Design of Social Insurance for the Elderly: Public Pensions and Health Insurance, NIH/NIA 1R01AG032449-01, 4/1/09-3/30/2015 *Co-Principal Investigator* (5%)

Active Support

Disease, Disability and Death in an Aging Workforce, NIH/NIA, 1 R01 AG026291-06 6/1/06-5/31/16, *Principal Investigator* (20%)
Occupational Exposure to PM2.5 and Cardiovascular Disease. NIH/NIOSH. R01OH009939-01, 9/1/11-8/31/19, *Principal Investigator*. (25%)
CAUSES: Causes of Asian American Mortality Understood by Socio-economic Status. NIH/NIMHD ROI MD007012-01, 4/1/12-3/31/17 *Co-Principal Investigator* (10%)
Stanford Center for Clinical & Translational Education and Research (Spectrum). NCATS. UL1 TR00185-01 (Greenberg PI), 05/01/08-03/01/19 *Co-Principal Investigator* (25%)
The Alcoa Study. Alcoa Inc., 01/01/97-12/31/15 *Role: Principal Investigator* (20%)

Publications: Original Peer-reviewed Manuscripts

1. **Cullen M**, Robins J. Diseases of the workplace - The clinician's role. *Conn Med* 1981; 45:363-9.
2. **Cullen MR**, Balmes J, Robins J, Smith GW. Respiratory tract disease caused by oil mist exposure from a steel rolling tandem mill. *Am J Indust Med* 1981; 2:51-9.
3. Balmes JR, Sostman HD, **Cullen MR**. Differentiating asbestos-related pleural plaques from peripheral parenchymal lesions by computerized tomography, *Conn Med* 1982; 46:515-7.
4. Robins JM, **Cullen MR**, Connors BB, Kayne RD. Depressed thyroid indices associated with occupational exposure to inorganic lead. *Arch Intern Med* 1983; 143:220-4.
5. **Cullen MR**, Robins JM, Eskenazi B. Adult inorganic lead intoxication – presentation 31 new cases and a review of recent advances in the literature. *Medicine* (Baltimore) 1983; 62:221-47.
6. **Cullen MR**, Robins JM, Kayne RD. Endocrine and reproductive dysfunction in men associated with occupational inorganic lead intoxication. *Arch Environ Health* 1984; 39:431-40.
7. **Cullen MR**, Rado T, Waldron JA, Sparer J, Welch LS. Bone marrow injury in lithographers exposed to glycol ethers and organic solvents used in multicolor offset and ultraviolet curing printing processes. *Arch Environ Health* 1983; 38:347-54.
8. Schottenfeld RS, **Cullen MR**. Organic affective illness associated with lead intoxication. *Am J Psych* 1984; 114:1423-26.
9. **Cullen MR**. Occupational medicine: a new focus for general internal medicine. *Arch Intern Med* 1985; 145:511-15.
10. Schottenfeld RS, **Cullen MR**. Occupation-induced post-traumatic stress disorders. *Am J Psych* 1985; 142:198-202.
11. Schottenfeld RS, **Cullen MR**. Recognition of occupation-induced post-traumatic stress disorders. *J Occup Med* 1986; 28:365-9.
12. **Cullen MR**, Cherniack MG, Kominsky JR. Chronic beryllium disease in the United States. *Semin in Respir Med* 1986; 7:203-9
13. **Cullen MR**, Kominsky JR, Rossman MD, Cherniack, MG, Rankin JA, Balmes JR, et al. Chronic beryllium disease in a precious metal refinery: clinical epidemiologic and immunologic evidence for continuing risk from exposure to low level beryllium fume. *Am Rev Resp Dis* 1987; 135:201-8.
14. Redlich CA, Beckett WS, Sparer J, Barwick KW, Reily CA, Miller H, Siegal S, **Cullen MR**. Liver disease associated with occupational exposure to the solvent dimethylformamide. *Ann Intern Med*. 1988; 105:680-86.
15. **Cullen MR**. Controversies in asbestos related lung cancer. *Occupational Medicine: State of the Art Reviews* 1987; 2:259-72.
16. Rosenstock L, **Cullen MR**. The scientific, ethical, and legal reasons not to perform routine urine drug testing in workers. *J Gen Intern Med* 1987; 2:135-7.
17. Rossman MD, Kern JA, Elias JA, **Cullen MR**, Epstein PE, Preuss OP, Markham TN, Daniele RP. Lung proliferation to beryllium: A diagnostic test for chronic beryllium disease. *Ann Intern Med* 1988; 108:687-92.
18. Sparer J, McManus K, Welch LS, **Cullen MR**. Effects of exposure to ethylene glycol ethers on shipyard painters. I: Evaluation of exposure. *Am J Indust Med* 1988; 14:497-507.
19. Welch LS, Schraeder SM, Turner TW, **Cullen MR**. Effects of exposure to ethylene glycol ethers on shipyard painters. II: Male Reproduction. *Am J Indust Med* 1988; 14:509-26.

