

**DUKE UNIVERSITY MEDICAL CENTER
CURRICULUM VITAE**

Date prepared: April 17, 2023

Name: **Dennis Alfred Clements III MD MPH PhD**

Primary Academic Appointment: **PEDIATRICS**

Social Security Number: ***_**_****

Present Academic Rank: Professor Emeritus (7/1/2019)
Department of Pediatrics
Duke University Medical Center (DUMC)
Durham, NC 27710 USA

Professor Global Health (7/1/2007)
Duke University
Durham, NC 27708 USA

Professor (10/1/2002)
Dept. Community & Family Medicine
DUMC, Durham, NC 27710 USA

Professor (9/1/2003)
Department of Medicine
DUMC, Durham, NC 27710 USA

Professor (5/01/2008)
School of Nursing
DUMC, Durham, NC 27710 USA

Adjunct Professor (9/1/02)
Department of Epidemiology
School of Public Health
University of North Carolina
Chapel Hill, NC, USA

Date and Rank of first Duke appt: Pediatric Clinical Associate (7/1/78)

Medical licensure: 1) Diplomat National Board of Medical Examiners (123019) 1974
2) North Carolina State License (19587) 1974

Specialty Certification: American Board of Pediatrics (21196) 1978
Pediatric Infectious Diseases (000531) (not renewed) 1997

Date of birth: 30 November 1946

Place of birth: Birmingham, Alabama, USA

Citizen of: USA

Education:	<u>Place</u>	<u>Degree</u>	<u>Date</u>
High School	Leysin, Switzerland	Diploma	1964
University	Johns Hopkins, Maryland	BA	1968
Graduate School	Univ. of Rochester, NY	MD	1973
	UNC - Chapel Hill, NC	MPH	1988
	UNC – Chapel Hill, NC	Ph.D.	1990
(School of Public Health - Epidemiology “Risk Factors for HIB Disease in Australia”)			

PROFESSIONAL TRAINING AND ACADEMIC CAREER

Residency:

Pediatrics, (PL1, PL2, PL3) Duke University Medical Center Durham, N. C. 27710	1973-1976
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Military Service:

Flight Surgeon, USAF, Norton AFB, CA	1976-1978
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Private Pediatric Practice:

Partner, Durham Pediatrics Central Medical Park Durham, NC 27705	1978-1986
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Fellowships:

Pediatric Infectious Diseases Duke University Medical Center Durham, N. C. 27710	1986-1988
Fellow, Department of Microbiology/Infectious Diseases Royal Children's Hospital Melbourne, Victoria 3052 AUSTRALIA	1988-1990

Occupation:

Medical Director, Duke Primary Care	1998-2005
Vice Chair Pediatrics for Primary Care Services	1997-2005
ID Attending Staff Duke Children’s and Durham VA hospitals	1990-2005
Interim Chair Department of Pediatrics (1 March 2004-30 June 2005)	2004-2005
Chief Medical Officer of the Duke Children’s Hospital	2005-2007
Executive Vice-Chair for Clinical Services – Department of Pediatrics	2005-2007
Division Chief Duke Children’s Primary Care	1994-2016
Course Director, Exploring Medicine in Other Cultures - Duke Med	2000-present
Advisor, Medical Spanish Course – Duke Medical School	2004-2020
Senior Advisor/ Interim Director – Duke Global Health Institute	2007-present
Director, Center for Latin American and Caribbean Studies	2008-2012
Co-Director, Consortium for Latin American & Caribbean Studies	2008-present

Present Address:

Box 90519
Durham, NC 27708
tel (919-681-7720)
fax (919-681-7748)
Email: dennis.clements@duke.edu

