



# MUNICIPALITY OF ANCHORAGE

## Assembly Memorandum

No. AM 862-2024

Meeting Date: October 22, 2024

1 **FROM: MAYOR**

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3 **SUBJECT: EXECUTIVE APPOINTMENT – CONFIRMATION HEARING.**

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5 Pursuant to the Municipality of Anchorage Charter in sections 5.02, 5.03 through  
6 5.05 and the Anchorage Municipal Code sections 2.30.095, 3.20.020, and 3.20.070,  
7 I ask the Assembly to confirm the following executive and department head that I  
8 have appointed:

<u>Name</u>	<u>Position</u>
George Conway	Chief Medical Officer

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12  
13 A resume submitted in accordance with Anchorage Municipal Code section 3.30.173  
14 is attached for your information.

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16 **THE ADMINISTRATION RECOMMENDS APPROVAL.**

Prepared by:	David Samsa, Human Resources Executive Assistant
Approved by:	Tyler Andrews, Chief Human Resources Officer
Concur:	William D. Falsey, Acting Chief Administrative Officer
Concur:	Rebecca A. Windt Pearson, Municipal Manager
Respectfully submitted:	Suzanne LaFrance, Mayor

## CURRICULUM VITAE

George A. Conway, MD, MPH

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

**Career emphasis:** To provide leadership in the prompt and practical application of science to strengthen and develop effective programs and shape public health policy and practice. Implement these measures by fostering collaboration among governments, NGOs, and business to improve human health.

### **Areas of expertise:**

Applying epidemiology to respond effectively to emergencies and to design, implement, and manage public health programs for global challenges in: communicable disease detection and control; zoonotic disease control; emergency preparedness; community health; HIV/AIDS; viral hemorrhagic fevers (Ebola, Dengue); environmental health, occupational safety and health; and injury prevention.

### **Education:**

**M.D.**, University of New Mexico School of Medicine, Albuquerque, New Mexico

**Masters of Public Health**, U of South Carolina School of Public Health, Columbia, SC

**Bachelor of Arts**, Environmental Sciences, Antioch College, Yellow Springs, Ohio

### **Postgraduate medical training:**

1988 - 1990 **Epidemic Intelligence Service**, CDC, Atlanta, GA

1986 - 1988 **Preventive Medicine/Public Health/Occupational Medicine Residency**,  
University of South Carolina, Columbia, South Carolina

1985 - 1986 **Internship - Family Medicine**,  
University of Wyoming Family Practice Residency, Casper, Wyoming

**Medical licenses:** South Carolina, # 12956; Oregon, # MD180753; Hawaii # MD-23900

**Board certification:** General Preventive Medicine and Public Health, 1/30/90 (permanent).

**Other certification:** Aviation Medical Examiner, FAA, Serial Number 80051-9, 1999-2014

**Uniformed service:** Medical Officer, USPHS, 1988-2008, CAPT (0-6) (Ret.)

**Security clearance:** Top Secret

## **PROFESSIONAL EXPERIENCE**

### **Director and Health Officer, Deschutes County Department of Health Services, 2016-2022:**

- Led 400+ providers of public health and behavioral health services for Deschutes and central Oregon counties.
- Provided clinical services as necessary in DCHD and related clinics, including service as Medical Officer of the Day at mass immunization sites jointly operated by DCHD and St. Charles Medical System
- Led local (Central Oregon region) efforts for response to the COVID19 Pandemic, including co-founding and moderating the Central Oregon Executive COVID-19 Council, Central Oregon COVID19 Clinician Collaborative Workgroup, and the Central Oregon Wastewater Surveillance Team
- Provided leadership and technical assistance during wildfire and smoke events, locally and to the Oregon Health Authority.
- Rebuilt Communicable Disease program, providing diagnostic and prevention services for nosocomial infections in Long Term Care Facilities and for STDs, HIV/AIDS, and zoonoses.
- Developed the Deschutes County Stabilization Center, which provides acute assessment and stabilization for individuals experiencing acute mental health crises.

### **Professor (Affiliate), Oregon State University College of Public Health and Human Sciences, (2018-present):**

- Provided technical assistance to OSU biomedical and public health staff for the TRACE rapid community assessment for COVID19 prevalence
- Co-organized a wastewater surveillance program for COVID19 with local wastewater departments, OSU staff, and local public health teams.

### **Senior Medical Officer and Epidemiologist, CDCC/CGH/DGHP/WIBD: Nov, 2015 – Oct, 2016**

Provided technical assistance to ministries of health, CDC resident advisors and trainees for Field Epidemiology Training Programs in Iraq, Afghanistan, Tajikistan, Kazakhstan, Bangladesh, and Liberia.

### **Attaché (Public Health) Embassy of the United States, Beijing, China, 2012-2015**

#### **Duties/Accomplishments/Impact:**

- Provided expert assistance in medical diagnostics, immunization, environmental health, and occupational health and safety to the US Mission in China.
- Assisted with the development of workforce and dependent guidelines for protecting health and well-being during epidemics and smog events for US Mission personnel throughout China.
- At the Mission's invitation, gave public presentations on the health effects of air pollution and of Ebola infection.

## **PROFESSIONAL EXPERIENCE (cont.)**

### **July 2012- November 2015 Senior Advisor, China Centers for Disease Control & Resident Advisor, China Field Epidemiology Training Program**

#### **Duties/Accomplishments/Impact:**

- Provided technical and policy assistance during Chinese H7N9 outbreak, 2013 and 2014.
- Served as US CDC representative to China Rabies Technical Advisory Board.
- Principal advisor to China CDC, China Field Epidemiology Training Program (CFETP), and China Veterinary Field Epidemiology Training Program (CFETP-V) for public health practice.
- Assisted in the development of a Chinese MMWR and the Western China/Tibet FETP.
- Precepted CFETP mentors and trainees in the practice of applied epidemiology.
- Developed and team-taught China's first national environmental epidemiology training.
- Assisted China CDC to develop and apply studies of the acute health effects of air pollution.