20. Welch LS, **Cullen MR**. Effects of exposure to ethylene glycol ethers on shipyard painters. III: Hematologic effects. *Am J Indust Med* 1988; 14:527-36.
21. **Cullen MR**, Rosenstock L. The challenge of teaching occupational and environmental medicine in internal medicine residencies. *Arch Intern Med* 1988; 148:2401-4.
22. **Cullen MR**, Cherniack MG. The spectrum of occupational disease in an academic hospital-based referral center in Connecticut, 1979-87. *Arch Intern Med* 1989; 149:1621-6.
23. **Cullen MR**. Clinic training with a public health focus - Discussion. *Toxicol Indust Health* 1989;5:79-82.
24. Siegel M, Forsyth B, Siegel L, **Cullen MR**. The effect of lead on thyroid function in children. *Environ Res* 1989; 49:190-6.
25. **Cullen MR**. The role of clinical investigations in biologic markers research. *Environ Res* 1989;50:1-10.
26. Barry M, **Cullen MR**, Loewensen RH, Thomas JEP. Letter from Zimbabwe: Health care changes after independence and transition to majority rule. *JAMA* 1990; 263:638-40.
27. **Cullen MR**, Cherniack MG, Rosenstock L. Medical Progress: Occupational Medicine. *New Eng J Med* 1990; 322:594-601 (part 1), 675-83 (part 2).
28. Herzstein J, **Cullen MR**. Methyl bromide intoxication in field workers during removal of soil fumigation sheets. *Am J Indust Med* 1990; 17:321-6.
29. **Cullen MR**, Baloyi RS. Prevalence of pneumoconiosis among coal and heavy metal miners in Zimbabwe. *Am J Indust Med* 1990; 17:677-82.
30. Redlich CA, West AB, Fleming L, True LD, **Cullen MR**, Riely CA. Characteristics of dimethylformamide hepatotoxicity in factory workers: Evidence for clinically and pathologically distinct patterns of acute and chronic effects. *Gastroenterology* 1990; 99:748-57.
31. **Cullen MR**. Clinical surveillance and management of occupational asthma. Tertiary prevention by the primary practitioner. *Chest* 1990; 98:196S-201S.
32. **Cullen MR**, Baloyi RS. Chrysotile asbestos and health in Zimbabwe. I: Analysis of miners and millers compensated for asbestos-related diseases since Independence (1980). *Am J Indust Med* 1991; 19:161-9.
33. **Cullen MR**, Lopez-Carrillo L, Alli B, Pace PE, Shalat SL, Baloyi RS. Chrysotile asbestos and health in Zimbabwe. II: Health survey among active miners and millers. *Am J Indust Med* 1991; 19:171-82.
34. **Cullen MR**, Figueroa ST. Incorporating environmental medicine into training programs in occupational medicine. *J Occup Med* 1990; 32:1104-7.
35. Barry M, Patterson JE, Tirrell S, **Cullen MR**, Shope RE. The effect of chloroquine prophylaxis on yellow fever vaccine antibody response: Comparison of plaque reduction neutralization test and enzyme-linked immuno-sorbent assay. *Am J Trop Med* 1991; 44:79-82.
36. Merrill WW, Carter D, **Cullen MR**. The relationship between large airway inflammation and airway metaplasia. *Chest* 1991; 100:131-5
37. Omenn GS, Goodman G, Grizzle J, Thornquist M, Rosenstock L, Barnhart S, Anderson G, Balmes J, Cherniack M, Case J, **Cullen MR**, Glass A, Keogh J, Meyskens F, Valanis B. CARET, the beta-carotene and retinol efficacy trial to prevent lung cancer in asbestos-exposed workers and in smokers. *Anti-Cancer Drugs* 1991; 2:79-86.
38. Rosenstock L, Rest KM, Benson JA Jr, Cannella JM, Cohen J, **Cullen MR**, Davidoff F, Landrigan PJ, Reynolds RC, Clever LH, Goldstein BD. Illness from the environment: Meeting the growing need for clinical services. *N Eng J Med* 1991; 325:924-7.