PUBLICATIONS

1. Refereed Journals:

- 1) Vogel CL, **Clements DA**, et al. Phase II Trials of BCNU and Bleomycin in the treatment of Kaposi's Sarcoma. *Cancer Chemotherapy Reports* **1973**;57:325-33.
- 2) **Clements DA** and Gilbert GL. *Haemophilus influenzae* type b Infection: Victoria and Worldwide. *Aust Microbiologist* **1989**;10:523-526.
- 3) **Clements DA**, Gilbert GL. Increase in *Neisseria meningitidis* Infection in Australia. *Lancet* **1989**;12(2):1464.
- 4) **Clements DA**. *Haemophilus influenzae* type b Infections in Australia and Worldwide. Australian Society for Microbiology - Tasmania Branch. **1989**;4:3-6.
- 5) **Clements DA**, Wilfert CM, MacCormack JN, Weigle KA and Denny FW. Pertussis Immunization in eight-month-old children in North Carolina. *Am J Pub Health* **1990**;80:734-736.
- 6) Gilbert GL, **Clements DA**, Broughton SJ. *Haemophilus influenzae* type b infections in Victoria, Australia 1985-87. A population based study to determine the need for immunization. *Pediatr Infect Dis J* **1990**;9:252-257.
- 7) **Clements DA**, Rouse JB, London WL, Yancy WS, Moggio MV and Wilfert CM. Antibody response of 18 month old children 1 and 18 months following *Haemophilus influenzae* type b (PRP) vaccine administered singly or with DTP vaccine. *Journal of Paediatrics and Child Health* **1990**;26:46-49.
- 8) **Clements DA**, Gilbert GL. Immunization against *Haemophilus influenzae*. *Med J Aust* **1990**;152:397-398.
- 9) **Clements DA**, Gilbert GL. Immunization for the prevention of *Haemophilus influenzae* type b disease: A review. *Australian and New Zealand J of Medicine* **1990**;20:828-34.
- 10) **Clements DA**. *Haemophilus influenzae* type b: A description of the organism, the components of the cell envelope and their contribution to virulence. *Austr Microbiologist* **1990**;11:427-30.
- 11) **Clements DA**, Guise IA, MacInnes SJ, Gilbert GL. *Haemophilus influenzae* type b infections in Victoria, Australia 1985-89. *J Infect Dis* **1992**;165(suppl):S33-34.

12) Takala AK, **Clements DA**. Socioeconomic Risk Factors for invasive *Haemophilus influenzae* type b Disease. *J Infect Dis*:**1992**;165(suppl): S11-15.

13) **Clements DA**, MacInnis SJ, Gilbert GL. Outer membrane protein (OMP) subtypes of *Haemophilus influenzae* type b (HIB) causing invasive disease in Victoria, Australia 1988-90. *J Clin Micro* **1992**;:1879-81.

14) **Clements DA**, Guise I, Sherry A. Day care attendance rates in Victoria, Australia 1988-90. Implications for the future. *J Paediatr Child Health* **1992**;29:71.

15) **Clements DA**, Booy R, Dagan R, Gilbert GL, Moxon ER, Slack M, Takala A, Zimmermann HP, Zuber LF, Eskola J. A Comparison of Epidemiology and Cost of *Haemophilus influenzae* type b (Hib) Disease in Five Western Countries. *Ped Infect Dis J*. **1993**;12:362-367.

16) Gilbert GL and **Clements DA**. Distribution of *Haemophilus influenzae* type b outer membrane protein subtypes in different ethnic groups in Australia. *J Infect Dis* **1993**;168:255.

17) **Clements DA**, Katz SL. Varicella in a susceptible pregnant woman. *Curr Clin Top Infect Dis* **1993**;13:123-130.

18) Walter E, Drucker R, **Clements DA**. A major barrier to the universal immunization of infants against Hepatitis B. *Arch Pediatr Adolesc Med* **1994**;148:538-539.

19) Clements DA. Cost of Treatment and Prevention of *Haemophilus influenzae* type b Disease: An International Perspective. *Pharmacoeconomics* **1994**; 6(5):442-452.