### **NOV, 2014 – JUL, 2015 Senior Medical Officer/Epidemiologist, United Nations Mission for Ebola Emergency Response, Monrovia, Liberia (via secondment from US CDC).**

#### **Duties/Accomplishments/Impact:**

Provided technical support and leadership for UN agency efforts to assist Liberia with Ebola control and containment efforts (e.g., contact tracing) and plan post-epidemic restoration of public health services:

- Cross-borders Ebola transmission surveillance: co-organized the Liberia National Borders Coordination Group
- Led UNMEER diagnostics and laboratory access team: provided laboratory consultations for rural counties, technical support.
- Led UNMEER post-Ebola reconstruction work group "Clinical laboratory challenges at county and district level" reporting to Liberia Minister of Health, June, 2015.
- Only 60% of Liberians have improved water sources and 20% basic sanitation, increasing disease transmission risks. Thus, this water, sanitation, and health (WASH) restoration work was undertaken:
  - School wash evaluations by UNMEER and UNICEF prior to reopening (Feb/Mar 2015) revealed many ICP problems in urban schools in the center of the Ebola affected area;
  - Developed cross-WASH project for schools, community centers and health facilities with National WASH Committee and Liberian Presidential Delivery Commission.
- Provided technical assistance to LMoH Community Health Division on IDSR and Community Health Worker roles, Gbargna, Bong County, Liberia.
- Team Lead and Keynote speaker, National Stakeholders Workshop for Surveillance, Epidemic Control, and Emergency Response, 1-3 JUL 15.

## **PROFESSIONAL EXPERIENCE (cont.)**

**2006-2011 Director, CDC/NIOSH Agriculture, Forestry, and Fishing Program (AgFFP), then 2011-2012 Director, CDC/NIOSH Office of Agriculture Safety and Health**

### **Duties/Accomplishments/Impact:**

- Led strategic and tactical planning for AgFF safety and health, applying a One Health approach, including for zoonotic diseases including Salmonellosis and Brucellosis.
- Managed and provided scientific leadership for this program, involving hundreds of NIOSH professional staff and extramural grantees and projects, annual budget ~ \$25 million.
- Led preparation and presentation of evidence for National Academy of Sciences Review
- Represented US Government to Agricultural Safety and Health Council of America
- Developed multiple complex international OS&H projects on Sea Safety in south Asia, in collaboration with Food and Agriculture Organization of the United Nations

**2006-2011 Founding Manager, CDC/NIOSH Oil and Gas Extraction Safety and Health Program**

- Set up national surveillance, analysis, and outreach for this rapidly-developing sector.
- Established and co-chaired the National Occupational Research Agenda Oil and Gas Extraction Council, developing a consensus national research and intervention agenda.
- Served on Society for Petroleum Engineering Gulf of Mexico Deepwater Drilling and Completions Advisory Summit to NAE/NRC Committee, March 2011, Houston, TX.

**1992 – 2011: Director, CDC/NIOSH Pacific Regional Office, Anchorage, Alaska**

### **Duties/Accomplishments/Impact:**

- Planned and directed surveillance and prevention activities for occupational injuries and fatalities in Alaska, the US Pacific Northwest, and Arctic regions.
- Concerted, collaborative efforts by CDC/NIOSH, with other government agencies, NGOs, industry, and workers, resulted in a 67% reduction in occupational deaths in Alaska, from 1990 to 2007.
- Led the Alaska Interagency Aviation Safety Initiative, a Congressionally-mandated and -funded initiative, in collaboration with FAA, NTSB, and National Weather Service, 2000-2004.
- Worked with the aviation industry to found the Medallion Foundation, developing solutions to prevent fatal air crashes, resulting in a 50% drop in controlled flight into terrain crash mortality, which decreased Alaska occupational aviation deaths from 11/year 1990-1999 to 5/year 2000-2007.
- Designed and conducted studies of the frequency and etiology of occupational injuries and disease in Alaska Natives and other populations, collaborating with the Indian Health Service, State of Alaska Epidemiology Section, and other organizations.
- A unique surveillance system for subsistence-related injuries in Alaska was developed, addressing risk factors and enabling prevention programs for these events.

## PROFESSIONAL EXPERIENCE (cont.)

2004 – 2006: Acting Director, CDC/NIOSH Spokane Research Laboratory, Spokane, WA.  
**Duties/Accomplishments/Impact:**

- Planned and directed research activities for prevention of occupational injuries, fatalities, and illnesses associated with the mining industry in the western United States.
- Developed an integrated program to focus NIOSH western U.S. assets on the surveillance and prevention of occupational injuries and illnesses in other high-risk industries in the west.
- Oversaw and presented comprehensive program evaluation materials for a systematic review by the National Academies
- Successfully transitioned a mining-safety laboratory into one more broadly serving America's workers

Agency Deployments And TDY Assignments During Alaska Tenure, September 1992-June, 2012:

- Multiple tours as short-term consultant (STC) to the Food and Agriculture Organization of the United Nations (FAO), working with the Bay of Bengal Programme Inter-Governmental Organization in Chennai, Tamil Nadu, **India** and FAO staff. Morbidity and mortality surveillance, community health, and development in **India, Bangladesh, Sri Lanka**, and the **Maldives**: Nov-Dec, 2004; Jan-Feb, 2006; April 2007; Nov-Dec 2007; April, 2008; Nov-Dec, 2008; Mar-Apr, 2009; Nov-Dec 2009; Nov-Dec, 2010.
- Physician, Occupational/Environmental Team, CDC ERC, November-December, 2001, Atlanta, Georgia. Provided advice and consultation on post-exposure prophylaxis for Bacillus anthracis (Anthrax). Reviewed, edited, and prepared publications (e.g., MMWR on Anthrax CDC response in Washington, DC, NJ, NY, and CT. Prepared Congressional testimony on Anthrax contamination and decontamination. (Received USPHS Crisis Response Service Award.)
- Detailed by CDC to US Embassy India Science Section, to provide technical assistance to Indian Ministry of Health and Family Welfare in disease surveillance, epidemic, and bio- weapon response, New Delhi, India. Also provided technical assistance to and instruction of trainees, Field Epidemiology Training Program, National Institute for Epidemiology, Indian Council for Medical Research, Chennai (Madras), **India**, October 11-29, 2001.
- Detailed by CDC to US Embassy India Science Section, New Delhi, India, as Consultant, to provide technical assistance for a newly-formed Field Epidemiology Training Program, National Institute for Epidemiology, Indian Council for Medical Research, Indian Ministry of Health and Family Welfare, Chennai (Madras), **India**, July 7- August 2, 2001.
- Detailed to International Union for Circumpolar Health to provide technical assistance on Arctic health, Harstad, **Norway**, May–June, 2000.

