

EDGAR K. MARCUSE, M.D., M.P.H.

CURRENT POSITIONS

Medical Director for QI – Seattle Children’s Hospital, Seattle, Washington
Professor of Pediatrics – School of Medicine, University of Washington, Seattle, WA
Adjunct Professor of Epidemiology – School of Public Health, University of Washington

PERSONAL DATA

Birthdate: 1940
Birthplace: New York, New York
Citizenship: U.S.A.
Married: Linda Mickelson, 1963 (School Psychologist)
Children: Andrew, 1968; Nicholas, 1972
Business Address: Seattle Children’s Hospital
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EDUCATION

| | | |
|-----------------------|--|-------------|
| Undergraduate: | Oberlin College Oberlin, Ohio A.B., 1962 | 1958 - 1962 |
| Graduate: | Stanford University School of Medicine, Stanford, CA M.D., 1967 | 1962 - 1967 |
| | University of Washington, School of Public Health and Community Medicine, Seattle, WA M.P.H., 1973 | 1972 - 1973 |

POSTGRADUATE TRAINING

| | | |
|--------------------------------|--|----------------------------|
| Internship, Pediatrics: | Children's Hospital Medical Center, Boston, MA | 1967 - 1968 |
| Residency, Pediatrics: | Children's Hospital Medical Center, Boston, MA University of Washington Hospital and Children's Hospital and Medical Center, Seattle, WA | 1968 - 1969 1971 - 1972 |
| Fellowship: | Department of Epidemiology, School of Public Health and Community Medicine University of Washington, Seattle, WA | 1972 - 1973 |
| Uniformed Service: | Epidemic Intelligence Service Officer Centers for Disease Control, USPHS | 1969 - 1971 |
| | Medical Epidemiologist Division of Social and Health Services State of Washington, Olympia, WA | 1969 - 1971 |

FACULTY POSITIONS HELD

| | |
|--|-------------|
| University of Washington, Seattle, WA | |
| School of Medicine, School of Public Health and Community Medicine | |
| Clinical Instructor, Department of Pediatrics | 1973 - 1974 |
| Clinical Assistant Professor, Pediatrics | 1974 - 1977 |
| Clinical Associate Professor, Pediatrics | 1977 - 1981 |
| Clinical Professor, Pediatrics | 1981 - 1994 |
| Professor, Pediatrics | 1995 - |
| Clinical Professor, Epidemiology | 1981 - 1994 |
| Adjunct Professor, Epidemiology | 1995 - |

HOSPITAL POSITIONS HELD

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| Seattle Children's Hospital, Seattle, WA | |
| Associate Medical Director, Odessa Brown Children's Clinic | 1973 - 1977 |
| Chief, Medical Clinic | 1976 - 1982 |
| Director, Ambulatory Care Services | 1982 - 1998 |
| Medical Director, Toddler-Adolescent Inpatient Unit | 1997 - 1998 |
| Director, Medical Services | 1998 - 2000 |
| Associate Medical Director (QI) | 2000 - 2013 |
| Medical Director for QI | 2013 - |

HONORS/AWARDS

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|---|-------------|
| Harold K. Faber Pediatric Award | 1967 |
| Alpha Omega Alpha Medical Society | 1967 |
| Outstanding Teacher, Clinical Faculty | 1974 - 1975 |
| Little School Service Award | 1987 |
| Washington Chapter American Academy of Pediatrics, Outstanding Service Award | 2003 |
| Intern Retreat Award for 30 years Sustained Leadership | 2008 |
| Seattle Children's Medical Staff's Richard Molteni Award for Quality and Professionalism | 2010 |
| Every Child By Two Martin H. Smith Award for exceptional contributions toward childhood immunizations | 2011 |
| American Academy of Pediatrics Special Achievement Award for advocacy of an immunization bill to maximize vaccine rates by requiring counseling prior to claiming a personal belief exemption | 2013 |
| Centers for Disease Control and Prevention: CDC Childhood Immunization Champion, Washington State | 2013 |

BOARD CERTIFICATION

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|---------------------------------------|------|
| National Board of Medical Examiners | 1969 |
| American Board of Pediatrics (#15551) | 1972 |

CURRENT LICENSE TO PRACTICE

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| State of Washington License (252-09 0011032) | 1969 - |
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PROFESSIONAL ORGANIZATIONS

| | |
|---|--------|
| Ambulatory Pediatric Association | 1974 - |
| APA Visiting Consultant, Edmonton, Alberta | 1987 |
| American Academy of Pediatrics | 1973 - |
| Member, Sections on Epidemiology, Infectious Disease, Seniors | |

Professional Organizations, *continued*

| | |
|---|-------------|
| American Public Health Association | 1970 - 2003 |
| Association for the Care of Children's Health | 1979 - 1997 |
| The Edward Jenner Society | 2011 - |
| Infectious Disease Society of America | 1997 - |
| Public Policy Committee | 2000 - 2003 |
| King County Medical Society | 1972 - |
| School Health Committee | 1973 - 1975 |
| Public Health Liaison Committee | 1975 - 1977 |
| North Pacific Pediatric Society | 1973 - |
| Scientific Co-Chairman, 120th Meeting | 1980 |
| Pediatric Infectious Disease Society | 1990 - |
| Public Policy Committee | 2007 - 2010 |
| Vaccine Advocacy Committee | 2010 - |
| Society for Pediatric Dermatology | 1982 - 1997 |
| Society for Pediatric Epidemiologic Research | 1988 - 2005 |
| Washington Chapter, American Academy of Pediatrics | 1973 - |
| Committee on Infectious Disease | 1973 - 1993 |
| Chair | 1973 - 1985 |
| Trustee | 1979 - 1982 |
| Media Relations Committee | 1986 - 1988 |
| Chair | 1986 - 1987 |
| Chapter Vice President | 1983 - 1990 |
| Chapter President | 1990 - 1993 |
| Community Pediatric Foundation of Washington, Trustee | 2002 - |
| Washington State Medical Association | 1972 - |

TEACHING RESPONSIBILITIES

| | |
|---|-------------|
| Hospital Attending, General Medicine Inpatient Unit 8-10 wks/year | 1973 - 2003 |
| Intern Retreat: Senior Coordinator | 1986 - 2006 |
| Coordinator | 2007- |
| Pediatric Noon Conferences on immunization, visual diagnosis, patient safety, quality | 2 - 4/year |