20) Walter EB, Simmons SS, **Clements DA**. Anti-PRP antibody levels five years after a primary series of *Haemophilus influenzae* type b HIB conjugate vaccine. *J Infect Dis* **1994**;170:1050-1.

21) Jones SE, Armstrong CB, Bland C, Walter EB, **Clements DA**. Varicella Prevalence in Day Care Centers. *Pediatric Infect Dis* **1995**;14:404-405.

22) Walter EB, Elliott AJ, Regan AN, Drucker RP, **Clements DA**, Wilfert CM. Maternal Acceptance of Voluntary Human Immunodeficiency Virus Antibody Testing During the Newborn Period using the Guthrie Card. *Pediatr Infect Dis J* **1995**; 14:376-81.

23) **Clements DA**, Armstrong CB, Ursano AM, Moggio MV, Walter EB, Wilfert CM. Over five-year follow-up of Oka/Merck varicella vaccine recipients in 465 infants and adolescents. *Pediatr Infect Dis J* **1995**;14:874-9.

24) Watson B, Rothstein E, Bernstein H, Arbeter A, Arvin A, Chartrand S, **Clements D**, Kumar ML, Reisinger K, Blatter M, Starr SE, Straehle B, Ngai A, White CJ. Safety and Cellular and Humoral Immune Responses of a Booster Dose of Varicella Vaccine 6 Years after Primary Immunization. *J of Infect Dis* **1995**;172:217-9.

25) Gilbert GL, Johnson PD, **Clements DA**. Clinical manifestations and outcome of *Haemophilus influenzae* type b disease. *J Paediatr Child Health* **1995**;31:99-104.

- 26) **Clements DA**, Weigle, KA, and Gilbert GL. A case-control study examining risk factors for invasive *Haemophilus influenzae* type b disease in Victoria, Australia 1988-90. *J Paediatr. Child Health* **1995**;31:513-518.
- 27) **Clements DA**, Langdon ML, Bland CL, Walter EB. Influenza A Vaccine Decreases the Incidence of Otitis Media in 6-30 Month Old Day Care Children. *Archives of Pediatrics and Adolescent Medicine* **1995**;149:1113-1117.
- 28) Kuter BJ, Ngai AL, Patterson CM et al. Safety, tolerability and immunogenicity of two regimens of OKA/Merck varicella vaccine in healthy adolescents and adults. *Vaccine* **1995**;13:967-972.
- 29) Combs SP, Walter EB, Drucker RP, **Clements DA**. Removing a Major Barrier to Universal Hepatitis B Immunization in Infants. *Archives of Pediatrics and Adolescent Medicine* **1996**;150:112-114.
- 30) Ngai AL, Staehle BO, Kuter BJ et al. Safety and Immunogenicity of one vs. two injections of Oka/Merck Varicella Vaccine in Healthy Children. *Ped Infect Dis J* **1996**;15:49-54.
- 31) **Clements DA**. Influenza A Vaccine and the Incidence of Otitis Media. *Archives of Pediatrics and Adolescent Medicine* **1996**;150:652-3.
- 32) **Clements DA**. Modified Varicella-Like Syndrome. *Infectious Disease Clinics of North America* **1996**;10(3):617-629.
- 33) Walter EW, Simmons SS, Bland CL, **Clements DA**. Modified varicella like syndrome in children previously vaccinated with live attenuated measles, mumps, rubella and varicella vaccine. *Ped Infect Dis J* **1997**;16:626-627.
- 34) **Clements DA**. Use of Influenza A vaccines in children. *Balliere's Clinical Paediatrics: Respiratory Infections: Prevention and Review* **1997**;5:157-170.
- 35) Reuman PD, Sawyer MH, Kuter BJ, Matthews H and the MMRV Study Group. Safety and immunogenicity of concurrent administration of measles-mumps-rubella-varicella vaccine and PedvaxHIB vaccines in healthy children twelve to eighteen months old. *Pediatric Infect Dis J* **1997**;16:662-7.
- 36) Walter EB, Sung J, Meine EK, Drucker RP, **Clements DA**. Lack of effectiveness of a letter reminder for annual influenza immunization of asthmatic children. *Ped Infect Dis J* **1997**;16:1187-1188.
- 37) Rennels MB, Hohenboken MJ, Reisinger KS, **Clements DA** et al. Comparison of acellular DTP and *Haemophilus influenzae* type b vaccines administered separately versus combined in younger versus older toddlers. *Pediatr Infect Dis J*:**1998**;17:164-166.
- 38) Meine EK, Bailey SR, Drucker RP, **Clements DA**, Walter EB. Varicella vaccination in a primary care pediatric practice. *Archives of Pediatrics and Adolescent Medicine* **1998**;152 (608-609).