## **PROFESSIONAL EXPERIENCE (cont.)**

**Epidemiologist, HIV Seroepidemiology Branch, Division of HIV/AIDS, National Center for Infectious Diseases (NCID), CDC, Atlanta, Georgia, USA, July 1990 - September 1992**

### **Duties/Accomplishments/Impact**

- NCID, CDC HIV/AIDS Consultant to U.S. Indian Health Service (IHS): provided expert assistance to IHS professional staff and tribal leaders
- Project Officer, CDC/IHS Collaborative Study of HIV Seroprevalence in American Indians and Alaska Natives. This survey provided the first comprehensive information about the distribution of HIV in the U.S. AI/AN population.
- This serosurvey detected infections in multiple rural AI/AN communities, and led to expanded HIV testing, counseling, partner notification, and other prevention measures.
- A serum bank of 102,160 specimens was established through this survey, to enable lookback studies for future emerging pathogens. In 1993, 500 specimens were tested for Southwestern Hantavirus Antibodies for the Muerto Canyon outbreak investigation.
- Research using these specimens continued e.g., Lymphotropic Virus frequency in AI/AN, with Indian Health Service Dr. King Holmes, University of Washington.
- During 1999, this serum bank was stabilized and documented, to serve as a permanent resource for AI/AN tribes, the Indian Health Service, and the epidemiologic community.
- Project Officer, CDC/Job Corps, U.S. Department of Labor joint surveillance for HIV infection in adolescents in the U.S. Job Corps. May 1990 - April 1991.
- This activity led to a much clearer picture of the terrible progression of the HIV epidemic in disadvantaged U.S. youth. Led to recommendations for ascertainment of socioeconomic status as a risk factor in U.S. disease and injury reporting.

*July 1988 - June 1990*

**Epidemic Intelligence Service Officer, HIV Seroepidemiology Branch Division of HIV/AIDS, Center for Infectious Diseases, Centers for Disease Control, Atlanta, Georgia**

### **Duties/Accomplishments/Impact:**

- Project Officer, CDC/IHS Collaborative Study of HIV Seroprevalence in American Indians and Alaska Natives.
- Established and oversaw IHS National HIV testing laboratory (conducting ELISA and Western Blot assays) at Phoenix Indian Medical Center, Arizona.
- P.I. for validation studies of AIDS case reporting for American Indians and Alaska Natives (AI/AN) in Los Angeles County, CA and Seattle/King County, WA.
- Served as the NCID HIV/AIDS Consultant to US Indian Health Service (IHS)
- Project Officer, Survey of HIV Seroprevalence in Clinical Laboratory specimens from Primary Care Outpatients.
- Project Officer and Principal Investigator, CDC/Job Corps Joint Collaborative Study of HIV-Infected Adolescents in the U.S. Job Corps.
- These studies, which revealed selectively poor reporting of AIDS in AI/AN, led to recommendations by the National Commission on AIDS (see National Commission on AIDS: The Challenge of HIV/AIDS in Communities of Color, 1992, pp. 6-7) to improve surveillance for HIV and AIDS in this population.

## **PROFESSIONAL EXPERIENCE (cont.)**

*July 1987 - June 1988*

**CDC EIS/ATPM Preventive Medicine Resident Fellow**, University of South Carolina, Department of Preventive Medicine

**Position:** Communicable Disease Epidemiologist, South Carolina Department of Health and Environmental Control (SCDHEC), Columbia, South Carolina.

**Duties/Accomplishments/Impact:**

- Co-Principal Investigator, Clinical Trial of Aztreonam for Gonococcal Infections, Richland County Sexually Transmitted Disease Clinic, October 1986 - June 1988.
- Conducted outbreak investigations; served as infectious disease control and environmental health consultant to local health department, hospitals, and health-care providers. Oversaw and advised communicable disease diagnostic and surveillance efforts,
- Principal Investigator, SCDHEC, South Carolina Hospital Association, and South Carolina Health and Human Services Department Joint Study of AIDS and HIV-Related Disease Surveillance and Resource Utilization in South Carolina.
- This study revealed significant underreporting of AIDS cases in South Carolina, and led to the complete revamping of the surveillance system for AIDS in South Carolina.
- Co-Chair, Corrections Workgroup, South Carolina State AIDS Task Force and Principal Investigator, DHEC/South Carolina Department of Corrections Study of HIV Seroprevalence and Risk Behaviors in South Carolina Prisons.
- Attending physician, Richland County Sexually Transmitted Disease Clinic, Columbia, South Carolina, July, 1986 - June 1988.

*July 1986 - July 1987* **Preventive Medicine Resident**, Department of Preventive Medicine, University of South Carolina School of Medicine, Columbia, South Carolina.

*July 1985 - June 1986* **Internship**, Family Practice Residency Program, University of Wyoming, College of Human Medicine, Casper, Wyoming.

*August-September 1984* **Extern in Epidemiology**, State Epidemiologist's Office, NM Department of Health.

*July - November 1982* **Extern in Community Medicine and Epidemiology**, Checkerboard Area Health Services, Cuba, New Mexico. Extended rotation: outbreak investigation, community-based intervention, and direct patient care, in the Checkerboard Area of the Navajo Reservation.

*May-June 1982* **Research Consultant**, King Abdul Aziz University, Jeddah, **Saudi Arabia**. Consultant in pharmacologic botany; included fieldwork in southwestern Arabian highlands and research in Jeddah.