EDITORIAL RESPONSIBILITIES

Editorial Boards:

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|---|-------------|
| <i>Bulletin</i> , King County Medical Society | 1976 - 1978 |
| <i>Pediatrics</i> , American Academy of Pediatrics | 1980 - 1986 |
| <i>Healthy Kids</i> , (4-10), American Academy of Pediatrics | 1989 - 1991 |
| <i>1994 Red Book</i> , American Academy of Pediatrics – Associate Editor | 1991 - 1993 |
| <i>The Report on Pediatric Infectious Diseases</i> , Pediatric Infectious Disease Society | 1993 - 1995 |
| <i>AAP Grand Rounds</i> , American Academy of Pediatrics – Co-Editor | 1998 - 2011 |

Ad Hoc Reviewer:

American Journal of Public Health
Archives of Pediatric & Adolescent Medicine
JAMA
Journal of Infectious Disease
Journal of Pediatrics
Pediatric Infectious Disease Journal
Pediatrics

SPECIAL NATIONAL RESPONSIBILITIES

| | |
|---|---------------------|
| American Academy of Pediatrics: | |
| PREP, Task Force on Recent Advances | 1983 - 1986 |
| Committee on Infectious Diseases (<i>Red Book</i>) | 1987 - 1993 |
| Consultant, 1997, 2000 <i>Red Book</i> | 1994 - 2000 |
| Committee on Scientific Meetings | 1994 - 1997 |
| Special Committee on Quality Improvement/Management | 2001 - 2006 |
| Member, Evidence Subcommittee | 2001 - 2006 |
| Immunization Advisory Team | 2003 - 2005 |
| Chair, Immunization Advisory Team | 2004 - 2005 |
| United States Department of Health and Human Services: | |
| National Vaccine Advisory Committee | 1989 - 1993 |
| Chair | 1994 - 1998 |
| Subcommittee on Access to Immunization, Chair | 1991 - 1992 |
| Subcommittee on Vaccine Injury Table, Chair | 1992 |
| Workgroup on Public Health Options for Implementing Vaccine Recommendations | 2000 - 2004 |
| Centers for Disease Control and Prevention (CDC): | |
| Consultant: Vaccine Information Pamphlets | 1989 |
| Ad Hoc Working Group for Development of Standards for Pediatric Immunization Practice | 1992 |
| Consultant, Large Linked Data Base (Vaccine Safety Datalink) | 1995, 1996 |
| Advisory Committee on Immunization Practices (ACIP) | 2004 - 2006 |
| Member, Working Group on Evidence | 2004 - 2011 |
| Chair, Working Group on General Recommendations | 2004 - 2006 |
| Member, Working Group on Rotavirus Vaccine | 2004 - 2011; 2013 - |
| Member, Working Group on Hepatitis A Vaccine | 2004 - 2006 |
| Food and Drug Administration (FDA): | |
| Vaccines & Related Biological Products Advisory Committee (VRBPAC) | 2011 - 2015 |
| Institutes of Medicine: | |
| Rapporteur, Workshop on National Childhood Encephalopathy Study | 1989 |
| Steering Committee, Workshop for Overcoming Barriers to Immunization | 1993 |
| Participant, Workshop on US Options for Polio Immunization | 1995 |
| Review Panel Committee on Immunization Safety | 2001 - 2005 |
| Member, Committee on National Vaccine Plan | 2008 - 2009 |
| Immunization Action Coalition and Hepatitis B Coalition, Advisory Board | 1995 - 2007 |
| All Kids Count, National Advisory Board | 1997 - 2000 |
| National Network for Immunization Information, National Steering Committee | 1998 - |
| Parents of Kids with Infectious Disease (PKIDs), Advisory Board | 1998 - |
| Vaccine Policy Analysis Collaborative – Steering Committee | 2004 - 2006 |
| Public Forums – Co-Chair | 2005 - 2006 |
| American Academy of Arts and Sciences – Trust in Vaccines Project | 2012 - |

SPECIAL LOCAL RESPONSIBILITIES

| | |
|------------------------------|-------------|
| Seattle Children's Hospital: | |
| Infection Control Committee | 1976 - 2000 |
| Child Abuse Committee | 1976 - 1983 |
| Library Committee | 1976 - 1984 |
| Medical Records Committee | 1976 - 1984 |
| Chair | 1979 - 1984 |
| Ambulatory Care Committee | 1975 - 1993 |
| Chair | 1982 - 1993 |
| Emergency Room Committee | 1976 - 1991 |
| Joint Conference Committee | 1976 - 1980 |

Special Local Responsibilities, *continued*

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|---|---------------------------------|
| Medical Executive Committee | 1979 - |
| Professional Fee Management Committee | 1980 - 1990 |
| Chair | 1985 - 1990 |
| Strategic Planning Committee | 1982 - 1986 |
| UW/CHMC Affiliation Committee | 1983 - 1990 |
| Uncompensated Care Committee | 1986 - 1989 |
| Chair | 1986 - 1988 |
| Quality Assurance Committee | 1989 - 1997 |
| Utilization Review Committee | 1990 - 1991 |
| Hospital Steering Committee | 1993 - |
| Chair, Planning Group | 1994 - 1998 |
| CHMC Physician Hospital Organization, Board | 1995 - 1998 |
| Quality Improvement Steering Committee | 1998 - |
| Information Technology Strategic Planning Committee | 2000 - 2005 |
| Board of Trustees Quality & Safety Committee | 2005 - |
| Children's University Medical Group: | |
| Secretary | 1986 - 1992 |
| CUMG/AUP Retirement Committee | 1991 - 1992 |
| University of Washington School of Medicine, Department of Pediatrics: | |
| Residency Committee | 1976 - 1990 |
| Clinical Faculty Appointment and Promotions Committee | 1976 - 2000 |
| WWAMI Visiting Professor | 1986, 1987, 1995, 1996, 2000 |
| Quality and Performance Improvement Committee | 1997 - 1999 |
| Council on University Relations | 2009 - 2010 |
| University of Washington Health Sciences: | |
| Risk Management Education Advisory Committee | 2003 - 2005 |
| University of Washington School of Public Health and Community Medicine: | |
| Maternal/Child Health Program Advisory Committee | 1985 - 1995 |
| Newborn Eye Prophylaxis Study Data & Safety Monitoring Committee | 1986 - 1991 |
| Study of Neurologic Illness in Children Technical Advisory Panel | 1987 - 1990 |
| University of Washington: | |
| CDMRC Review Committee | 1984 - 1985 |
| CDMRC Director Search Committee: Michael Guralnik | 1986 |
| CHDD (CDMRC) Advisory Board | 1987 - 1997 |
| Faculty Senate | 2009 - 2012 |
| Senate Chairman's Cabinet | 2009 - 2010 |
| Group Health Cooperative: | |
| Consultant, Multicenter Data Collection – Immunization and Adverse Events | 1990 - 1993 |
| Consultant, Immunization Advisory Committee | 1994 - 2001 |
| Co-Investigator, Vaccine Safety Datalink (with R. Davis et al) | 1996 |
| Post-Licensing DTaP Adverse Event Surveillance (with L. Jackson et al) | 1997 - 2000 |
| Community Responsibilities: | |
| Seattle Academy of Arts and Sciences | |
| Trustee | 1986 - 1992 |
| Chair, Education Committee | 1987 - 1991 |
| Nesholm Family Foundation | |
| Trustee | 1987 - |
| Treasurer | 1987 - |