39) Walter EB and **Clements DA**. Travel consultation for children in a University Affiliated Primary Care Setting. *Ped Infect Dis J*. **1998**;17:841-843.

40) Walter EB, Hornick R, Poland GA, Tucker R et al. Concurrent Administration of Inactivated Hepatitis A Vaccine with Immune Globulin in Adults. *Vaccine* **1999**;17:1468-73.

41) Frey S, Dagan R, Ashur, Y, **Clements D**, et al. Interference of antibody production to hepatitis B surface antigen in a combination Hepatitis A/Hepatitis B vaccine. *J Infect Dis* **1999**;2018-22.

42) **Clements DA**, Coplan P, Moriera S, Bland C, Walter EB. Post-licensure study of Varicella vaccine Effectiveness in a Day Care setting. *Ped Infect Dis J* **1999**;18:1047-50.

43) **Clements DA**. Varicella Vaccination in Children. *BioDrugs* **2000**;14:49-60.

44) **Clements DA**, Zaref JI, Bland CL, Walter EB, Coplan PM. Partial Uptake of Varicella Vaccine and the Epidemiologic Effect on Diseases in Eleven Day Care Centers in North Carolina. *Arch Pediatr Adol Med* **2001**;155:455-461.

45) Lee PL, Matchar DB, **Clements DA**, Huber J, Hamilton JD, Peterson ED. Economic Analysis of Influenza Vaccination and Anti-Viral Treatment for Healthy Working Adults. *Annals of Internal Medicine* **2002**; 137:225-231.

46) Woods CW, Bressler AM, LiPuma JL, Alexander BD, **Clements DA**, Weber DJ, Moore CM, Reller LB, Kaye KS. Virulence Associated with Outbreak-related Strains of *Burkholderia cepacia* Complex among a Cohort of Patients with Bacteremia. *Clin Infect Dis* **2004**; 38:1243-50.

47) Kuter B, Matthews H, Shinefield H, Black S et al. Ten Year Follow-up of Healthy Children who Received one or two Injections of Varicella Vaccine. *Pediatr Infect Dis* **2004**; 23:132-7.

48) Walter EB, Snyder MA, **Clements DA**, Katz SL. Large Injection Site Reactions after a Second Dose of Varicella Vaccine. *Pediatr Infect Dis* **2008**;27(8):757-9.

49) Pollak, KI, Alexander, SC, Østbye, T, Lyna, P, Tulsy, JA, Dolor, RJ, Coffman, C, Brouwer, RJN, Esoimeme, I, Manusov, JRE, Bravender, T, Primary care physicians' discussions of weight-related topics with at risk and overweight adolescents: Results from the Teen CHAT pilot study. *Journal of Adolescent Health*. **2009**; 45(2) 205-207.