*May-August 1981* **Expedition Leader**, Yukon-Brooks Range Expedition. Expedition collected Arctic and tundra soils for antimicrobial research (funding: Eli Lilly Company, Indianapolis, IN) and plant constituents for evaluation for anti-tumor potential (funding: joint, National Cancer Institute, Natural Products Testing Division, and U.S. Department of Agriculture, Bethesda, MD).



## **PROFESSIONAL EXPERIENCE (cont.)**

*1978-1981* **Research Associate**, Department of Obstetrics and Gynecology, University of New Mexico School of Medicine.

- Studied ethnobotany/ethnopharmacology of Navaho traditional medicines.
- Evaluated progestogen antagonist effects of phytochemicals, via chemical isolation and in-vivo (rat) and in-vitro (rat ovarian cell lines) bio-assays.
- Designed and completed original research on deoxy-lithospermic acid and gossypol.

*1978* **Research Assistant**, Department of Biology, University of New Mexico. Identification (HPLC and wet chemistry) and herbivore toxicology of plant secondary compounds.

*1974 - 1977* **Ethnobotanist and contractor**, plant and soil procurement for pharmaceutical research. Field pharmacognosy, taxonomy, ethnopharmacology: U.S., **Mexico, Belize, Guatemala.**

*1972 - 1973* **Ethnobotanist**, Central Asia. Field research in ethnobotany - **Turkey, Iran, Afghanistan, and India.** Funded by New Directions Grant, Antioch Education Foundation.

Sep-Dec 1971 **Intern**, Community Assistance Group, Massachusetts Department of Public Safety, Boston, Massachusetts. Conflict resolution team.

## **AWARDS**

- 2014 Letter of recognition from United States Ambassador to China
- 2014 Meritorious Honor Award – US Department of State
- 2010 “Leader in the Field” - American Journal of Agromedicine
- 2004 USPHS Outstanding Service Medal
- 2003 Alaska Meritorious Health Service Award, Alaska Public Health Association
- 2003 Alaska Governor’s Special Achievement Award, to NIOSH Alaska Field Station
- 2002 U.S. Public Health Service Crisis Response Service Award
- 2001 U.S. Public Health Service Unit Commendation
- 1998 Alaska Governor’s Special Recognition Award to NIOSH Alaska Field Station
- 1996 U.S. Public Health Service Commendation Medal.
- 1994 Federal Leadership Award, Alaska Occupational Injury Surveillance System
- 1993 U.S. Public Health Service Achievement Medal
- 1990 U.S. Public Health Service Unit Commendation
- 1989 U.S. Public Health Service Citation
- 1988 NIH/Fogarty Institute Young Investigator Award, Stockholm, Sweden
- 1987 Delta Omega Public Health Honorary Society
- 1987-1988 ATPM/CDC/EPO/EIS Fellowship in community-based epidemiology.
- 1981-1983 Robert Wood Johnson Scholar, , University of New Mexico School of Medicine
- 1983-1985 Peterson Fund Scholar University of New Mexico School of Medicine

### **ACADEMIC APPOINTMENTS and ACTIVITIES:**

- Professor (Affiliate), Oregon State University, 2018-present
- Professor of Epidemiology, Chinese Centers for Disease Control, Field Epidemiology Training Program, Beijing, China, 2012-2015.
- Professor (adjunct), Rocky Mountain Center for Occupational and Environmental Health, University of Utah School of Medicine, 2003 –2012
- Associate Professor, Health Sciences, University of Alaska, Anchorage, 1995-2004
- Senior faculty for International Course on Injury Control and Safety Promotion, WHO Collaborating Center on Safety Promotion in New Delhi, **India**, March, 2000.
- Arctic Health Consultant, International Arctic Science Committee, Tromso, visiting lecturer, Harstad Safe Communities Program, Harstad, **Norway**, April-May, 1999.
- Arctic health consultant, Archangelsk Academy of Medical Sciences, April-May, 1998, **Russia**.
- Visiting lecturer on Occupational Injury Surveillance and Prevention, WHO Collaborating Centre on Community Safety, Karolinska Institutet, Stockholm, **Sweden**, November, 1997.
- Visiting Scientist, Finnish Institute for Occupational Health, Oulu Regional Institute, Finland. Taught Epidemiology, Occupational, and Public Health Surveillance as lecture series in International Course on Regional Occupational Health and Safety Surveillance, Pohjola-Opisto, Haukipudas, **Finland**, July-September, 1997.
- Faculty for CDC/EPO Field Epidemiology Training Program, Ministry of Health, Executive Yuan, Republic of China. Taipei, **Taiwan**, August 23- September 3, 1996.

### **ORGANIZATIONAL, SERVICE, AND LIAISON ROLES:**

- Board Member (founding) Agricultural Safety and Health Council of America, 2007-2012
- Physician, Air Quality Advisory Committee, Anchorage Metropolitan Area Transportation Solutions, a federally-recognized Metropolitan Planning Organization (MPO), 2009-2012
- Health Commissioner, Anchorage Department of Health and Human Service, September, 2006-2009
- Member, United States Interagency Arctic Policy Group, 2000-2007
- Member, Society of Petroleum Engineers, 2006-2013
- Member, Aerospace Medical Association, 1998-2013
- Member, Alaska Public Health Association, 1992-present
- Member, Commissioned Officers Association of the U.S. Public Health Service, 1988-2008
- Federal Liaison, Alaska Injury Prevention Center, January, 2000-December, 2002
- Consulting Physician, Health Curriculum Committee, Anchorage School District (1999-2002)
- Attending Physician, Alaska Camp Camp (for children with asthma), American Lung Association, Talkeetna and Cooper Landing, Alaska, August 1998 & July, 1999
- Co-Chair, International Fishing Industry Safety and Health Conference, Woods Hole, MA, 2000.
- Judge, Antonio T.C. Chong Award for Research in Occupational Health and Safety, American Board for Medical Advancement in China, 1998-2001.

