

# M. Allison Arwady, MD, MPH

## PROFESSIONAL EXPERIENCE

**Director, National Center for Injury Prevention and Control** January 2024-present  
**U.S. Centers for Disease Control and Prevention (CDC)** Atlanta, GA

- Lead CDC's national strategy, science, and programming to prevent overdoses, violence across the lifespan, suicide, and unintentional injuries (drowning, traumatic brain injury, transportation, older adult falls).
- Direct one of CDC's major centers, leading a team of 1,000+ employees, contractors, and trainees across the Divisions of Overdose Prevention, Violence Prevention, and Injury Prevention.
- Fund state and local health departments across the country with hundreds of millions of dollars annually to build the national injury data infrastructure and to implement and evaluate evidence-based programming across the U.S. in all topic areas. Also fund academic researchers across the country to continue to build the evidence base for best practices in overdose, suicide, violence, and injury prevention.
- Implement a new Behavioral Health Coordinating Unit to help coordinate mental health and behavioral health activities across CDC, and in line with other federal agencies. Direct the team that is implementing and evaluating the new National Strategy for Suicide Prevention and Federal action plan.

**Commissioner** June 2019-August 2023  
**Chicago Department of Public Health (CDPH)** Chicago, IL (Acting June 2019-Jan 2020)

- Led the health department of the nation's third-largest city (800+ employees and \$1 billion+ annual budget), including through the COVID-19 pandemic--while promoting CDPH's mission to improve health equity and close Chicago's racial life expectancy gap.
- Planned, directed, managed, and oversaw all functions, programs, and operations of the health department. Maintained and grew department morale, initiatives, and funding. Supported dozens of programs, from newborn nurse home visiting and restaurant inspections to mosquito control and free eyeglasses in schools. Used data to control infectious diseases; protect the environment and eliminate hazards; prevent violence; prepare for emergencies with the health care system; help Chicagoans access treatment, including for mental health and substance use; build community power; and promote health across the lifespan.
- Represented CDPH on local, state, and national media platforms (including hundreds of media appearances); in public, intergovernmental, and community meetings; and on scientific committees and workgroups. Hosted regular live social media sessions.
- Brought local perspective to national public health conversations, including as chair-elect of the national Big Cities Health Coalition. For example, participated in national partner convening for *Mental Health Promotion and Suicide Prevention Framework*, and served as committee member for *Navigating Infodemics and Building Trust in Public Health Emergencies* conference with National Academies of Science, Engineering and Medicine.

**Chief Medical Officer and Deputy Commissioner**

**August 2015-January 2020**

**Chicago Department of Public Health Chicago, IL**

- Led health protection bureau: approximately 250 employees in emergency preparedness, communicable disease, immunizations, tuberculosis, lead poisoning prevention, vector control, food protection, and environmental permitting
- Led behavioral health bureau: approximately 50 employees in substance use, violence prevention, and mental health
- Supervised medical directors and deputy/assistant commissioners. Led strategic planning and policy development initiatives. Special focus on outbreak control; opioid response; healthcare provider outreach; academic health department initiatives; epidemiology
- Reviewed and advised clinical activities. Edited and wrote content for scientific and general audiences. Gave media and public presentations. Co-wrote, coordinated, and ensured program implementation of multi-million-dollar federal and state grants

**Instructor, University of Illinois at Chicago School of Public Health 2018-2020 (fall semesters)**

- Co-taught (with C. Conover) evening *Foundations of Public Health* graduate course

**Epidemic Intelligence Service Officer**

**July 2013-June 2015**

**Centers for Disease Control and Prevention (CDC) Atlanta, GA and Chicago, IL**

- Based at Illinois Department of Public Health, Bureau of Infectious Diseases (Chicago)
- Participated in and led disease outbreak investigations in acute care, long-term care, prison, clinic, and community settings in Illinois
- Deployed to Saudi Arabia (MERS-CoV) and twice to Liberia (Ebola) for outbreak response; independently evaluated health care facility preparedness; trained local response teams; helped shape national trainings and policies
- Analyzed and presented data for public policy use related to Ebola preparedness and Illinois' new Extensively Drug Resistant Organism Registry, among other projects
- Gave >30 invited public health talks to academic, public health, and general audiences at local, state, and national meetings

**Chief Resident Physician, Internal Medicine/Primary Care**

**July 2012-June 2013**

**Yale University School of Medicine/Waterbury Hospital Waterbury, CT**

- Led daily clinical teaching, supervised resident physicians, designed new curricula
- Inpatient attending physician, Waterbury Hospital; med-peds outpatient clinic
- Global Health chief resident, mentored residents and research in Dominican Republic