Community Responsibilities, *continued*

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|---|-------------|
| The Little School, Pediatric Consultant | 1986 - 1994 |
| Seattle Junior League, Community Advisor | 1991 - 2000 |
| Chair, Combined Immunization Advisory Group: I3, Robert Wood Johnson, Seattle, King County, Snohomish, WA State Health Depts. | 1992 - 1999 |
| KidStar Radio, Advisory Board | 1993 - 1998 |
| Children's Museum, Honorary Advisory Board | 1994 - 1999 |
| Washington State Department of Health Vaccine Advisory Committee | |
| Member | 1995 - 1999 |
| Consultant | 2000 - |
| Washington State Children's Justice Center | |
| Founding Board Member, Secretary | 1996 - 1999 |
| Seattle Children's Home: Board Member | 1999 - 2001 |
| Chair, Medical Advisory Committee | 1999 - 2001 |
| Washington Vaccine Association | |
| Board member | 2010 - |
| Chair, Vaccine Working Group | 2010 - |
| VAX Northwest, Steering Committee | 2010 - |
| Public Health – Seattle & King County: Communities Putting Prevention to Work, Leadership Team | 2010 - 2011 |

RESEARCH FUNDING

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| Group Health Research Institute: Evaluation of provider vaccine hesitancy intervention; 5% | 2011 - |
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BIBLIOGRAPHY

Manuscripts in Refereed Journals:

1. Lovejoy FH, **Marcuse EK**, Landrigan PJ. Two examples of *purpura factitia*. *Clinical Pediatrics* 1971;3:183-184
2. **Marcuse EK**, Peterson DR, Thompson RS, et al. Retrospective survey of congenital rubella syndrome in the State of Washington, 1963-1968. *HSMHA Health Reports* 1971;86:161-167
3. **Marcuse EK**, Grand MG. Epidemiology of diphtheria in San Antonio, Texas, 1970. *JAMA* 1973;224:305-310
4. Hattwick MA, **Marcuse EK**, Britt MR, et al. Skunk rabies: the risk to man. *Am J Public Health* 1973;63:1080-1085
5. **Marcuse EK**. Pediatrician's immunization consent practice, Washington State. *Pediatrics* 1979;63:419
6. Brender JW, **Marcuse EK**, Weiss NS, Koepsell TD. Is childhood appendicitis familial? *Am J Dis Child* 1985;139:338-340
7. Brender JW, Weiss NS, Koepsell TD, **Marcuse EK**. Fiber intake and childhood appendicitis. *Am J Public Health* 1985;75:399-400
8. Kastner L, **Marcuse EK**, McGuire T, Rothenberg MB. A method for the teaching of interviewing skills. *Am J Dis Child* 1985;139:899-902
9. Brender JW, **Marcuse EK**, Koepsell TD, Hatch EI. Childhood appendicitis: factors associated with perforation. *Pediatrics* 1985;76:301-306
10. Quan L, **Marcuse EK**. The epidemiology and treatment of radial head subluxation. *Am J Dis Child* 1985;139:1194-1197
11. Ramsey BW, **Marcuse EK**, Brewer D, Foy H, Cooney M, Smith A. Use of bacterial antigen detection in the diagnosis of pediatric lower respiratory tract infections. *Pediatrics* 1986;78:1-9
12. Holt V, **Marcuse EK**, Coombs J. Pediatrician's immunization consent practices in Washington State. *Am J Dis Child* 1987;141:734-735