## **NON-GOVERNMENTAL (NGO) LEADERSHIP EXPERIENCE:**

- Member, US Delegation, Arctic Council Emergency Prevention Preparedness and Response Working Group, 2010-2012 (<http://www.arctic-council.org/eppr/about-eppr/>). Developed and directed project, “Preventing Morbidity and Mortality among Arctic Oil Spill Response Workers”, to develop practical recommendations and a supplement to the Arctic Council’s “*Field Guide for Oil Spill Response in Arctic Waters*”.
- Board of Directors member (Charter/founding, ex-Officio), Agricultural Safety and Health Council of America, 2007-2012. ASHCA is a coalition of organizations, businesses, and safety professionals to improve the health and safety of farmers, ranchers and agricultural workers ([www.ASHCA.org](http://www.ASHCA.org)).
- President, International Union for Circumpolar Health, 1996-2000, The IUCH is a consortium of medical and public health practitioners devoted to improving public health and medical services for people throughout the Arctic region (<http://www.iuch.net/>). With > 5,000 members in its adhering bodies, has multi-national working groups for regional health challenges, publishes an SCI-indexed scientific journal, and organizes international congresses throughout the Arctic region.
  - Key accomplishments:
    - Obtained and staffed NGO Observer status for IUCH to the Arctic Council.
    - Led this public health organization through a difficult but highly successful transition from paid, government-funded staff to all-volunteer staffing.
    - Recruited the Danish-Greenlandic Society for Circumpolar Health as a 5<sup>th</sup> Governing Body member, complementing the American Society for Circumpolar Health, Canadian Society for Circumpolar Health, the Siberian Branch of the Russian Academy of Medical Sciences, and the Nordic Society for Circumpolar Health, for complete representation of health providers for the Northern Peoples of the Arctic region.
    - Supported the reorganization of the International Journal of Circumpolar Health (<http://www.circumpolarhealthjournal.net/index.php/ijch/index>) toward open access and assuring international indexing.
- American Society for Circumpolar Health – President, 1996-2000
- American Society for Circumpolar Health – Director, 1993-1996
- Founding Board President, Alaska Injury Prevention Center, 1999-2003  
<http://alaskainjurypreventioncenter.org/>
- Chair, Steering Committee, Anchorage Safe Communities Program, 1996-1999
- Director, Alaska Public Health Association, 1996-1999
- Consulting Physician, American Board for Medical Advancement in China, 1996-2001
- Anchorage Healthy Futures Project – Healthy City Working Group Co-Chair & Senior Research Consultant, 1995-1998

## **CORE COMPETENCIES:**

### **1. Cultural Competency:**

- a. During the 2014-5 West African Ebola outbreak, strove to understand local tribal and religious (particularly burial) practices and worked to adapt contact tracing and infection control practice recommendations to accommodate these perceptions and sensitivities.
- b. As the only foreigner embedded full-time in the Chinese Centers for Disease Control, adapted rapidly to Chinese work and communication styles. Sharing Chinese dishes and practicing Mandarin with colleagues helped build rapport, as did demonstrating patience with the pace of work. Enjoyed learning more about China on weekends and holidays.
- c. In South Asia, learned about fishermen's perceptions by listening in focus groups.

### **2. Building Global Partnerships:**

- a. Collaborated with Chinese counterparts to reorganize China FETP and develop a Chinese MMWR, catalyzed via an innovative fellowship program with US CDC.
- b. Organized the Western China Working Group with China CDC, UNICEF, and WHO. This led to the establishment of a new western China Intermediate FETP in 2015.
- c. Developed joint Chinese-American activities in West Africa during the Ebola crisis, including deployment of 22 China FETP trainees and graduates to assist in the response.

### **3. Global Representation and Promotion:**

- a. Developed US/China collaboration for epidemiology training and other public health capabilities. The resulting good rapport led to the China CDC Deputy Director's invitation to collaborate in UN Mission for Ebola Emergency Response in Liberia.
- b. With LMoH Director of Disease Control, co-organized National Stakeholders Workshop for Surveillance, Epidemic Control, and Emergency Response, 1-3 JUL 15, Monrovia.

### **4. Global Program and Policy Development:**

- a. Demonstrated that over 400 million people in the western regions of China are not yet adequately served by epidemiologists and other key public health services, leading toward realignment of FETP and other China CDC efforts in Western regions of China.
- b. At invitation of Liberia Ministry of Health, served on national steering committee for Post-Ebola Health System Restoration, January-June, 2015.
- c. Working with the Liberia Ministries of Health and Immigration, organized Borders Coordinating Group, which had policy input on IHRs and IDSR to the Mano River Union in Freetown and the regional Presidential Ebola Summit in Conakry, February, 2015,
- d. Assisted the Liberia Division of Community Health and NGO partners to better define community health workers' role in IDSR implementation and key public health services.
- e. With the Bay of Bengal Program and FAO, co-led a multi-year regional collaboration in South Asia 2006-2012 which led to improved emergency communications and the founding of a national fishermen's life and disability insurance program for Bangladesh.

### **5. Complex Problem-Solving Decision Making:**

- a. As FETP Resident Advisor in China, applied analytic judgment to often-complex outbreak investigations, help develop national policies (e.g., to reduce corticosteroid use for treatment of children with febrile illnesses), adapt NCD and environmental health epidemiology training and projects to the Chinese milieu, and mentor trainees.
- b. Represented CDC in comprehensive National Academies reviews, and applied key findings to reorganize a large, legacy program into one judged in a subsequent evaluation as being a responsive, high-performing program with demonstrated impact.

## **PUBLICATIONS**

Lowsen, Dorrit H. and Conway, George A.: "Air Pollution in Major Chinese Cities: Some Progress, But Much More To Do" Journal of Environmental Protection, Volume 7, 2081-2094, 2017; <http://dx.doi.org/10.4236/jep.2016.713162>.

Cui, L.L., Conway, G.A., Jin, L., Zhou, J., Zhang, j., Li, X., Zhou, L., Li, T., and Zhng, J.: "Increase in Medical Emergency Calls ad Calls for Central Nervous System Symptoms During a Severe Air Pollution Event, January, 2013, Jinan City, China", Epidemiology: 28: S67-S73, 2017.