**Intern and Resident Physician, Internal Medicine-Pediatrics**

**July 2008-June 2012**

**Yale University School of Medicine/Yale-New Haven Hospital New Haven, CT**

- Worked 60-80+ hours/week as a physician in academic medical centers; VA and community hospitals; inpatient, ICU, emergency departments and outpatient settings; Ugandan hospital
- Johnson & Johnson Global Health Scholar; Gold Humanism Honor Society

**Research Fellow (Medical Student fellowship)**

**August 2006-May 2007**

**Centers for Disease Control and Prevention (CDC) Atlanta, GA**

- Based at Botswana Ministry of Health tuberculosis program, Gaborone, Botswana
- Assisted with trial of extended isoniazid preventive therapy in 2,000 HIV-positive subjects

**Senior Technician, Cardiopulmonary Exercise Laboratory**

**July 2000- July 2003**

**Columbia-Presbyterian Medical Center** New York, NY

- Managed day-to-day patient testing and clinical research activities; helped write and edit research and data collection protocols; collected, analyzed, and cleaned data
- Traveled internationally (Europe) to train and certify research study sites

**Medical Proofreader**

**January 2000-June 2000**

**The Impact Group** New York, NY

- Edited 100+ medical documents and journal articles

**Managing Editor, Associate Editor, Researcher-Writer**

**June 1996-March 1999**

**Let's Go Publications** Cambridge, MA

Part time during school year/full time in summer

- **Managing Editor** (1997-98) Recruited, hired, managed 70 editorial staff and 170 researcher-writers as part of budget travel guide series' editorial team
- **Associate Editor** (1997) Edited 600 pages of text for first edition of *Let's Go Australia*
- **Researcher-Writer** (1996-99) Traveled internationally, writing, updating travel guides

**EDUCATION**

**University of Chicago** Chicago, IL

January-May 2018

**Civic Leadership Academy Fellowship** (non-degree)

- Leadership development program for high-potential leaders in Chicago/Cook County

**Yale University School of Medicine** New Haven, CT

September 2003-May 2008

**MD, 2008:** Includes 1 year in Botswana as CDC research fellow; 3 international rotations

- Norma Bailey Berniker Prize, for graduate "best exemplifying Oath of Hippocrates..."

**Columbia University, Mailman School of Public Health** New York, NY  
2003

Sept 2001-Dec

**MPH, 2003:** Sociomedical sciences (history and ethics of public health and medicine)

- Also completed postbaccalaureate premedical courses, both while working full-time

**Harvard University** Cambridge, MA

September 1994-May 1998

**BA, 1998:** History and Literature *cum laude*

- Michael C. Rockefeller Fellowship. Supported post-graduate work (Australia, 1998-9)

**CERTIFICATION AND MEDICAL LICENSURE**

- Certified, American Board of Internal Medicine 2012-present
- Certified, American Board of Pediatrics 2012-present
- Active Illinois medical license
- Practicing primary care physician 2008-present

**VOLUNTEER WORK**

**Volunteer primary care physician, CommunityHealth free clinic, Chicago**

2014-2023

- Largest volunteer-based free clinic in the nation (>10,000 patients annually)

- Provide direct care for uninsured primary care patients weekly (4 hours/week) 2014-2020, currently biweekly; also intermittently lead teaching sessions for medical students
- Community Provider of the Year award, 2015
- Serafino Award (top organizational award), 2022

**Volunteer Docent, Chicago Architecture Foundation** 2017-present

- Research, develop and lead public and educational riverboat and walking tours of Chicago's architecture and history (approx. 15-20 tours per year)

**Volunteer Academic Lecturer (sample)**

- *Communicating in a Crisis*; University of Chicago, Civic Leadership Academy (annual)
- *Intro to Epidemiology of Communicable Diseases*, Northwestern University (annual)
- Class discussions/lectures in local public health and medical schools (multiple/year)
- Medical Grand Rounds presentations at academic hospitals (multiple/year)

## BOARD MEMBERSHIP

**Chair-Elect, Big Cities Health Coalition** Member 2019-23, Vice Chair 2022-3, Chair-Elect 2023

- Coalition of the country's 35 largest metropolitan health departments

**Co-Chair, Chicago Council for Mental Health Equity** 2020-2023

**Co-Chair, Leadership Council, Elevated Chicago** 2019-2023

- Community-public-private collaborative supporting equitable transit-oriented development