50) Salsbury, Mark; Fetzko, Stephanie; Flack, Sheila; Bodnar, Wanda; **Clements, Dennis**; Nylander-French, Leena A. "EVALUATION OF A URINE BIOMARKER OF ACETAMIPRID EXPOSURE IN HONDURAN PESTICIDE APPLICATORS: A PILOT STUDY" (re-submitted)

51) Walter EB and **Clements DA**. Pneumococcal Conjugate Vaccine: Are 3 Doses Equal to 4 Doses? (2013). *Pediatrics*, 08/2013, Volume 132, Issue 2, pp. e498 - E499

52) Matthew D Gunderson, MScGH; **Dennis Clements, MD**; Sara Elizabeth Benjamin Neelon, PhD, MPH, RD: Nutritional Quality of Foods Marketed to Children in Honduras. *Appetite*, 10/2013, Volume 73, pp. 1 - 6.

53) Bhavna T. Pahal, DDS, PhD, R. Gary Rozier, DDS, Sally C. Stearns¹, PhD, John S. Preisser, PhD, **Dennis A. Clements, MD, PhD** The Effect of Dental Referrals by Primary Care Providers on Children's Dental Utilization. *JDR Clinical & Translational Research* (submitted).

54) Romina Libster, Monica McNeal, Emmanuel Walter, Andi Shane et al. Safety and Immunogenicity of Sequential Rotavirus Vaccine Schedules. *Pediatrics* 2016;137;1-10

55) **Clements DA**, Vaccination to Prevent Cancer. *NCMJ* 2016: 77:337-340

56) Burrell H, Song KW, **Clements DA**. A Qualitative Survey of Trash Disposal in Rural Honduras. *Journal of Public Health in Developing Countries*. 2016: 2;3. 291-6.

57) Rajvi Mehta, Alyssa Platt, Xizi Sun, Mukesh Desai, **Dennis Clements** and Elizabeth Turner. Efficacy of iron-supplement bars to reduce anemia in urban Indian women: A cluster-randomized controlled trial. 2017: *Am J Clin Nutr* 105(3):746-757.

58) Saleh E, Eichner B, Clark DW, Gagliano ME, Troutman JM, Harrington L, et al. Open-Label Pilot Study to Compare the Safety and Immunogenicity of Pentavalent Rotavirus Vaccine (RV5) Administered on an Early Alternative Dosing Schedule with Those of RV5 Administered on the Recommended Standard Schedule. *J Pediatric Infect Dis Soc*. 2018 Feb 19;7(1):82-5.

59) Wheeler K, Keels MA, **Clements DA**. Sugar Consumption and Prevalence of Dental Decay among Children 12 years and younger in Rural Honduras. *Intern j of Comm Med & Pub Health*

60) **Clements D**. VFR on top While IFR. *IFR magazine* May 2019. p3

61) Warren JJ, Levy SM, Daly J, Eckert GJ, **Clements D** et al. Does Earlier Eruption of Teeth Predict Early Childhood Caries – A Multi-site Study. (Submitted)

1. Recent Poster Presentations/lectures:

Exploring Medicine in Foreign Cultures, Interdis 422c. Clements et al, Global Health Symposium Duke University February 11, 2014

“Sorpresa! What We Learned in the Mountains of Honduras”– NC/CLAS Consortium Program, University of North Carolina at Chapel Hill, February 22-February 23, 2019.

Does Earlier Eruption of Teeth Predict ECC? – A Multi-site Study. D. Clements et al. IADR, Vancouver, BC, June 20-22, 2019

Modeling of Children's Caries Risk in Medical Settings, M. Fontana, G.L. Eckert, D. Clements, A. Hara, R. Jackson, B. Katz, M.A. Keels, A. Kemper, B.T. Levy, S. M Levy, P. McKnight, N. Swigoski, and the Caries Risk Group Study Group. IADR, Vancouver, BC, June 20-22, 2019

Primary Incisor Crowding: Association with Children's Caries Risk. M.A. KEELS¹, M. FONTANA², G.J. ECKERT³, R. JACKSON³, A. HARA³, D. CLEMENTS¹, B. KATZ³, B.T. LEVY⁴, S.M. LEVY⁴ and CARIES RISK STUDY GROUP, IADR Boston, Mass July 21-4, 2021