Cui, L.L., Zhou, J.W., Geng, X.Y., Li, X.W., Liu, Z, Conway, G.A., Zhang, J.: "Occupational Carbon Monoxide Poisoning Associated with Diesel Motor Operation in an Air-raid Shelter in June 2015, Jinan City, China – An Epidemiological Investigation", Biomedical and Environmental Science, 2017; 30(10): 777-781, 2017.

Hang, J., Zhang, J., Zhou, J., Zhou, L., and Conway, G.A.: "Investigation of a cluster of scurvy cases in the crew of a fishing company, Fujian province, China", Archives des Maladies Professionnelles et de l'Environnement 11/2013; 74(5):562.

Wang, R., Teng, C., Zhang, N., Zhang, J., and Conway, G.: "A family cluster of nitrite poisoning, Suzhou City, Jiansu Province, China, 2013, Western Pacific Surveillance and Response, 4(3): 33-6, 2013.

Mulloy, K.B., Sumner, S.A., Rose, C., Conway, G.A., Reynolds, S.J., Davidson, M., Heidel, D.S., and Layde, P.M.: "Renewable Energy and Occupational Health and Safety Research Directions: A White Paper for the Energy Summit, Denver, Colorado, April 11-13, 2011", Am J of Industrial Medicine, 56: 1359-1370 (2013).

Lincoln, J.M, O'Connor, M.B, Retzer, K.D., Hill, R.D., Teske, T.D., Woodward, C.C., Lucas, D.L., Somervell, P.D., Burton, J.T., Mode, N.A., Husberg, B.J., and Conway, G.A.: "Occupational Fatalities in Alaska: Two Decades of Progress, 1990-1999 and 2000-2009", Journal of Safety Research, 44 (2013) 105-110.

Wang, R., Teng, C.G., Zhang, N., Zhang, J, Conway, G.: "A Family Cluster of nitrite poisoning, Suzhou City, Jiangsu Province, China, 2013". Western Pacific Surveillance and Response, 2013 Jul-Sep; 4(3): 33-36.

Myagmarjav, N and Conway, G.A.: "Nomadic Herder Children's Injuries in Mongolia, International J Circumpolar health 72:523-523, January 2013.

Mode, N.A., O'Connor, M.B., Conway, G.A., and Hill, R.D.: "A Multifaceted public health approach to statewide aviation safety". American Journal of Industrial Medicine, 2012 Feb; 55(2): 176-86.

O'Connor, M., Lincoln, L., Conway, G.A.: "Occupational Aviation Fatalities—Alaska, 2000-2010", JAMA. 2011; 306(8):818-820 & MMWR. 2011; 60:837-840.

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"Human Immunodeficiency Serology in Public Health Clinics, South Carolina", Fourth International Conference on AIDS, Stockholm, **Sweden**, June 1, 1988.

"Costs of AIDS and HIV-Related Diseases in South Carolina: A Comprehensive Study", Fourth International Conference on AIDS, Stockholm, **Sweden**, June 2, 1988.

"Cost Effectiveness of Human Immunodeficiency Virus Screening", Fourth International Conference on AIDS, Stockholm, **Sweden**, June 2, 1988.

"Using Discharge Databases as an AIDS Case Validation Tool - Experiences in South Carolina", AIDS Surveillance Workshop, CDC, Atlanta, Georgia, October 6, 1988

"AIDS Surveillance in Native Americans", EIS Surveillance Course, CDC, Atlanta, Georgia, November 1, 1988.

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"AIDS and HIV Seroprevalence Assessment in Alaska Natives", Alaska Native Health Board, December 14, 1988, Anchorage, Alaska.

"HIV Seroprevalence Testing", American Indian Health Care Association, Twelfth Annual Conference, Fort Lauderdale, Florida, February 8, 1989.

"Epidemic Intravenous Methamphetamine Use in an American Indian Community", Late Breaker, EIS Conference, April 6, 1989, CDC, Atlanta, Georgia.

"The U.S. National Study of HIV Seroprevalence in Native Americans", Fifth International Conference on AIDS, Montreal, Quebec, **Canada**, June 1989.

"Risk of AIDS and HIV Infection in American Indians and Alaska Natives", Fifth International Conference on AIDS, Montreal, Quebec, **Canada**, June 1989.

"Underreporting of AIDS Cases South Carolina 1986-1987", Fifth International Conference on AIDS, Montreal, Quebec, **Canada**, June 1989.

"Evaluating Racial Classification Among Native American Indians with AIDS in Los Angeles County, California", Fifth International Conference on AIDS, Montreal, Quebec, **Canada**, June 1989.

"Intravenous Methamphetamine Use in American Indians and Alaska Natives", NIDA-NIMH Technical Review, Albuquerque, New Mexico, November 7, 1989.

"Epidemiology of HIV Infection and AIDS in American Indians and Alaska Natives", Division of AIDS/HIV Research in Progress Seminar, CDC, Atlanta, December 20, 1989.

"Seroprevalence of HIV Infection and AIDS in American Indians and Alaska Natives", EIS Conference, April 24, 1990, CDC, Atlanta.

"Epidemiology of HIV and AIDS in American Indians and Alaska Natives", US Public Health Service Professional Association 25th Annual Meeting, Anchorage, Alaska, June 4, 1990.

"Seroepidemiology of HIV-1 in Disadvantaged U.S. Populations", Federal Center for AIDS, Ottawa, Canada, September 11, 1990.

"Epidemiology of HIV Infection and AIDS in Alaska Natives", Alaska Federation of Natives Annual Conference, Anchorage, Alaska, October 27, 1990.

"American Indian and Alaska Native AIDS and HIV Epidemiology", International Aboriginal AIDS Conference, Vancouver, British Columbia, **Canada**, January 21, 1991.

"HIV, AIDS, and the Navajo", Navajo Nation AIDS Conference, Gallup, New Mexico, June 28, 1991.

## MAJOR PRESENTATIONS (continued)

"Increasing Prevalence of HIV in Female Poor, Undereducated U.S. Adolescents, 1988-90", Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Chicago, IL, October 1, 1991.