39. **Cullen MR.** Multiple chemical sensitivities - development of policy in the face of scientific uncertainty. *New Solutions* Fall 1991; 2:16-24.
40. Merrill WW, Carter D, **Cullen MR.** The relationship between large airway and alveolar space inflammation and airway metaplasia. *Respiration* 1992; 59(Supp 1):38-40.
41. Omenn GS, Goodman G, Grizzle J, Thornquist M, Rosenstock L, Barnhart S, Anderson G, Balmes J, Cherniack M, **Cullen MR,** Glass A, Keogh J, Meyskens F, Valanis B, Williams Jr, J. Recruitment for CARET, the beta-carotene and retinol efficacy trial to prevent lung cancer in smokers and in asbestos-exposed workers. *Western J of Med* 1992; 156:540-4.
42. **Cullen MR,** Merrill WW. Association between neutrophil concentration in bronchoalveolar lavage and recent losses in diffusing capacity in men formerly exposed to asbestos. *Chest* 1992; 102:682-7.
43. Merrill WW, Carter D, **Cullen MR,** Marenberg M. The relationship between bronchoalveolar lavage findings and airway metaplasia in asbestos-exposed subjects after control of exposure. *Chest* 1992; 102:688-93.
44. **Cullen MR,** Pace PE, Redlich CA. The experience of the Yale Occupational and Environmental Medicine Clinics with multiple chemical sensitivities, 1986-91. *Toxicol Indust Health* 1992; 8(4):15-19.
45. **Cullen MR,** Solomon L, Pace PE, Buckley P, Duffy T, McPhedron P, Kelsey KT, Redlich CA. Morphologic, biochemical, and cytogenetic studies of bone marrow and circulating blood cells in painters exposed to ethylene glycol ethers. *Environmental Research* 1992; 59:250-264.
46. Berman L, **Cullen MR,** Miller PL. Automated integration of external databases: A knowledge-based approach to enhancing role-based expert systems. *Computers and Biomed Res* 1993; 26:230-41.
47. Thornquist MD, Omenn GS, Goodman GE, Grizzle JE, Rosenstock L, Barnhart S, Anderson GL, Hammar S, Balmes J, Cherniack M, Cone J, **Cullen MR,** Glass A, Keogh JP, Meyskens Jr F, Valanis B, Williams Jr JH. Statistical design and monitoring of the carotene and retinol efficacy trial (CARET). *Cont Clinical Trials* 1993; 14:308-24.
48. **Cullen MR,** Upton A, Buffler P, et al. The private funding of public research. *J Occup Med* 1994;36:1348-54.
49. Schonfeld DJ, **Cullen MR,** Rainey PM, et al. Screening for lead poisoning in an urban pediatric clinic using samples obtained by fingerstick. *Pediatrics* 1994; 94:174-9.
50. Barry M, Bia F, **Cullen MR,** et al. Arenavirus infection - Connecticut. *MMWR* 1994; 43:635-6.
51. Schonfeld DJ, Rainey PM, **Cullen MR,** Showalter DR, Cicchetti DV. Screening for lead poisoning by fingerstick in suburban pediatric practices. *Arch Ped Adolescent Med* 1995; 149:447-50.
52. Harari R, **Cullen MR.** Childhood lead intoxication associated with manufacture of roof tiles and ceramics in the Ecuadorian Andes. *Arch Environmental Health* 1995; 50:393.
53. **Cullen MR,** Harari R. Occupational research in developing countries: The experience in Ecuador. *Intl Occup Environ Health* 1995; 1:39-46.
54. Maurer KF, **Cullen MR,** Erdil M, et al. Controlling lead toxicity in bridge workers—Connecticut 1991-1994. *MMWR* 1995; 44:76-78.
55. Maurer KF, **Cullen MR,** Erdil M, Hammond SK, Garcia M. Lead toxicity among bridge workers—1994. *MMWR* 1995; 44:913.
56. **Cullen MR.** Epidemiologic methods for the study of occupational asthma: Current problems and solutions. *Chest* 1996;109:51(s)-54(s).