Manuscripts in Refereed Journals, continued

13. Holt V, Coombs J, **Marcuse EK**. Family practitioners' immunization consent practice, Washington State. *Western J Med* 1988;148:477-479
14. Feldman KW, **Marcuse EK**, Springer D. Nutritional rickets in an urban pediatric office. *American Family Physician* 1990;42:1311-1318
15. **Marcuse EK**, Wentz KR. The NCES reconsidered: a summary of a 1989 workshop. *Vaccine* 1990;8:531-535.
16. Wentz KR, **Marcuse EK**. DTP vaccine and serious neurologic illness: an updated review of the epidemiologic evidence. *Pediatrics* 1991;87(3):287-297
17. Wright JA, **Marcuse EK**. Immunization practices of Washington State pediatricians – 1989. *Am J Dis Child* 1992;146:1033-1036
18. Lozano P, Biggs VM, Sibley BJ, Smith TM, **Marcuse EK**, Bergman AB. Advocacy training during pediatric residency. *Pediatrics* 1994;94:532-537
19. Davis RL, **Marcuse EK**, Black S, Shinefield H, Givens B, Schwalbe J, Ray P, Thompson RS, Chen R, and the Vaccine Safety Datalink Team. MMR2 at 4-5 years and 10-12 years of age. A comparison of adverse clinical events following immunization in the Vaccine Safety Datalink (VSD) Project. *Pediatrics*, 1997;100:767-771
20. Kwan-Gett TS, Lozano P, Mullin K, **Marcuse EK**. One-year experience with an inpatient asthma clinical pathway. *Archives of Pediatrics & Adolescent Medicine* 1997;151:684-9
21. Gellin BG, Maibach E, **Marcuse EK**. Do parents understand immunizations? A national telephone survey. *Pediatrics* 2000;106:1097-1102
22. Klein E, **Marcuse EK**, Jackson, JC, Watkins S, Hudgins L. The pediatric intern retreat: the 20-year evolution of a continuing investment. *Academic Medicine* 2000;75(8):853-857
23. Feudtner C, **Marcuse EK**. Ethics and immunization policy: promoting dialogue to sustain consensus. *Pediatrics* 2001;107(5):1158-1164
24. Kollmann TR, Klein EJ, Stefanelli CB, **Marcuse EK**. PPD anergy in Kawasaki Disease. *Ped Infect Dis J* 2001;20(1):81-82
25. Melzer SM, Molteni RA, **Marcuse EK**, Rivara FP. Characteristics and financial performance of a pediatric faculty inpatient attending service: a resource-based relative value scale (RBRVS) analysis. *Pediatrics* 2001;108(1):79-84
26. McPhillips HA, Davis RL, **Marcuse EK**, Taylor JA. The rotavirus vaccine's withdrawal and physicians' trust in vaccine safety mechanisms. *Arch Pediatr Adolesc Med* 2001;155(9):1051-1056
27. Offit PA, Quarles J, Gerber MA, Hackett CJ, **Marcuse EK**, Kollmann TR, Gellin BG, Landry S. Addressing parents' concerns: do multiple vaccines overwhelm or weaken the infant's immune system? *Pediatrics* 2002;109(1):124-129
28. Klein EJ, Jackson JC, Kratz L, **Marcuse EK**, McPhillips HA, Shugerman RP, Watkins S, Stapleton FB. Teaching professionalism to residents. *Academic Medicine* 2003;78(1):26-34
29. Liu L, Gallaher M, Davis R, Rutter C, Lewis T, **Marcuse EK**. Use of a respiratory clinical score among different providers. *Pediatr Pulmonol* 2004;37(3):243-248
30. Christakis D, Cowan C, Garreson M, Molteni R, **Marcuse EK**, Zerr D. Variation in inpatient diagnostic testing and management of bronchiolitis. *Pediatrics* 2005;115:878-884
31. Cohen AL, Rivara FP, **Marcuse EK**, McPhillips H, Davis R. Are language barriers associated with serious medical events in hospitalized pediatric patients? *Pediatrics* 2005;116:575-579
32. Garbutt J, Brownstein DR, Klein EJ, Waterman A, Krauss MJ, **Marcuse EK**, Hazel E, Dunagan WC, Fraser V, Gallagher TH. Reporting and disclosing medical errors: pediatricians' attitudes and behaviors. *Arch Pediatr Adolesc Med* 2007;161:179-185.
33. Zerr DM, Englund JA, Robertson, AS, **Marcuse EK**, Garrison MM, Christakis, DA. Hospital-based influenza vaccination of children: an opportunity to prevent subsequent hospitalization. *Pediatrics* 2008;121:345-3
34. Opel D, Diekema D, **Marcuse EK**. A critique of criteria for evaluating vaccines for inclusion in mandatory school immunization. *Pediatrics* 2008;122(2);e504-510.

Manuscripts in Refereed Journals, *continued*

35. Taylor JA, Rietberg K, Greenfield L, Bibus D, Yasuda K, **Marcuse EK**, Duchin JS: Effectiveness of a physician peer educator in improving the quality of immunization services for young children in primary care practices. *Vaccine* 2008;26:4256-4261.
36. Salmon DA, Pan WKY, Omer SB, Navar AM, Orenstein W, **Marcuse EK**, Taylor J, deHart MP, Stokley S, Carter T, Halsey NA. Vaccine knowledge and practices of primary care providers of exempt vs. vaccinated children. *Human Vaccines* 2008; 4(4):31-36.
37. Shurtleff DB, Loeser JD, Avellino AM, Duguay S, Englund JA, **Marcuse EK**, Peterson D. Haemophilus influenzae and Streptococcus Pneumoniae Infections in Children with Cerebrospinal Fluid Shunts. *Pediatric Neurosurgery* 2009;45:276-280.
38. Smith PJ, Humiston SG, **Marcuse EK**, Zhao Z, Dorell C, Howes C, Hibbs B. Parental Delay or Refusal of Vaccine Doses, Childhood Vaccination Coverage at 24 Months of Age, and the Health Belief Model. *Public Health Reports* 2011;126(Supplement 2):135-146.
39. Wightman A, Opel D, **Marcuse E**, Taylor J. Washington State Pediatricians' Attitudes Towards Alternative Childhood Immunization Schedules. *Pediatrics* 2011;128(6):1094-1099
40. Mergler MJ, Omer SB, Pan WKY, Navar-Boggan AM, Orenstein W, **Marcuse EK**, Taylor J, deHart MP, Carter TC, Damico A, Halsey N, Salmon DA. Are Recent Medical Graduates More Skeptical of Vaccines? *Vaccines* 2013;1(2):154-166

Committee Statements and Papers:

1. American Academy of Pediatrics Committee on Infectious Diseases. Treatment of bacterial meningitis. *Pediatrics* 1988;81:904-907
2. AAP Committee on Infectious Diseases. *Haemophilus influenzae* type b conjugate vaccines. *Pediatrics* 1988;81:908-911
3. AAP Committee on Infectious Diseases. *Haemophilus influenzae* type b conjugate vaccines: Update. *Pediatrics* 1989;84:386-387
4. AAP Committee on Infectious Diseases. Measles: reassessment of current immunization policy. *Pediatrics* 1989;84:1110-1113
5. AAP Committee on Infectious Diseases. Parvovirus, erythema infectiosum, and pregnancy. *Pediatrics* 1990;85:131-133
6. AAP Committee on Infectious Diseases. Treatment of Lyme borreliosis. *Pediatrics* 1991;88:176-179
7. AAP Committee on Infectious Diseases. The relationship between pertussis vaccine and brain damage: reassessment. *Pediatrics* 1991;88:397-400
8. National Vaccine Advisory Committee. The measles epidemic: the problems, barriers and recommendations. *JAMA* 1991;266:1547-1552
9. AAP Committee on Infectious Diseases. Acellular pertussis vaccines: recommendations for use as the fourth and fifth doses. *Pediatrics* 1992;90:121-123
10. AAP Committee on Infectious Diseases. Chemotherapy for tuberculosis in infants and children. *Pediatrics* 1992;89:161-165
11. AAP Committee on Infectious Diseases. Universal hepatitis B immunization. *Pediatrics* 1992;89:795-800
12. AAP Committee on Infectious Diseases. Guidelines for the prevention of group B streptococcal (GBS) infection by chemoprophylaxis. *Pediatrics* 1992;90:775-778
13. National Vaccine Advisory Committee. Access to childhood immunizations: recommendations and strategies for action. National Vaccine Program, Department of Health and Human Services, April 1992
14. AAP Committee on Infectious Diseases. *Haemophilus influenzae* type b conjugate vaccines: recommendations for immunization with recently and previously licensed vaccines. *Pediatrics* 1993;92:480-489
15. Ad Hoc Working Group for the Development of Standards for Pediatric Immunization Practices. Standards for pediatric immunization practices. *JAMA* 1993;29:1817-1822

Committee Statements and Papers, continued

16. AAP Committee on Infectious Diseases. Use of ribavirin in the treatment of respiratory syncytial virus infection. *Pediatrics* 1993;92:501-504
17. AAP Committee on Infectious Diseases. The use of oral acyclovir in otherwise healthy children with varicella. *Pediatrics* 1993;91:674-676
18. AAP Committee on Infectious Diseases. Acellular pertussis vaccine: an update on recommendations for use as the fourth and fifth doses. *AAP NEWS* June 1993
19. AAP Committee on Infectious Diseases. Vitamin A treatment of measles. *Pediatrics* 1993;91:1014-1015
20. National Vaccine Advisory Committee. State and local impediments to childhood immunization services. National Vaccine Program, Department of Health and Human Services. March 1994
21. AAP Committee on Infectious Diseases. Recommended timing of routine measles immunization for children who have recently received immune globulin preparations. *Pediatrics* 1994;93:682-685
22. AAP Committee on Infectious Diseases. Screening for tuberculosis in infants and children. *Pediatrics* 1994;94:131-134
23. National Vaccine Advisory Committee. U.S. vaccine research: a delicate fabric of public and private collaboration. *Pediatrics* 1997;100:1015-1020
24. National Vaccine Advisory Committee. Lessons learned from a review of the development of selected vaccines. *Pediatrics* 1999;104;4:942-950
25. National Vaccine Advisory Committee. Strategies to sustain success in childhood immunization. *JAMA* 1999;282:363-370
26. Centers for Disease Control and Prevention. Adult immunization programs in nontraditional settings: quality standards and guidance for program evaluation – a report of the National Vaccine Advisory Committee. *MMWR* 2000;49(RR-1):1-13
27. AAP Steering Committee on Quality Improvement and Management 2003-2004; Lead authors: Shiffman R, **Marcuse EK**, et al. A classification of recommendations for clinical practice guidelines. *Pediatrics* 2004; 114(3): 874-877
28. Centers for Disease Control and Prevention. Recommendations of the Advisory Committee on Immunization Practices (ACIP). General recommendations on immunization. Kroger, AT, Atkinson WL, **Marcuse EK**, Pickering LK. *MMWR* 2006;55(RR-15)
29. AAP Steering Committee on Quality Improvement and Management 2006-2007; Lead authors: Shiffman, R, **Marcuse EK**, Moyer VA, Neuspiel DR. Toward transparent clinical policies. *Pediatrics* 2008;121(3):643-646
30. Committee on Review of Priorities in the National Vaccine Plan; Institute of Medicine. *Priorities for the National Vaccine Plan*. The National Academies Press, Washington DC, 2010
31. Advisory Committee on Immunization Practices Evidence Based Recommendations Work Group. Methods for developing evidence-based recommendations by the Advisory Committee on Immunization Practices (ACIP) of the U.S. Centers for Disease Control and Prevention (CDC). *Vaccine* 2011;29(49):9171-9176.

Chapters:

1. **Marcuse EK**. Bacterial meningitis, diphtheria and pertussis. In Waechter EH and Blake FG (eds), *Nursing Care of Children*, 9th Edition, Philadelphia: J.B. Lippincott Co., 1976
2. **Marcuse EK**. Diphtheria. In Last JM (ed), *Preventive Medicine and Public Health*, New York: Appleton-Century-Crofts, 1980
3. Diekema DS, **Marcuse EK**. Ethical issues in the vaccination of children. In Burgio GR and Lantos JD (eds), *Primum Non Nocere, Today, 2nd Ed.*, Amsterdam, NL: Elsevier, 1998
4. Jackson LA, **Marcuse EK**. Measles. In Burg FD, Dolin RA, Ingelfinger JR and Wald ER (eds), *Current Pediatric Therapy*, Philadelphia: W.B. Saunders Co., 1999
5. Lynch HJ, **Marcuse EK**. Chapter 10: Vaccines and Immunization. In Mayer and Pizer (eds), *Social Ecology of Infectious Diseases*, Amsterdam, NL: Elsevier, 2008

Editorials:

1. **Marcuse EK.** A rubella tarantella. *J Med Assoc of GA* 1971;60:69
2. **Marcuse EK.** Immunization: an embarrassing failure. *Pediatrics* 1975;56:493-494
3. **Marcuse EK.** Can we design a better immunization mouse trap? *Pediatrics* 1979;63:501
4. **Marcuse EK.** A grain of salt. *Pediatrics* 1982;70:646-647
5. Daum RS, **Marcuse EK**, Giebink GS, et al. *Haemophilus influenzae* type b vaccines: lessons from the past. *Pediatrics* 1988;81:893-897
6. **Marcuse EK.** Why wait for DTP-E-IPV: The 1988 Institute of Medicine Polio Vaccine Recommendations reconsidered. *Am J Dis Child* 1989;143:1006-1007
7. **Marcuse EK.** U.S. immunization system Rx: install new components. *AJDC* 1993;147:813-815
8. **Marcuse EK.** Rhett Butler and the superior physician. *Journal of the American Board of Family Practice* July-Aug 1995;8:1-3
9. Grabowsky M, Orenstein WA, **Marcuse EK.** The critical role of provider practices in undervaccination. *Pediatrics* 1996;87:735-737
10. Wilson CB, **Marcuse EK.** Vaccine safety-vaccine benefit: science and the public's perception. *Nature Immunology* 2001;1:160-164
11. Poland GA, **Marcuse EK.** Vaccine availability in the US: problems and solutions. *Nature Immunology* 2004;5:1195-1198
12. Opel DJ, Diekema DS, Lee NR, **Marcuse EK.** Social marketing as a strategy to increase immunization rates. *Arch Pediatr Adolesc Med* 2009;163:432-437
13. **Marcuse EK**, Bergman AB. Jack M. Docter, 1915-2008. *King County Medical Society Bulletin*. March 2009
14. Opel DJ, Diekema DS, **Marcuse EK.** Assuring research integrity in the wake of Wakefield. *British Medical Journal BMJ* 2011;342:d2
15. Poland GA, **Marcuse EK.** Developing vaccine policy: attributes of "Just Policy" and a proposed template to guide decision-making. *Vaccine* 2011;29(44):7577-7578
16. **Marcuse EK.** Reflections on U.S. immunization challenges: Lady Montague, where are you? *Pediatrics* 2011;128(6):1192-1194
17. **Marcuse EK.** Prudent personal belief exemption policies. *Archives of Pediatrics and Adolescent Medicine* 2012;166(12):1093-1097
18. Opel DJ, **Marcuse EK.** The enigma of alternative childhood immunization schedules: what are the questions? [published online January 21, 2013] *JAMA Pediatrics*. doi:10.1001/jamapediatrics.2013.786
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2. **Marcuse EK**, Redford MH. Legalized abortion in Washington State. Battelle Population Study Center, Seattle, Washington, 1973
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4. **Marcuse EK.** Nitrous oxide-oxygen sedation for minor surgery? *Pediatrics* 1982;69:168
5. **Marcuse EK.** Removal of cerumen. *JAMA* 1984;251:1681 (letter)
6. **Marcuse EK**, Quan L. Radiograph for coin ingestion. *Annals of Emergency Medicine* 1986;15:384 (letter)
7. **Marcuse EK.** Point-Counterpoint: Strep in pets – to culture or not. *Pediatrics in Review* 1987;8:254
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9. **Marcuse EK.** Q&A: Age of initiation of *Haemophilus b* vaccine. *Pediatr Infect Dis J* 1991;10:260

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11. **Marcuse EK**. Editorial: No more shots in the dark. *NW Bulletin* 1992;6(1):2-3
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15. MacDonald N, **Marcuse EK**. Does immunization in the buttocks cause sciatic nerve injury? *Pediatrics* 1994;93:351 (letter)
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25. Dworkin MS, Alexander ER, Boase JC, DeBolt CA, Goldoft MJ, Green DL, **Marcuse EK**. Pertussis: What Washington State health care providers need to know. Washington State Department of Health, 1997
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2. Melzer SM, **Marcuse EK**, Rivara FP. Characteristics and Financial Performance of a Children's Hospital Faculty Inpatient Attending Service. Pediatric Academic Societies & American Academy of Pediatrics Joint Meeting, 2000
3. Gellin BG, Maibach EW, **Marcuse EK**. Parents' Understanding of Immunization: A National Survey. Pediatric Academic Societies & American Academy of Pediatrics Joint Meeting, 2000
4. McPhillips HA, Davis, RL, **Marcuse EK**, Taylor JA. Rotavirus Vaccine's Withdrawal and Physician Trust in Vaccine Safety Mechanisms: A National Survey. Pediatric Academic Societies Meeting, 2001
5. Bernier R, Cochi S, Cooper L, Evans G, Hamlin MD, Hinman A, Landry S, **Marcuse EK**, Stratton K. Exploring Increased Public Participation in Making Public Health Policy Decisions – The Case of Pandemic Influenza and Our Pending Decision About Who First to Vaccinate. American Epidemiological Society Annual Meeting, March 2005
6. Cohen AL, Rivara F, **Marcuse E**, McPhillips H, Davis R. Language Barriers Are Associated with Serious Medical Events in Hospitalized Pediatric Patients. Pediatric Academic Societies Meeting, 2005
7. Salmon DA, Pan WK, Omer SB, Orenstein W, **Marcuse EK**, Taylor J, DeHart MP, Stokley S, Halsey N. The Role of Health Care Providers in Influencing Parental Vaccine Refusal: A Case Control Study, 41st National Immunization Conference, March 2006
8. Salmon DA, Pan WK, Omer SB, Orenstein W, **Marcuse EK**, Taylor J, DeHart MP, Stokley S, Halsey N. The Role of Health Care Providers in Influencing Parental Vaccine Refusal: A Case Control Study, Pediatric Academic Societies Meeting, 2008
9. **Marcuse EK**, Colkitt G, Chambers, N. One Stone, Two Birds: Achieving Handoff Education Through Data Collection. NACHRI Annual Meeting, October 2008 (Selected Best Poster Presentation)
10. Mergler M, Pan W, Omer S, Navar AM, Orenstein W, **Marcuse EK**, Taylor J, Dehart MP, Carter T, Halsey N, Salmon D. The Association Between Parental and Provider Vaccination Beliefs: A Case Control Study. 44th National Immunization Conference, April 2010
11. **Marcuse E**, Bardi J, Heller G, Potter F. Saving Universal Purchase of Childhood Vaccines in Washington State. National Immunization Conference, March 2011
12. Wightman A, Opel DJ, Taylor J, **Marcuse EK**. Washington State Pediatricians' Attitudes Towards Alternative Childhood Immunization Schedules. Pediatric Academic Societies, April-May 2011
13. Smith PJ, Humiston SG, **Marcuse EK**, Zhao Z, Wallace G. Children and Adolescents Not Vaccinated Against Measles: Results from the National Immunization Survey. Pediatric Academic Societies, May 2013
14. Ridpath J, Kindall M, Henrikson N, **Marcuse E**, Dunn J, Opel D, Roberts M, Grossman D. Let's Talk Vaccines: Developing a Communications Toolkit to Support Effective Provider-Parent Conversations. National Conference on Health Communication, Marketing, and Media, August 2013