**Board Member, Opioid Remediation State Advisory Board, Illinois** 2022-2023

- Make recommendations for administration and distribution of state opioid settlement funds

**Board Member, Neighborspace, Chicago** 2019-2023

- Nonprofit urban land trust that preserves and sustains community-led gardens in Chicago

**Voting Member, Chicago Continuum of Care** 2019-2023

- Coordinate approach to housing and services for people experiencing homelessness

**Treasurer, Racine Condominium Association Board** 2019-2023

## LANGUAGES

- Intermediate/conversational Spanish. Regular use in clinical settings.
- Basic German.

## RECENT RECOGNITION/AWARDS

- **"From the Heart" Award: Tapestry 360, Chicago, 2024**
- **Mayor's Medal of Honor: Behavioral Health Team, City of Chicago, 2023**
- **Champion of Public Health Award, Illinois Hispanic Chamber of Commerce, 2022**
- **Pandemic Heroes, Franciscan Outreach, 2022**
- **Serafino Award, Community Health, 2022**

- **Award for Public Service**, *Institute of Medicine Chicago*, 2021
- **Mayor's Medal of Honor: Dr. Allison Arwady**, *City of Chicago*, 2021 (*inaugural award*)
- **The New Power 30**, *Chicago Magazine*, March 2021
- **Woman of the Year**, *Zeta Phi Beta Sorority, Inc.*, 2021
- **Health Care Champion Award**, *Humboldt Park Health*, 2021
- **Enhancing Lives Award**, *The Boulevard, Chicago*, 2021
- **Health Innovator, Health Equity Impact Awards**, *Erie Family Health Centers*, 2020
- **Excellence in Public Service Award**, *Motorola Solutions Foundation*, 2020
- **Chicagoan of the Year**, *Chicago Magazine*, December 2020
- **Notable Women in Health Care**, *Crain's Chicago Business*, November 2019

## SCIENTIFIC PUBLICATIONS/MEETING PRESENTATIONS

Rushovich T, Arwady MA, Salisbury-Afshar E, Arunkumar P, Aks S, Prachand N. **Opioid-related overdose deaths by race and neighborhood economic hardship in Chicago.** *J Ethn Subst Abuse.* 2022 Jan-Mar; 28:1-14.

Fricchione MJ, Seo JY, Arwady MA. **Data-driven reopening of urban public education through Chicago's tracking of COVID-19 school transmission.** *J Public Health Manag Pract.* 2021 May-Jun 01; 27(3):229-232.

Ghinai I, et al (includes Arwady MA). **Risk factors for severe acute respiratory syndrome coronavirus 2 infection in homeless shelters in Chicago, Illinois—March-May, 2020.** *Open Forum Infect Dis.* 2020 Oct 12;7(11):ofaa477.

Ghinai I, Woods S, Ritger KA, McPherson TD, Black SR, Sparrow L, Fricchione MJ, Kerins JL, Pacilli M, Ruestow PS, Arwady MA, Beavers SF, Payne DC, Kirking HL, Layden JE. **Community transmission of SARS-COV-2 at two family gatherings—Chicago, Illinois, February-March 2020.** *MMWR Morb Mortal Wkly Rep.* 2020 Apr 17;69(15):446-450.

Nanduri SA, Metcalf BJ, Arwady MA, Edens C, Lavin MA, Morgan J, Clegg W, Beron A, Albertson JP, Link-Gelles R, Ogundimu A, Gold J, Jackson D, Chochua S, Stone N, Van Beneden C, Fleming-Dutra K, Beall B. **Prolonged and large outbreak of invasive group A Streptococcus disease within a nursing home: repeated intrafacility transmission of a single strain.** *Clin Microbiol Infect.* 2019 Feb; 25(2):248. S1198-743X(18)30408-7.

Rushovich T, Arwady A, Salisbury-Afshar E, Arunkumar P, Kiely M, Aks S, Prachand N. **Annual opioid surveillance report—Chicago.** *City of Chicago, October 2018.*

Ray MJ, Lin MY, Tang AS, Arwady MA, Lavin MA, Runningdeer E, Jovanov D, Trick WE. **Regional spread of an outbreak of carbapenem-resistant Enterobacteriaceae through an ego network of healthcare facilities.** *Clin Infect Dis.* 2018; 67(3): 407-10.