57. Redlich CA, Homer RJ, Smith BR, Wirth JA, **Cullen MR**. Immunologic responses to isocyanates in sensitized asthmatic subjects. *Chest* 1996;109:6(s)-8(s).
58. Omenn GS, Goodman G, Thornquist M, Barnhart S, Balmes J, Cherniack M, **Cullen MR**, Glass A, Keogh J, Liu D, Meyskens F, Perloff M, Valanis B, Williams J. Chemoprevention of lung cancer: The β carotene and retinol efficacy trial (CARET) in high-risk smokers and asbestos-exposed workers. *Scientific Publication No. 136*, 1996:67-85.
59. **Cullen MR**. The significance of individual sensitivity to chemicals. *Clin Chem* 1995; 41:1809-13.
60. **Cullen MR**, Redlich CA, Beckett WS, Weltmann B, Sparer J, Jackson G, Ruff T, Rubinstein E, Holden W. A survey of respiratory symptoms and peak flow recordings in autobody shop workers exposed to isocyanate containing spray paint. *Occupational Medicine* 1996; 46:197-204.
61. Omenn GS, Goodman GE, Thornquist MD, Balmes J, Cherniack MG, **Cullen MR**, et al. Effects of the combination of beta-carotene and vitamin A on lung cancer incidence, total mortality and cardiovascular mortality in smokers and asbestos workers. *New Eng J Med* 1996; 334:1150-55.
62. **Cullen MR**, Checkoway H, Alexander BA. Investigation of a cluster of pituitary adenomas among aluminum industry workers. *Occupational and Environ Med* 1996; 53:782-6.
63. Omenn GS, Goodman GE, Thornquist MD, Balmes J, **Cullen MR**, Glass A, et al. Risk factors for lung cancer and for intervention effects in CARET, the beta-carotene and retinol efficacy trial. *JNCI* 1996; 88:1550-9.
64. Redlich CA, Sparer JS, **Cullen MR**. Sick building syndrome. *The Lancet* 1997;349:1013-6.
65. Russi M, Dubrow R, **Cullen MR**, Mayne ST. Occupational exposures to machining fluids and laryngeal cancer risk contrasting results using two separate control groups. *AJIM* 1997; 31:166-71.
66. Chuwers P, Barnhart S, Blanc P, Brodtkin CA, **Cullen MR**, Kelly T, Keogh J, Omenn G, Williams J, Balmes JR. The protective effect of β -carotene and retinol on ventilatory functioning in an asbestos-exposed cohort. *Am J Resp Crit Care Med* 1997; 155:1066-71.
67. Redlich CA, Karol MH, Graham CK, Homer RJ, Holm C, Wirth JA, **Cullen MR**. Demonstration of Airway isocyanate-adducts in a patient with HDI-induced asthma. *Scand J Work Environ Health* 1997; 23:227-31.
68. Barnhart S, Keogh J, **Cullen MR**, et al. The CARET asbestos exposed cohort: Baseline characteristics and comparison to other asbestos-exposed cohorts. *AJIM* 1997; 32:573-81.
69. Redlich CA, Van Bennekum AM, Chung J, Clever SL, Blaner WS, Holm C, **Cullen MR**. The effect of supplementation with vitamin A and beta-carotene on lung nutrient levels. *Cancer Epid Biomarkers Prev* 1998; 7:211-14.
70. Mayne ST, Redlich CA, **Cullen MR**. Dietary vitamin A and prevalence of bronchial metaplasia in asbestos exposed workers, *Am J Clin Nutr* 1998; 68:630-5.
71. Schumacher C, Brodtkin CA, Alexander B, **Cullen MR**. et al. Thyroid function in lead smelter workers: Absence of subacute or cumulative effects with moderate lead borders. *Int Arch Occ Env Health* 1998; 71:453-458.
72. Redlich CA, Chung JS, **Cullen MR**, Blaner WS, Van Bennekum AM, Berglund L. Effect of long-term beta-carotene and vitamin A on serum cholesterol and triglyceride levels among participants in the carotene and retinol efficacy trial (CARET). *Artherosclerosis*, 1999;143:427-34.
73. Rabinowitz PM, **Cullen MR**, Feinstein RE. Commentary: Host/environment medicine. A family practice model for the future. *Family Medicine* 1998; 30(4):297-300.