INVITED PRESENTATIONS OF SPECIAL SIGNIFICANCE

1. **Marcuse EK**, Kastner L, McGuire T, Rothenberg MB. Challenging interview situations in pediatrics. Workshop, Ambulatory Pediatric Association, Washington DC; May 1983

Invited Presentations of Special Significance, *continued*

2. Ramsey BW, **Marcuse EK**. Are the clinical presentations of viral, bacterial and mycoplasma pneumonia different? Paper, Clinical Issues Section, Ambulatory Pediatric Association, San Francisco, CA; May 1984
3. Brender JW, **Marcuse EK**. Acute appendicitis: factors associated with perforation in children. Paper, Plenary Session, Ambulatory Pediatric Association, San Francisco, CA; May 1984
4. Brender JW, Weiss NS, Koepsell TD, **Marcuse EK**. Epidemiology of appendicitis: a case-control study. Paper, Epidemiology Section, American Pediatric Society, San Francisco, CA; May 1984
5. **Marcuse EK**, McGuire T, Kastner L. Interviewing: challenging situations. Workshop, Ambulatory Pediatric Association, Washington, DC; May 1986
6. **Marcuse EK**. Panel member and rapporteur, Workshop on National Childhood Encephalopathy Study (NCES). Institute of Medicine, Washington, D.C.; November 1989
7. **Marcuse EK**. Immunization: upshot of recent developments. Plenary Session, American Academy of Pediatrics, Seattle, WA; May 1990
8. Bergman AB, **Marcuse EK**, Kastner L. Challenging pediatric interviews. Workshop, American Academy of Pediatrics, Boston, MA; October 1990
9. **Marcuse EK**, Wentz KR. DTP and neurologic illness. Interscience Conference on Antimicrobial Agents and Chemotherapy; October 1990
10. **Marcuse EK**. Immunization update. American Academy of Pediatrics Spring Meeting, San Diego, CA; March 1991
11. **Marcuse EK**. US pediatrics, child health, and the American Academy of Pediatrics. National Conference on Outpatient Pediatrics and Emergency Medicine. Guangzhou, People's Republic of China; March 1991
12. **Marcuse EK**. Changes in US children's hospitals 1971-1991. National Meeting, Children's Hospital Directors, Guangzhou, People's Republic of China; March 1991
13. **Marcuse EK**. Obstacles to immunization in the private sector. National Immunization Conference, Washington, DC; June 1991
14. Bergman AB, **Marcuse EK**, Kastner L. Challenging pediatric interviews. Workshop, American Academy of Pediatrics, New Orleans, LA; October 1991
15. **Marcuse EK**. Access to childhood immunization: recommendations and strategies for action. National Immunization Conference, St. Louis, MO; June 1992
16. **Marcuse EK**. Testimony before a Joint Hearing of the Senate Committee on Labor and Human Resources and House Subcommittee on Health and the Environment, on The Comprehensive Childhood Immunization Act of 1993, on behalf of the American Academy of Pediatrics; April 1993
17. Bergman AB, Biggs VM, Lozano P, Smith RM, **Marcuse EK**. Child advocacy training in a pediatric residency workshop. Ambulatory Pediatric Association, Washington, DC; May 1993
18. **Marcuse EK**. The elusive promise of vaccines. John P. Fox Memorial Lecture. University of Washington School of Public Health, Seattle, WA; May 1993
19. **Marcuse EK**. Pediatric practice perspective: computerized immunization registry. Section on Computers and Other Technologies. American Academy of Pediatrics, Washington DC; November 1993
20. **Marcuse EK**. Testimony before the Human Resources and Intergovernmental Relations Subcommittee of the House Government Operations Committee, on Reinventing the federal food safety system – U.S. Department of Agriculture's (USDA) progress in reforming meat and poultry inspection. On behalf of Children's Hospital and Medical Center; November 4, 1993.
21. **Marcuse EK**. The challenge of modern immunization practice in primary care; National Immunization Program. Implementation of the Childhood Immunization Initiative, Atlanta, GA; March 1994
22. **Marcuse EK**. Pediatric immunization update. Uniformed Services Pediatric Seminar, Seattle, WA; March 1994
23. **Marcuse EK**. Private provider perspective on childhood immunization initiative. National Immunization Conference, Charlotte, NC; June 1994