Rushovich TS, Salisbury-Afshar E, Arunkumar P, Arwady A, Prachand N. **Opioid Overdose Deaths in Chicago: An Investigation Into the Role of Race, Place, and Economic Hardship.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2018.

Toews KA, Xydis S, Anderson D, Black SR, Pacilli M, Masinter L, **Arwady A. Communication Strategies and Capacity Building for Engaging and Educating Outpatient Health Care Providers in Large Scale Response.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2018.

Rushovich TS, Salisbury-Afshar E, Aks, SE, Arunkumar P, **Arwady A, Prachand N. Reclassifying Fatal Overdoses to Understand Heroin Involvement, Chicago 2015.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2018.

Xydis S, Toews KA, Ruestow P, Pacilli M, Black SR, **Arwady A. Evaluation of Zika Virus Outreach in Targeted Communities—Chicago Department of Public Health, 2016-7.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2018.

Rushovich T, Bates B, Salisbury-Afshar E, Arunkumar P, Aks P, **Arwady A, Prachand N. Opioid-related overdose deaths in Cook County, 2016.** *City of Chicago, January 2018.*

Clegg WJ, Linchango PC, **Arwady MA, Frias M, Bemis K, Beron AJ, Albertson JP, Conover C, Reid H, Saathoff-Huber L, Echols F, Rubin R, Christiansen D. Measles outbreak in a child care center, Cook County, Illinois, 2015.** *J Pediatric Infect Dis Soc. 2017; 6(3):239-244.*

Pacilli M, Ruestow P, Black SR, Masinter L, Lohff C, **Arwady MA. Zika Virus Readiness and Response.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2017.

Smith SS, Samala U, Ruestow P, Ayala S, Miller L, Pacilli M, Butler G, **Arwady MA, Black SR, Kemble SK. E. coli O157:H7 Strikes Chicago: An Investigation of STEC Associated with a Chicago Restaurant.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2017.

Rushovich T, Salisbury-Afshar E, Arunkumar P, Kiely M, Aks S, **Arwady A, Prachand N. Epidemiology report: Increase in overdose deaths involving opioids—Chicago, 2015-2016.** *City of Chicago, October 2017.*

**Arwady MA, Alraddadi B, Basler C, Azhar EI, Abuelzein E, Sindy AI, Sadiq BM, Althaqafi AO, Shabouni O, Banjar A, Haynes LM, Gerber SI, Feikin DR, Madani TA. Middle East Respiratory Syndrome coronavirus transmission in extended family, Saudia Arabia, 2014.** *Emerg Infect Dis. 2016; 22(8):1395-402.*

Albertson J, **Arwady MA, Morgan J, Echols F, Austin C. Cluster of Invasive Methicillin-Resistant Staphylococcus Aureus (MRSA) Infections Following Epidural Steroid Injections at a Pain Management Clinic—Illinois, 2015.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2016.

Clegg WJ, Chavez-Torres M, Black SR, **Arwady MA, Kemble SK. Use of the Illinois Immunization Information System to Evaluate a Meningococcal Vaccination Campaign Response to an Outbreak of Invasive Meningococcal Disease in Chicago, 2015.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2016.

Ray MJ, Lin MY, Tang AS, **Arwady MA**, Lavin MA, Runningdeer E, Trick WE. **Retrospective Use of an Ego Network to Predict Regional Spread during an Outbreak of Carbapenem-Resistant Enterobacteriaceae (CRE) in Illinois.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2016.

Kemble SK, Smith SS, Samala U, Pacilli M, Chavez-Torres M, Masiello Schuette S, Stonehouse P, Chugh R, Murphy EB, Petit C, Clegg WJ, Folaranmi TA, **Arwady MA**, Morita J, Black STR. **Outbreak of Nisseria Meningitidis Serogroup C Among Chicago-Area Men Who Have Sex With Men, 2015.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2016.

**Arwady MA. Middle East Respiratory Syndrome-coronavirus in an extended family: risk factors for household transmission—Saudi Arabia, 2014.** Oral presentation, Epidemic Intelligence Service conference, 2015.

Trick WE, Lin MY, Cheng-Ledig R, Driscoll M, Tang AS, Gao W, Runningdeer E, **Arwady MA**, Weinstein RA. **Electronic public health registry of extensively drug-resistant organisms, Illinois, USA.** *Emerg Infect Dis.* 2015; 21(10):1725-32.