"Epidemiology of HIV and AIDS in Alaska Natives", Alaska Native Health Board/Alaska Department of Health and Human Services Joint Meeting, Juneau, AK, January 16, 1992.

"Epidemiology of HIV and AIDS in American Indians and Alaska Natives", Keynote Address, Native American Conference on HIV/AIDS/STD, Tulsa, Oklahoma, March 24, 1992.

"Surveillance for Work-Related Fatalities in the Alaska Commercial Fishing Industry", National Fishing Industry Safety and Health Workshop, October 9 -11, 1992, Anchorage, Alaska.

"Commercial Fishing-Related Fatalities in Alaska, 1991-1992", IX International Congress on Circumpolar Health, Reykjavik, **Iceland**, June 20-25, 1993.

A Community-Based Approach to an HIV Outbreak in a Rural American Indian/Alaska Native Community", IX International Congress on Circumpolar Health, Reykjavik, **Iceland**, June 20-5, 1993.

"Occupational Health Risks and Responses in Alaska", United States Arctic Research Commission, Hart Senate Office Building, Washington, D.C., February 24, 1994.

"Planning for the Prevention of Occupational Injuries", XIV Alaska Governor's Safety and Health Conference, March 25, 1994.

"Occupational Homicide", Alaska Governor's Safety and Health Conference, March 24, 1994.

HIV Seroprevalence Surveys, Indian Health Service, 1989-1993", VII Indian Health Service Research Conference, Tucson, AZ, April 12, 1994.

"Surveillance for Subsistence-Related Injuries in Alaska", VII Indian Health Service Research Conference, Tucson, AZ, April 12, 1994.

"Preventing Injuries in the Far North" Circumpolar Health Consortium Seminar, UAA Anchorage, Jan. 13, 1995. "Surveillance for and Prevention of Occupational Injuries" Preventive Medicine Seminar Series, Centers for Disease Control, Atlanta, Georgia, September 11, 1995.

"Injury Investigation and Prevention" Injury Epidemiology Lecture, Rollins School of Public Health, Emory University, Atlanta, Georgia, September 14, 1995.

"Logging Helicopter Crashes - Their Prevention in Alaska" APHA, San Diego, CA, October 31, 1995.

Occupational Injury Epidemiology University of Alaska Epidemiology Seminar, Anchorage, Alaska, March 12, 1996.

## MAJOR PRESENTATIONS (continued)

“Establishing Occupational Injury Surveillance and Prevention Systems”, Field Epidemiology Training Conference, Taipei, **Taiwan R.O.C.**, August 31, 1996.

“Epidemiology of Occupational Injuries” Spokane Research Center, US Bureau of Mines, Spokane, Washington, September 10, 1996.

“Occupational Injury Surveillance and Prevention”, invited lecture, Preventive Medicine Seminar, University of South Carolina School of Medicine, Columbia, September 20, 1996.

“Surveillance and Prevention of Occupational Injuries”, National Institute for Occupational Safety and Health, Morgantown, WV, September 25, 1996.

“Preventing Drownings in Alaska’s Commercial Fishing Industry”, American Public Health Association, New York City, NY, November 19, 1996.

“Does Alaska’s Health System Work? Does It Keep Alaskans Healthy?” 1996 Alaska Health Summit, Anchorage, AK, December 5, 1996.

Surveillance for and Prevention of Occupational Injuries in Alaska, Oulu Regional Institute, Finnish Institute of Occupational Health, Oulu, **Finland**, August 21, 1997.

Introduction to Epidemiology and Occupational and Public Health Surveillance, lecture series in course entitled International Course on Regional Occupational Health and Safety Surveillance Pohjola-Opisto, Haukipudas, **Finland**, August 25-27, 1997.

Preventing Occupational Injuries--The Alaska Model, Cooperation between Occupational Health and Safety Research Institutes Serving the Barents Region Workshop, Oulu, **Finland**, August 28, 1997.

Occupational Injury Surveillance and Prevention, WHO Collaborating Centre on Community Safety, Karolinska Institutet, Stockholm, **Sweden**, November 12-13, 1997.

Alaska’s Model Program for Occupational Injury Surveillance and Prevention, Skaraborg Research Institute, Skovde, **Sweden**, November 14, 1997.

Keynote Address: Cold as a Risk Factor for Injuries and Illnesses in Circumpolar Regions, International Symposium on Problems with Cold Work, Stockholm, **Sweden**, November 16, 1997.

Cold-related Non-fatal Injuries in Alaska, International Symposium on Problems with Cold Work, Stockholm, **Sweden**, November 18, 1997.

Preventing Hypothermia and Cold-water Drowning in Alaska’s Commercial Fishing Industry, International Symposium on Problems with Cold Work, Stockholm, **Sweden**, November 18, 1997.

Data: Helicopter Logging, Alaska, 1992-1997”, Fourth World Conference on Injury Prevention and Control, Amsterdam, **Netherlands**, May 1998.

## **MAJOR PRESENTATIONS (continued)**

Occupational Injury Surveillance Using the Alaska Trauma Registry, Fourth World Conference on Injury Prevention and Control, Amsterdam, **Netherlands**, May 1998.

Preventing Drownings in Alaska's Commercial Fishing Industry, Fourth World Conference on Injury Prevention and Control, Amsterdam, **Netherlands**, May 1998.

Alaska's Model Program for Preventing Occupational Injuries, Alaska Health Summit, December 2, 1998.

Traumatic Injuries in the Circumpolar North Joint Science Day, International Arctic Science Committee, Tromso, **Norway**, April 27, 1999.

Future of Circumpolar Health Archangelsk Academy of Medical Sciences, April 30, 1999, Archangelsk, **Russia**.

Surveillance and Prevention of Occupational Injuries, invited plenary talk, National Association for Public Health Statistics & Information Systems & National Center for Health Statistics Annual Meeting, Las Vegas, Nevada, June 9, 1999.

Occupational Injuries in the Circumpolar North, Arctic Council Sustainable Development Working Group, US State Department, November 17, 1999, Washington, DC.