Invited Presentations of Special Significance, *continued*

24. Bergman AB, Sibley B, **Marcuse EK**. Child advocacy training during pediatric residency. Section Program, American Academy of Pediatrics, Dallas, TX; October 1994
25. **Marcuse EK**. The challenge of immunization practice: obstacles and opportunities. Visiting Professor, Stanford University School of Medicine, Department of Pediatrics, Valley Medical Center, San Jose, CA; October 1994
26. **Marcuse EK**. Immunization: promise, policy and practice. Maricopa-Pima Visiting Professor, Department of Pediatrics, University of Arizona, Tucson and Maricopa Medical Center, Phoenix, AZ; November 1994
27. **Marcuse EK**. Integrating public and private sector immunization. Albert Sabin Foundation Colloquium: Planning for the Next Generation of Vaccines. Cold Spring Harbor, NY; December 1994
28. **Marcuse EK**. Moderator, Plenary Session: Racing toward 2000 – working together as partners in prevention. National Immunization Conference, Los Angeles, CA; May 1995
29. **Marcuse EK**. Problems in implementation of vaccines. Child Health 2000 – 2nd World Congress and Exposition. Vancouver, BC; June 1995
30. **Marcuse EK**. Organizer, Moderator: Urinary tract infections. Dialogue Session, American Academy of Pediatrics, San Francisco, CA; October 1995
31. **Marcuse EK**. Moderator: Vaccine delivery in pediatric and family practice. Albert Sabin Foundation Colloquium: Vaccine Development in the Managed Care Era. Cold Spring Harbor, NY; November 1995
32. **Marcuse EK**. Organizer, Moderator: Controversies in the management of common infectious diseases – view from the office, ED and ID service. American Academy of Pediatrics, Chicago, IL; April 1996
33. Darden PM, Humiston S, Langkamp D, Kittredge D, Kraus R, **Marcuse EK**. How should immunization delivery be taught? Workshop, Ambulatory Pediatric Association, Washington DC; May 1997
34. **Marcuse EK**. Organizer, Moderator: Mini-course in pediatric infectious disease. American Academy of Pediatrics, San Diego, CA; May 1997
35. **Marcuse EK**. Organizer, Moderator: Infections in child care: managing the dilemma. Dialogue Session, American Academy of Pediatrics, New Orleans, LA; October 1997
36. **Marcuse EK**. Participant: CDC National Immunization Teleconference, February 1998
37. **Marcuse EK**. Universal Vaccine Purchase. American Academy of Pediatrics District VIII & IX Meeting, Maui, HI; February 1999
38. **Marcuse EK**. Moderator: Plenary Session – Public Trust in Immunization. 34th National Immunization Conference, Washington, DC; July 2000
39. **Marcuse EK**. Vaccine Safety & Immunization Practice. Hawaii Immunization Coalition Symposium, Honolulu, HI; October 2000
40. **Marcuse EK**. Immunization Hesitancy: Multiple Immunizations and Immune Overload. Institute of Medicine – Immunization Safety Review Committee, Seattle, WA; November 2001
41. **Marcuse EK**, McPhillips HA. Finding the balance: Duty to protect the public health versus an individual's right to choose. National Conference of State Legislatures' National Health Policy Conference – Session on Vaccine Safety, Seattle, WA; November 2001
42. **Marcuse EK**. Plenary presentation – Life, Liberty and the Pursuit of Public Health: Reflections on Mandates and Exemptions. 36th National Immunization Conference Proceedings, Denver, CO; May 2002, 110-112
43. Gellin BG, **Marcuse EK**. Vaccine Concerns of Pediatricians, Parents and the Public. Seminar, American Academy of Pediatrics, National Conference & Exhibition, Boston, MA; October 2002
44. **Marcuse EK**. Science, Public Opinion and Policy. International Workshop: Vaccination in Tomorrow's Society, Fondation Mérieux, Veyrier du Lac, France; February 2003
45. **Marcuse EK**. Science, Public Opinion and Policy: Sustaining Immunization Consensus. 37th National Immunization Conference, Chicago, IL; March 2003.
46. **Marcuse EK**. Sustaining Immunization Consensus. Washington State Public Health Association, Yakima, WA; October 2003

Invited Presentations of Special Significance, *continued*

47. **Marcuse EK.** Financing Vaccines. Board of Health, Seattle/King County. Seattle, WA; January 2004
48. **Marcuse EK.** Immunization Challenges for US. American Academy of Pediatrics, District I & VIII Meeting. Seattle, WA; March 2004
49. **Marcuse EK.** Science, Public Opinion and Policy; Sustaining Immunization Consensus: Role of the School Nurse. 36th Annual Conference of School Nurses, Seattle WA; July 2004
50. **Marcuse EK,** Miller MR, Lehman C. From “Blame & Shame” to a Culture of Patient Safety. American Academy of Pediatrics National Conference & Exhibition, San Francisco, CA; October 2004
51. **Marcuse EK,** Orenstein WA. Vaccine Safety Issues and Immunization Hesitancy. American Academy of Pediatrics, National Conference & Exhibition, Washington DC; October 2005.
52. **Marcuse EK,** First L. In Case You Missed It...Interesting Articles from AAP Grand Rounds That May Change the Way You Practice! American Academy of Pediatrics, National Conference & Exhibition, Atlanta, GA; October 2006
53. **Marcuse EK.** An American Perspective on Compulsory Approaches to Vaccine Policy, The Global Challenge of Vaccination: Legal Challenges, Ethical Conundrums, Philadelphia, PA; March 2007
54. **Marcuse EK.** The Origins of Immunization Hesitancy, American Academy of Pediatrics, National Conference and Exhibition, San Francisco, CA; October 2007
55. **Marcuse EK,** Myers M, Orenstein W. Vaccine Safety, Pediatric Academic Societies, Honolulu, HI; May 2008
56. Brownstein D, Michels, E, **Marcuse EK,** Stone, K: Root Cause Analysis, Why? What? Where? Workshop, Pediatric Academic Societies, Honolulu, HI; May 2008
57. **Marcuse EK,** First L. In Case You Missed It...Interesting Articles from AAP Grand Rounds That May Change the Way You Practice! American Academy of Pediatrics, National Conference & Exhibition, Boston, MA; October 2008
58. **Marcuse EK.** Communicating With Parents Who Refuse Immunizations. American Academy of Pediatrics, National Conference & Exhibition, Boston, MA; October 2008
59. **Marcuse EK.** Immunization Hesitancy: A Rising Tide. Schneiderman Memorial Bioethics Lecture, Irvine, CA; March 2009
60. **Marcuse EK.** Lady Montague: Where Are You? Reflections on US Immunization Challenges. San Antonio Health District, Infant Immunization Week, San Antonio, TX; May 2009.
61. **Marcuse EK.** Lady Montague: Where Are You? Reflections on US Immunization Challenges. 54th Annual Paul W. Beaven Lecture, Rochester, NY; March 2010
62. Opel D, Diekema D, **Marcuse EK.** Rising to the Occasion: Strategies for Communicating with Vaccine Hesitant Parents. Pediatric Academic Societies, Vancouver, BC; June 2010
63. **Marcuse EK.** There Never Was an Age of Reason: Turning the Tide on Vaccine Hesitancy. 45th National Immunization Conference, Washington, DC; March 2011
64. Opel D, Diekema D, **Marcuse EK.** Rising to the Occasion: Strategies for Communicating with Vaccine Hesitant Parents. Pediatric Academic Societies, Denver, CO; May 2011
65. **Marcuse EK.** Understanding and Addressing Vaccine Hesitancy. NW Public Health Leadership Institute, webinar; October 2011
66. **Marcuse EK.** Understanding and Addressing Vaccine Hesitancy. Northwest Center for Public Health Practice, webinar; December 2011
67. **Marcuse EK.** Process for Making U.S. Immunization Recommendations & Schedule: An Overview. Institutes of Medicine Committee on Assessment of Health Outcomes Related to Immunization, Seattle, WA; March 2012