A Preliminary Look at Predicting Caries Lesion Patterns/Timing in Children. M.Fontana¹, G.J. ECKERT², D. CLEMENTS³, A.T. HARA², R. JACKSON², B. KATZ², M.A. KEELS³, B.T. LEVY⁴, S.M. LEVY⁴, and CARIES RISK STUDY GROUP. IADR Boston, Mass July 21-4, 2021

2. Book Chapters:

Haemophilus influenzae type b. In: Infectious Diseases of Children. 9th Edition, eds. Krugman S, Katz SL, Gershon AA, Wilfert CM. Mosby-Year Book, St. Louis (1992)

Relationship of viral isolation to otitis media in a research day care center 1978-1988. Clements DA, Henderson FW, Neebe EC. Recent Advances in Otitis Media - Proceedings of the 5th International Symposium. Lim, Bluestone, Klein, Nelson, Ogra (eds). Decker Periodicals (1993)

Haemophilus influenzae type b. In: Infectious Diseases of Children. 10th Edition, eds. Katz SL, Gershon AA, Wilfert CM. Mosby-Year Book, St. Louis (1997)

Pharyngitis, Laryngitis and Epiglottitis. In: Infectious Diseases, eds. Armstrong D and Cohen J. Mosby, London, England (1999).

Haemophilus influenzae type b. In: Infectious Diseases of Children. 11th Edition, eds. Katz SL, Gershon AA, Wilfert CM. Mosby-Year Book, St. Louis (2003)

Pharyngitis, Laryngitis and Epiglottitis. In: Infectious Diseases, eds. Armstrong D and Cohen J. Mosby, London, England (2003).

Infections in Day Care Environments. In: Current Pediatric Therapy, eds Burg, Ingelfinger, Polin, Gershon. Elsevier Science, Philadelphia (2005)

The Health Professions Educator: A Practical Guide for New and Established Faculty. Gerald Kayingo and Virginia McCoy Hass eds, International Clinical Rotations (2017)

3. Grants:

Doris Duke International Clinical Research Fellowships \$1,361,078 – August 2012-2020 PI

Title VI – Latin American and Caribbean Studies – Duke –UNC Consortium 2018-2022
\$2,560,000 co-PI.

Predicting Caries Risk in Underserved Children, from Toddlers to the School-Age Years, in Primary Healthcare Settings 2017-2022 \$9,033,719 (25% effort)

ORGANIZATIONS AND PARTICIPATION:

Current Professional Societies:

American Academy of Pediatrics
 Australasian Society of Infectious Disease
 European Society of Paediatric Infectious Diseases
 Infectious Disease Society of America (Fellow)
 Durham-Orange County Medical Society –President 2006
 North Carolina Pediatric Society
 Pediatric Infectious Disease Society of America
 Society of Epidemiologic Research

Committees and Positions

Duke Regional Hospital	
Pharmacy Committee	1979-1982
Pediatric Training Director	1979-1986
Medical Education Committee	1983-1986
Duke University Medical Center and Health System	
Clinical Research Unit Advisory Committee	1993-1996
Managed Care Operations Committee - Physicians	1994-1997
Primary Care Committee	1994-1998
Joint Ventures Managed Care Operating Committee	1995-1998
PrimaHealth IPA Board member and Treasurer	1997-2010
Executive Committee of the Medical Staff	1998-2005
DUAP Advisory Board	1999-2005
Medical Director, PDC Primary Care	1999-2005.
Duke University Health System Board of Directors	2000-2003
Duke Primary Care Advisory Committee	2006-2012
Duke Medicine Global Support Corporation	2010-present
Duke Integrated Primary Care	2012-2015
Medical Student mentor (MPH, 1 st -4 th year)	1990-pres.
Duke Children's Hospital	
Planning and Marketing Committee	1993-1996
Pediatric Resident Applicant Interview Committee	1990-2018
Duke Children's Hospital Advisory Committee	1994-1998
Duke Children's Clinical Operations Committee	1994-1998
Vice Chair for Primary Care Services	1997-2007
Vice Chair for Pediatric Outreach/government Relations	2003-2007
Chief Medical Officer Duke Children's Hospital	2005-2007
Duke University	
Duke Center for Latin American & Caribbean Studies	2002-present
Duke University International Affairs Committee	2003-2010