74. **Cullen MR.** Occupational health in the 20th century: Spiraling to the future. *Ann Rev Pub Health* 1999; 20:1-13.
75. Acquavella JF, Weber J, **Cullen MR**, et al. Ocular effects from reported exposures to formulated glyphosate herbicides. *Human Exper Toxicol* 1999; 18:479-86.
76. Shmueli A, **Cullen MR**. Birthweight, maternal age and education in the U.S. New Observations. *Yale J Biol Med* 1999; 72(4):245-258.
77. Rabinowitz PM, **Cullen MR**, Lake HR. Wildlife studies for identification of human health hazards: An epidemiologic perspective. *J Environ Med* 1999; 1:217-223.
78. Liu Y, Sparer J, Woskie S, **Cullen MR**, Chung J, Holm C, Redlich CR. Qualitative assessment of isocyanate skin exposure in autobody shops. *AJIM* 2000; 37:265-74.
79. Vork KL, Hammond SK, Sparer J, **Cullen MR**. Prevention of lead poisoning in construction workers. A new public health approach. *AJIM* 2001; 39:243-53.
80. Redlich CA, Stowe MH, Wisnewski AV, Eisen E, Karol MH, Lemus R, Holm CT, Chung J, Sparer J, Liu Y, Woskie S, Appiah-Pippim J, Gore R, and **Cullen MR**. Subclinical immunologic and physiological responses in hexamethylene diisocyanate-exposed auto body shop workers. *Am J Ind Med* 2001; 39:587-97.
81. Acquavella JF, Cowell JE, **Cullen MR**, Farmer DR, Pastides H. Implications of glyphosate toxicology and human biomonitoring data for epidemiologic research. *J Agromedicine* 2001;7:7-27.
82. Redlich CA, Stowe MH, Coren BA, Wisnewski AV, Holm CT, and **Cullen MR**. Diisocyanate-exposed auto body shop workers: A one-year follow-up. *Am J Indus Med* 2002;42:511-518.
83. Agalliu I, Eisen EA, Hauser R, Redlich CA, Stowe MH, **Cullen MR**, Wegman DH, Christiani DC, Kennedy SM. The effects of truncating the dose protocol in methacholine challenge testing in three occupational studies. *J Occup Environ Med* 2003;45:841-7.
84. Rabinowitz PM, Slade M, Dixon-Ernst C, Sircar K, **Cullen MR**. Impact of OSHA final rule—recording hearing loss. *J Occup Environ Med* 2003;45:1274-1280.
85. Sparer J, Stowe M, Bello D, Youngs BF, Gore K, Liu YC, **Cullen MR**, Redlich C, Woskie S. Isocyanate exposures in auto body shop work: The SPRAY study. *J Occ Environ Hyg* 2004;1:570-581.
86. Woskie SR, Sparer J, Gore R, Stowe M, Bello D, Liu YC, Youngs F, **Cullen MR**. Determinants of isocyanate exposure in auto body repair and refinishing shops. *Ann Occup Hyg* 2004;5:393-403.
87. Bello D, Woskie SR, Streiker RP, Ellenbecher MJ, Eisen EA, **Cullen MR**, Liu Y, Stowe MH, Sparer J, Youngs F, Redlich CA. Polyisocyanates in occupational environments: A critical review of exposure metrics and standards. *Am J Indus Med* 2004;46:480-91.
88. Sood A, Beckett WS, **Cullen MR**. Variable response to long-term corticosteroid therapy in clinically apparent chronic beryllium disease. *Chest* 2004;126:2000-7.
89. Goldstein DA, Shelton PE, **Cullen MR**, Easterday PA, Eppard PH, Cabanilla BR. Responding to the Challenge of novel technology: An industrial hygiene and safety program for antibody production in maize. *J Occup Environ Med* 2004;46(8):784-790.
90. Goodman GE, Thornquist MD, Balmes J, **Cullen MR**, Meyskens FL Jr, Omenn GS, Valanis B, Williams WJH. Incidence of lung cancer and cardio vascular disease in CARET: Six years of follow-up after stopping B-carotene and retinol supplements. *JNCI* 2004;96:1743-50.
91. **Cullen MR**, Barnett M, Balmes J, Cartmel B, Redlich CA, Brodtkin D, Barnhart S, Rosenstock L, Goodman GE, Hammar S, Omenn GS. Predictors of lung cancer among asbestos exposed men in the CARET trial. *Am J Epidemiology* 2005;161:260-70.