Developing Safer Communities, Keynote address, 9th International Conference on Safe Communities, Dhaka, **Bangladesh**, February 26-28, 2000.

Effective Injury Prevention Using Surveillance Developing Safe Communities and Surveillance and Prevention of Occupational Injuries in International Course on Injury Control and Safety Promotion, for World Health Organization Collaborating Center on Safety Promotion, course taught in New Delhi, **India**, March, 2000.

The Future of Circumpolar Health Keynote Address, Tenth International Congress on Circumpolar Health, Harstad, **Norway**, June 4-9, 2000.

Epidemiology and Prevention of Alaska Rotocraft Accidents at General Aviation Accident Prevention Symposium, September 21-22, 2000, National Transportation Safety Board, Washington, D.C.

Epidemiology and Prevention of Occupational Injuries in Alaska, Injury Prevention Symposium Series, Johns Hopkins School of Public Health, Baltimore, MD, April 19, 2001.

"Field Epidemiology Training Programs and Intervention in Disease Outbreaks and Bio-Terrorism Events" Infectious Disease Symposium, Indian Ministry of Health, held at National Institute of Epidemiology, Indian Council for Medical Research and, Chennai, **India**, October 18, 2001.

Alaska's Persistent Problem of Worker Deaths in Aviation Crashes: An Interagency Initiative to Reduce Worker Deaths in Aviation Crashes in Alaska. 73rd Annual Scientific Meeting of the Aerospace Medical Association, May 9, 2002, Montreal, **Canada**.



## **MAJOR PRESENTATIONS (continued)**

“Preventing Occupational Injuries in America’s North”, 12th International Congress on Circumpolar Health, Nuuk, **Greenland**, September 14, 2003.

“Epidemiology and Prevention of Deaths in Alaskan Pilots” Keynote Address, American Aviation Medical Directors’ Association Conference, Anchorage Alaska, May, 2004.....

“Commercial Fishing Mortality: A World-Wide Problem”, National Safety Council, September, 2006, Orlando, Florida, USA.

“Progress in Preventing Deaths in Fishermen” Opening Address, International Fishing Industry Safety and Health Conference, Mahabalipuram, Tamil Nadu, **India**, February 4, 2006.....

“Epidemiology and Prevention of Occupational Fatalities in U.S. Miners and Other High-risk Workers.” Invited Lecture, University of Arizona School of Public Health, Tucson, AZ, March 7, 2006. ..

“Applying Research to Progress in Occupational Safety and Health”, Keynote Address, Western Agricultural Safety and Health Conference, Asilomar, CA, September 22, 2006.....

“New Approaches for Sea Safety and Deck Injury Prevention” (invited Keynote Address) 9th International Symposium on Maritime Health, Esbjerg, **Denmark**, June, 2007.....

“Toward Reducing the International Gradient in Sea Safety for Fishermen and Other Mariners” (invited Opening Keynote Address) 9th International Symposium on Maritime Health, Esbjerg, **Denmark**, June, 2007.....

“Tractor Safety: Are We Getting Any Traction?” National Institute for Farm Safety, Penticton, British Columbia, **Canada**, July, 2007. ....

“Applying Research Results to Practice: General Principles and Some Examples of Successes” (invited Keynote) Third Regional Conference on Occupational Health, Kuala Lumpur, **Malaysia**, April 5, 2008.....

Conway, G.A. and Yadava, Y.S.: ‘Surveillance and Prevention of Mortality in Small-Scale Fishermen in Southern Asia’, Invited talk, 1st International Congress of Maritime, Tropical, and Hyperbaric Medicine, Gdynia, **Poland**, June 4-6, 2009..

Conway, G.A. and Yadava, Y.S. “Surveillance systems for occupational deaths and injuries in South Asian Fishermen.” Keynote address, “Improving Safety and Health of Fishing Communities: A Bay of Bengal Initiative” Workshop, December 13-14, 2010, Mahabilapuram, Tamil Nadu, **India**.

Conway, G.A., “China CDC and USCDC in China Collaborations”, Keynote address, 60th Anniversary Celebration, Zhejiang CDC, Hangzhou, **China**, 4 July, 2013.

Conway, G.A.: “Epidemiology of Human Health Effects from Air Pollution”, National Aeronautics and Space Administration Goddard Space Flight Center, Greenbelt, Maryland, 20 May, 2014.

## **MAJOR PRESENTATIONS (continued)**

Conway, G.A., “International Collaboration on Air Pollution and Environmental Health” Keynote Address, International Conference on Environmental and Occupational Medicine, Oct 16, 2014, Shanghai, **China**.

Conway, G.A., “Increase in Medical Emergency Calls and Calls for Central Nervous Systems Symptoms During a Severe Air Pollution Event”, January 2013, Jinan City, China”, Shandong Epidemiology Conference, November 12, 2015, Jinan, Shandong Province, **China**.

Conway, G.A., “The Collaborative Ebola Response in West Africa, 2014-2015” China National Epidemiology Conference, September 22, 2016, Beijing, **China**.

Conway, G.A., “Air Pollution Health Effects in Ho Chi Minh City”, in Air Quality & Impact on Health and Economy Series, American Chamber of Commerce in Vietnam, Ho Chi Minh City, **Vietnam**.  
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Conway, G.A.: “Air Pollution Health Effects and How to Protect Yourself”, Concordia International School, May 9, 2018, Hanoi, **Vietnam**....

Conway, G.A.: “Key Pathophysiology of Air Pollution Health Effects” Hanoi Polytechnic University, May 9, 2018, Hanoi, **Vietnam**....

Conway, G.A.: “Convergence of Air Pollution and Global Climate Change Challenges”, Hanoi University of Natural Resources and Environment”, May 10, 2018, Hanoi, **Vietnam**....

Conway, G.A.: “Air Pollution in Vietnam”, US Embassy Vietnam Town Hall, May 10, 2018, Hanoi, **Vietnam**. <https://www.facebook.com/usembassyhanoi/videos/2077986698896848/>;

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