Co-Director LAS Consortium – Duke and UNC	2006-present
Director, Third Year Medical School – Global Health	2006-2021
Board Member, Duke Human Rights Committee	2009-2016
Academic Council (1997-2001, 2003-5, 2009-15, 2016-8)	1997-2018
Board Member/chair, Duke Office of Civic Engagement	2010-2021
Duke University Board of Trustees Audit Committee	2010-2018
Executive Committee Academic Council	2012-2014
Global Priorities Committee, Duke University	2012-2018
SEAD Director of Student Recruitment	2014-2017
Director of Undergraduate Studies – Global Health	2017-present
Duke Arts and Science Council – Global Health rep	2019-2022
Courses Committee, Arts and Science Council	2019-present
Executive Committee, Duke Arts and Science Council	2019-2022
Executive Committee, Duke Undergraduate Studies	2020-present
Interim Director, Duke Global Health Institute	2020-2022

North Carolina State

Immunization Advisory Committee	1996-2013
Physician Advisory Committee to Medicaid-secretary	2002-2015
Durham Community Health Network – Medical Director	2001-2013
Dental Advisory Committee to Medicaid	2004-2013
North Carolina Committee for Dental Health, DHHS	2004-present
NC State Health Coordinating Council (Representing NC academic health centers)	2005-2014

Other

Carolina for Kibera Advisory Board	2003-2012
Board of SEEDS, NC –past president	2007-2016
Advisory Board, East Durham Children’s Initiative	2010-2013
Family Health Ministries Board - vice chair	2013-2019

Honors and Awards

UNC Graduate Student Honors Award	1989
Frank E. Engel Society, Duke Medical School	2003
Alpha Omega Alpha (Honor Medical Society)	2005
Master Clinician-Teacher Award – Duke Medical School	2006
Denny, Katz, Simon, Tingelstad Academic Service Award	2006
Dennis A. Clements Outstanding Service Award in Latin American & Caribbean Studies	2012
Professor of the Year, DGHI undergraduates	2014
Excellence in Professionalism Duke Medicine Award	2015
Duke University Meritorious Service Award	2016

To be completed by Chairman:

Teaching responsibilities including continuing education:

Dr. Clements has precepted medical and PA students, and pediatric and psychiatry residents in the outpatient clinic each week. He gives lectures on infectious disease, immunology and epidemiology to medical students, PA students, residents and fellows, including grand rounds at Duke and UNC. Dr. Clements is the director of the Third Year Medical School Global Health track until 2021. He is the course director for a medical school course entitled “Exploring Medicine in Foreign Cultures” which has 20 hours of didactic education and a ten-day practicum in Honduras. Dr. Clements is the Interim Director of DGHI and Director of Undergraduate Studies for Global Health and teaches courses in Innovation and Entrepreneurship and the Global Health capstone. He is also the Duke University Faculty lead for civic Engagement.

Areas of research interests:

- 1) *Health disparities and health care for the disadvantaged*
- 2) *Infectious Disease Epidemiology - otitis media, varicella, influenza*
- 3) *Cost-effectiveness of vaccination strategies*
- 4) *Vaccine Effectiveness - varicella vaccine use in day care*
- 5) *Preventive health care strategies - including vaccination, screening tests*
- 6) *Health Care Delivery systems – contracting, business plans, access to care, management*

Clinical Research: External Grant Support

While Dr. Clements was in charge of the Duke Vaccine Unit from 1990-1996 grant support totaled approximately \$1.75 million dollars (that was a lot of money back then).