92. Bello D, Woskie SR, Streicher RP, Stowe M, Sparer J, Redlich CA, **Cullen MR**, Liu Y. A laboratory investigation of the various skin and surface decontaminants for aliphatic polyisocyanates. *J Environ Monitoring* 2005;7:716-21.
93. Rosenstock L, **Cullen MR**, Fingerhut M. Advancing worker health and safety in the developing world. *J Occ Env Med* 2005;47:132-36.
94. Cartmel B, Dzivra J, **Cullen MR**, Vegso S, Goodman G, Redlich CA. Cholesterol and triglyceride levels in the vanguard population of the Carotene and Retinol Efficacy Trial (CARET). *Eur J Nutrition*. 2005;59:1173-80.
95. Aliyu OA, **Cullen MR**, Barnett MJ, Balmes JR, Cartmel B, Redlich CA, Brodtkin CA, Barnhart S, Rosentock L, Goodman GE, Thornquist MD, Omenn GS. Evidence for excess colo-rectal cancer among asbestos exposed men in the beta-carotene and retinal efficacy trial (CARET). *Am J Epid* 2005;162:868-79.
96. **Cullen MR**. Serum osteopontin levels--is it time to screen asbestos-exposed workers for pleural mesothelioma? *N Engl J Med*. 2005;353(15):1617-1618.
97. **Cullen MR**. Screening for chronic beryllium disease: one hurdle down, two to go. *Am J Respir Crit Care Med*. 2005;171(1):3-4.
98. Taiwo O, Sircar K, Slade M, Cantley L, Vegso S, Rabinowitz P, Fiellin M, **Cullen MR**. Incidence of asthma among aluminum workers in relation to respiratory irritants in pot rooms. *J Occ Environ Med* 2006;48:275-82.
99. Liu Y, Stowe M, Bello D, Woskie SR, Sparer J, Gore R, Youngs F, **Cullen MR**, Redlich CA. Respiratory protection from isocyanate exposure in autobody shops: Field performance of half facepiece organic vapor cartridge respirators. *J Occ Environ Hyg* 2006;3:234-49.
100. Rabinowitz PM, Slade MD, Galusha D, Dixon-Ernst C, **Cullen MR**. Trends in the prevalence of hearing loss among young adults entering an industrial workforce 1985-2004. *Ear and Hearing* 2006;27(4):369-375.
101. Busch S, Barry C, Vegso S, Sindelar J, **Cullen MR**. An employer initiative to increase use of preventive health care services. *Health Affairs* 2006;25:1529-1536.
102. **Cullen MR**, Vegso S, Galusha D, Cantley L, Rabinowitz P, Taiwo O, Fiellin M, Wennberg D, Iannaco J, Slade MD, Sircar K. The use of medical insurance claims files for occupational health research. *JOEM* 2006;48:1054-1061.
103. Rabinowitz PM, Galusha D, Dixon-Ernst C, Slade MD, **Cullen MR**. Do ambient noise exposure levels predict hearing loss in an industrial workforce. *Occ Environ Med* 2007;64:53-59.
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Manuscripts Under Editorial Review