**Arwady MA**, Bawo L, Hunter JC, Massaquoi M, Matanock A, Dahn B, Ayscue P, Nyenswah T, Forrester JD, Hensley LE, Monroe EB, Schoepp RJ, Chen TH, Schaecher KE, George T, Rouse E, Schafer IJ, Pillai SK, De Cock KM. **Evolution of Ebola virus disease from exotic infection to global health priority, Liberia, mid-2014.** *Emerg Infect Dis.* 2015; 21(4).

Tang A, Leidig RC, Trick W, Lin M, Gao W, Runningdeer E, **Arwady MA**, Driscoll M. **Updates to the Illinois Extensively Drug-Resistant Organism (XDRO) Registry for Improved Inter-Facility Communication and Surveillance of Carbapenem-Resistant Enterobacteriaceae.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2015.

Beron AJ, Linchangco P, Frias M, Bemis K, Clegg WJ, Albertson J, **Arwady MA**, Saathoff L, Reid H, Christiansen D. **Outbreak of Measles Associated with a Cook County, IL Child Care Center, January-February 2015.** Poster presentation, Council of State and Territorial Epidemiologists national conference, 2015.

**Arwady MA**, Garcia EL, Wollor B, Mabande LG, Reaves EJ, Montgomery JM. **Reintegration of Ebola survivors into their communities—Firestone District, Liberia, 2014.** *MMWR Morb Mortal Wkly Rep.* 2014;63(50): 1207-9.

Reaves EJ, Mabande LG, Thoroughman DA, **Arwady MA**, Montgomery JM. **Control of Ebola virus disease—Firestone District, Liberia, 2014.** *MMWR Morb Mortal Wkly Rep.* 2014;63(42):959-65.

**Arwady MA. Ebola: the epidemic abroad and preparations at home.** Invited oral presentation, Institute for Healthcare Improvement national conference, 2014.

Matanock A, **Arwady MA**, Ayscue P, Forrester JD, Gaddis B, Hunter JC, Monroe B, Pillai SK, Reed C, Schafer IJ, Massaquoi M, Dahn B, De Cock KM. **Ebola virus disease cases among health care workers not working in Ebola treatment units—Liberia, June-August, 2014.** *MMWR Morb Mortal Wkly Rep.* 2014;63(46):1077-81.

Arwady MA, Biery K, Tsai V, Samadpour M, Austin C. ***Pseudomonas aeruginosa* infections caused by upper-ear cartilage piercing and contaminated cleaning agents—Illinois, 2013.** Oral presentation, Council of State and Territorial Epidemiologists (CSTE) national conference, 2014.

Arwady MA. **Preparing for Ebola.** Invited oral presentation, Vermont Oxford Network national conference, 2014.

Pillai SK, Nyenswah T, Rouse E, Arwady MA, Forrester JD, Hunter JC, Matanock A, Ayscue P, Monroe B, Schafer IJ, Poblano L, Neatherlin J, Montgomery JM, De Cock KM. **Developing an Incident Management System to support Ebola response—Liberia, July-August 2014.** *MMWR Morb Mortal Wkly Rep.* 2014; 63(41):930-3.

Arwady MA. **Febrile illness at a state correctional facility—Illinois, 2013.** Oral presentation (opening speaker of conference), Epidemic Intelligence Service conference, CDC, 2014.

Forrester JD, Hunter JC, Pillai SK, Arwady MA, Ayscue P, Matanock A, Monroe B, Schafer IJ, Nyenswah TG, De Cock KM. **Cluster of Ebola cases among Liberian and U.S. health care workers in an Ebola treatment unit and adjacent hospital—Liberia, 2014.** *MMWR Morb Mortal Wkly Rep.* 2014;63(41):925-9.

Arwady MA, Gibson C, Austin C. **Role of social media in investigating rash in mud race obstacle course participants—Illinois, 2013.** Oral presentation, Council of State and Territorial Epidemiologists national conference, 2014.

Epstein L, Hunter J, Arwady MA, Tsai V, Frias M, Moulton-Meissner H, Avillan J. **New Delhi metallo- $\beta$ -lactamase-producing *Escherichia coli* associated with endoscopic retrograde cholangiopancreatography—Illinois, 2013.** *MMWR Morb Mortal Wkly Rep.* 2014; 62(51): 1051.

Arwady MA, Vallabhaneni S, Tsai V, Smith R, Park B, Conover C. **Histoplasmosis at a state correctional facility—Illinois, 2013.** Poster presentation, Infectious Disease Society of America ID Week conference, 2014.