Year Trial/Grant Description

- 1990 - Interchangeability of PedvaxHIB, HibTITER and ProHIBIT*
- 1990 - Oka/Merck Varicella vaccine in adolescents and adults*
- 1991 - PRP-OMP vaccine in HIV patients - Merck*
- 1991 - Liquid PedvaxHIB vaccine in children - Merck*
- 1991/4 - Ability of influenza A vaccine to prevent otitis media in day care - Pasteur Mérieux*
- 1992 - Oka/Merck Varicella vaccine in adults - two dose regimen.*
- 1992 - Oka/Merck Varicella vaccine in children 1 vs. 2 doses*
- 1992 - MMRV vaccine in children - Merck*
- 1992 - 5 year follow-up revaccination of children with Oka/Merck Varicella vaccine*
- 1992 - Hepatitis A vaccine in adults - Merck*

1992 - MMRV vaccine +/- Hib vaccine at 12-15 months of age - Merck
1993 - RWJ "All Kids Count" immunization tracking project Durham County, NC
1993 - HIV screening of newborns in Durham and Wake County, NC
1993 - Seroprevalence of measles antibody in HIV infected children post MMR
1994 - Hepatitis A vaccine in adults - consistency lots Merck
1994 - Hepatitis A vaccine +/- immunoglobulin in adults - Merck
1994 - Varicella efficacy trial - day care children -Merck
1994 - Tetracel vs. HbOC + DTaP in 12-18 month old children - Lederle
1994/5 - Rotavirus vaccine in infants - Wyeth
1995 - AIK-C Measles in 6 mo. olds - Connaught
1995 - BCG vaccine in hospital employee - Connaught
1995 - Hepatitis A/B vaccine in adolescents & adults
1995 - Acellular pertussis vaccine in infants – Amvax
1996 – Pediatric Allergy Learning Study – Schering Plough
1996 – Dr. Emmanuel Walter assumes directorship of Vaccine Unit

External Grant Support

Doris Duke International Clinical Research Fellowships \$1,361,078 – August 2012-2020 PI

Title VI – Latin American and Caribbean Studies – Duke –UNC Consortium 2018-2022
\$2,560,000 co-PI.

Predicting Caries Risk in Underserved Children, from Toddlers to the School-Age
Years, in Primary Healthcare Settings 2017-2022 \$9,033,719 (25% effort)

Clinical activity - type of practice and estimate of time commitment:

*Dr. Clements saw patients in the outpatient clinic at Roxboro Street, Durham, NC until June 2019.
He was chief of Duke Children’s Primary Care from 1994-2016. Presently he is pursuing
education (DUS Global Health) and administrative tasks for the university and DGHI.*

Participation in academic and administrative activities of the University and Medical Center:

*Member and exec committees – Undergraduate Studies and Arts and Science Council
Member of Third Year Committee Duke University School of Medicine (2007-2021)
Medical School Course Director of “Exploring Medicine in Foreign Cultures”(2000-present)
Career Advisor to Global Health Students (2007-present), Pediatric Residents (2001 – present)
Member APT Committee Member 1) Community and Family Medicine and 2) School of Medicine
Director Emeritus, Pediatric Phantoms of Phun (30 year anniversary 2020)*

Signature of Chairman: _____

Date: ____ / ____ / ____

Optional - PERSONAL INFORMATION

Home address: 119 Wisteria Drive, Chapel Hill, NC 27514, USA

Home phone: 919-493-5304

Marital Status: Married

Name of Spouse: Martha Ann Keels Degrees: DDS, Ph.D.

Children: Gillian, age 43
Morgan, age 42
Meredith, age 39

Activities: Chamber Music Participant, Flight Instructor, Birdwatcher, Scuba Diver, Photographer