1. Foo PF, **Cullen MR**. The effect of prescription cost-sharing on generic drug substitution and drug expenditures. Health Economics (revise and resubmit)
2. Horner EM, **Cullen MR**. Integrating Medicare health claims with work-life health claims and other administrative data. BMC Methods (R&R)
3. Sarma H, Saquib N, Hasan M, Saquib J, Ireen S, Uddin J, **Cullen MR**, Ahmed T. Determinants of overweight and obesity among ever-married adult women in Bangladesh Public Health Nutrition (submitted)
4. Saquib J, Saquib N, Stefanick ML, Khanam MA, Anand S, Chertow GM, Barry M, Ahmed T, **Cullen MR**. Gender differences in obesity, modifiable lifestyle factors and barriers to physical activity among urban middle-class Bangladeshis BJOG (in review)

5. Rohgati N, Loftus PD, Grujic O, **Cullen MR**, Hopkins J, Ahuja N. Surgical co-management by hospitalists improves patient outcomes BMJ (submitted)
6. Horner EM, **Cullen MR**: The impact of health on retirement: Quasi-experimental method using self-report and objective data sources BMC Health Service (in review)
7. Eisenberg ML, Shufeng Li MS, **Cullen MR**, Baker LC. Increased risk of incident chronic medical conditions in infertile men: Analysis of US claims data. BMJ (submitted)
8. **Cullen MR**, Eggleston K, Loftus P, Baiocchi M, Fuchs VR. The weaker sex? Vulnerable men, resilient women and sex differences in mortality since 1900 NBER Working Paper #21114. Demography (under review)
9. Chi GC, Hajat A, **Cullen MR**, Griffin BA, Miller KA, Shih RA, Stefanick ML, Vedal S, Whitsel EA, Kaufman JD. Individual and neighborhood socioeconomic status, long-term exposure to air pollution, and risk of cardiovascular disease in the Women's Health Initiative Observational Study Environmental Health Perspectives (in review)
10. Basu S, Hamad R, White J, Modrek S, Rehkopf, **Cullen MR**. The EARN trial: a randomized, controlled trial to identify health effects of an incentivized financial savings program for low-income US adults. BMJ Open Access (R&R)

Manuscripts Under Internal Review

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