Vahora J, Arwady A. **Evaluation of REDCap as a tool for outbreak data management, Illinois, 2013-2014.** Poster presentation, International Society for Disease Surveillance conference, 2014.

Arwady A. **Abnormal Liver Function Tests in the Asymptomatic Patient.** In *Yale Office-based Medicine Curriculum*, eds. Julie R Rosenbaum, Seonaid F. Hay, Laura M. Whitman, 7th edition. 2013. New Haven, CT: Yale University.

Arwady MA. **The uses of rickets and vitamin D deficiency: creating a universal disease.** Oral presentation, American Association for the History of Medicine national conference, 2011.

Arwady MA. **A Piece of My Mind: Collaterals.** *JAMA.* 2010; 303(22): 2229-30.

Arwady MA, Morse M. **Providing Language Interpretation Services in Botswana: Experience of Patients, Nurses, and Physicians.** Poster presentation, Yale Internal Medicine/Primary Care Research Day, 2010. (First Place Poster Award.)



Agizew TB, **Arwady** MA, Yoon JC, Nyirenda S, Mosimaneotsile B, Tedla Z, Mostsamai O, Kilmarx PH, Wells CD, Samandari T. **Tuberculosis in asymptomatic HIV-infected adults with abnormal chest radiographs screened for tuberculosis prevention.** *International Journal of Tuberculosis and Lung Disease.* 2010; 14(1):45-51.

**Arwady** MA, Warner JH. **The Uses of Ricketts: Race, Technology, and the Politics of Preventive Medicine in the Early Twentieth Century.** Poster presentation, Yale University School of Medicine Research Day, 2008.

Gammino VM, Mboya JJ, **Arwady** A, Yoon J, Sheth A, Nkubito G, Roels TH, Wells CD, Samandari T. **Expansion of TB/HIV surveillance in Botswana.** Poster presentation, International Union Against Tuberculosis and Lung Disease world conference, 2007.

Samandari T, Agizew T, **Arwady** A, Yoon J, Nyirenda S, Mosimaneotsile B, Tedla Z, Mostsamai O, Kilmarx P, Wells C. **Chest radiograph abnormalities among asymptomatic HIV-1-infected adults screened for the Botswana isoniazid preventive therapy clinical trial, 2004-2006.** Poster presentation, International Union Against Tuberculosis and Lung Disease world conference, 2006.

**Arwady** A, Lerner BH. **Cancer.** In *Encyclopedia of Disability*, ed. Albrecht, GL. Sage Publications (Thousand Oaks, CA), 2006. Vol 1: 212-6.

Hirsh DS, Vittorio TJ, Barbarash SL, Hudaihed A, Tseng CH, **Arwady** A, Goldsmith RL, Jorde UP. **Association of heart rate recovery and maximum oxygen consumption in patients with chronic congestive heart failure.** *J Heart Lung Transplant.* 2006; 25(8):942-5.

Goldsmith RL, Trufant JW, Mueller GM, **Arwady** MA, Burkhoff D. **Optimizing exercise protocols for heart failure trials.** Poster presentation, American College of Cardiology national conference, 2004.

Hirsh DS, Vittorio TJ, Barbarash SL, Hudaihed A, Tseng CH, **Arwady** A, Goldsmith RL, Jorde UP. **Heart rate recovery as a predictor for maximum oxygen consumption in patients with chronic congestive heart failure.** Poster presentation, American College of Cardiology national conference, 2004.

Androne AS, Hryniewicz K, Goldsmith R, **Arwady** A, Katz SD. **Acetylcholinesterase inhibition with pyridostigmine improves heart rate recovery after maximal exercise in patients with chronic heart failure.** *Heart (British Cardiac Society).* 2003;89(8):854-8.

Kawut SM, Gates GJ, **Arwady** MA, Garofano RP, Goldsmith RL, Rosenzweig EB, Horn EM, Barst RJ. **Cardiopulmonary exercise testing for predicting survival in primary pulmonary hypertension.** Poster presentation, American Thoracic Society national conference, 2003.

**Arwady** A, Kiesig V, Marks E, Simpson EN. **History of minority-targeted tobacco advertising in the United States.** Oral presentation, American Association for the History of Medicine national conference, 2003.

Rosenwinkel ET, Bloomfield DM, **Arwady** MA, Goldsmith RL. **Exercise and autonomic function in health and cardiovascular disease.** *Cardiology Clinics.* 2001; 19(3):369-87.