CURRICULUM VITAE
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Thomas Wesley Harrell, MD, MSS, CPE, FACC
Major General, USAF, MC, CFS

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EDUCATION:

Undergraduate
University of South Florida
Tampa, Florida
B.S., Biology, 1988 *(cum laude)*

Medical
University of South Florida College of Medicine
Tampa, Florida
M.D., 1992

Internship/Residency
74th Medical Group
Wright Patterson, AFB
Internal Medicine, 1992 - 1995

Fellowship
University of Colorado Health Sciences Center
Cardiology/Electrophysiology, 1992 - 1995

Post-Doctorial
Air War College
Maxwell AFB, Alabama
Master of Strategic Studies (M.S.S.) 2010 - 2011

MILITARY TRAINING COURSES:

Chief Aeromedical Services/Advanced Flight Surgeon Course 2004 ✦ Intermediate Executive Skills Course 2005 ✦ Interagency Institute for Federal Health Care Executives 2009 ✦ Medical Capstone Course 2012 ✦ Joint Senior Medical Leaders Course 2014 ✦ U.S. Air Force Senior Leadership Program, Center for Creative Leadership 2015 ✦ U.S. Air Force Enterprise Perspective Seminar 2016 ✦ Medical Strategic Leader Program 2017 ✦ Enterprise Leadership Seminar, Kenan-Flagler Business School, University of North Carolina 2022 ✦ Advanced Senior Leader Development Seminar 2024 ✦ Leading Data and AI-Enabled Organizations 2024

CLINICAL EXPERIENCE HIGHLIGHTS

Staff Cardiologist
Sustained work from 1998 until present in outpatient and inpatient settings
Chief of Cardiology at Mike O'Callaghan Federal Hospital
Chief of the Medical Staff at Mike O'Callaghan Federal Hospital
Aerospace Cardiology Consultant
Developed USAF medical policy for all air crew positions determining safety of flight and risk mitigation advising the USAF Surgeon General, Chief of Staff of the USAF, and Secretary of the Air Force
Aerospace Cardiologist, USAF School of Aerospace Medicine Consultation Service

Conducted clinical research medical evaluation of aircrew with cardiac conditions and conducting clinical research to impact policy decisions
Created and led the Medical Flight Screening Branch at the USAF School of Aerospace Medicine Consultation Service providing complete, multi-disciplinary evaluations of prospective aircrew for accession into the USAF

Chair Department of Surgery Royal Air Force Lakenheath (RAFL), Created and sustained the USAF and United Kingdom National Health System clinical exchange program at RAFL and Cambridge University Addenbrooke Hospital which allowed USAF surgical teams to integrate into the NHS to provide care

Air Education and Training Command Surgeon, Created and sustained the USAF Accession Medical Waiver Division at the Air Force Recruiting Service designed to evaluate and render expert opinion on evolving medical conditions that could impact safety of flight.

WORK HISTORY/MILITARY ASSIGNMENT HISTORY (Reverse Chronology)

Director/Commander
Defense Health Agency Network Central/
Medical Readiness Command Alpha
Joint Base San Antonio-Lackland, TX
Aug 2023 – Present

Commander
59th Medical Wing Ambulatory Surgical Center
Joint Base San Antonio-Lackland, TX
Aug 2023 – Sep 2024

Commander
Air Force Medical Readiness Agency Defense Health Head Quarters Falls Church, VA
Jun 2021 – Aug 2023

Deputy Director
Air Force Medical Service Operations
Defense Health Head Quarters Falls Church, VA
Jun 2018 – Jun 2021

Command Surgeon
Air Education and Training Command
Joint Base San Antonio-Randolph, TX
Jun 2016 – Jun 2018

Commander
Keesler Medical Center/81st Medical Group
Keesler AFB Biloxi, MS
Apr 2014 – Jun 2016

Commander
Joint Base Elmendorf-Richardson DoD/VA Hospital/673 Medical Group
Jt Base Elmendorf-Richardson Anchorage, AK
Jul 2011 – Apr 2014

Class President/Student
Air War College
Maxwell AFB Montgomery, AL
Jul 2010 – Jun 2011

Deputy Director, Medical Operations
Air Force Medical Operations Agency
Kelly AFB San Antonio, TX
Jul 2009 – Jul 2010

Staff Cardiologist
San Antonio Military Medical Center
Lackland AFB, San Antonio, TX
Jul 2009 – Jul 2010

Commander/Surgery Department Chair/Staff Cardiologist
RAF Lakenheath Hospital/48 Medical Group
Royal Air Force, Lakenheath, United Kingdom
Jul 2007 – Jul 2009

Flight Commander
Flight Medicine Clinic
Jul 2005 – Jun 2007
Chief of Aeromedical Service
Jun 2006 – Jun 2007
Ramstein AB Outpatient Clinic
Ramstein AB Ramstein, Germany
Jul 2005 – Jun 2007
Staff Cardiologist
Landstuhl Regional Medical Center
Landstuhl, Germany
Jul 2005 – Jun 2007

Chief, Medical Flight Screening Branch
Jun 2004 – Jun 2005
Chief, AF Flying Class One Screening Program Sep 2003 – Jun 2004
Chief, Medical Flight Screening Echocardiography Jun 2002 – Jun 2005
Chief Nuclear Cardiology
Jun 2002 – Jun 2005
Staff Cardiologist
Jun 2002 – Jun 2005
USAF Aeromedical Consult Service
Brook City-Base San Antonio, TX
May 2002 – Jun 2005
Staff Cardiologist
Wilford Hall Medical Center
Lackland AFB, San Antonio, TX
Jun 2002 – Jun 2005

Chief, Medical Services Jun 2001 – Jun 2002
Chief, Cardiopulmonary Jun 1999 – Jun 2002
Chief, Internal Medicine Element Jun 1999 – Jun 2001
Director, Phase II Physician's Assistant Training May 2001 – Jun 2002
Director, Disease Management Sep 1999 – Jun 2000
Director, Continuing Medical Education Sep 1998 – Jun 2001
Director, ACLS Training Sep 1998 – Jun 2002
Mike O'Callaghan Federal Hospital
Nellis AFB Las Vegas, NV
Jun 1998 – Jun 2002

DEPLOYMENT /AERIAL DUTY HISTORY

Ali Al Salem Air Base
Squadron Medical Element, C-130
Kuwait Jun 2006
Short duration missions to 10 countries in Africa
Chief Flight Surgeon; 730 flight hours and 94 combat flight hours: F-16, T-43A, T-37B, T-1, KC-135, C-40, C-130, C-37, C-32, C-21, C-20, C-17, C-12, UH-60

LICENSURE and SPECIALTY CERTIFICATION

Current unrestricted license: Colorado #36325; Florida – In Application
Board Certification: Cardiology – Current
Physician Executive – Current

HONORS and RECOGNITION

2024 University of South Florida President's Medal
2022 Alpha Omega Alpha Honor Medical Society
2011 Secretary of the Air Force Leadership Award
2011 Air War College Research Excellence Award
2008 USAF/American College of Physician Executives Scholarship
2008-09 USAFE Competent Medical Authority / Personal Reliability Program Consultant
2007 Excellence in clinical/academic teaching Special Experience Identifier

2004-09 USAF Surgeon General Aerospace Cardiology Consultant
2004 AFMC Outstanding Achievement in Clinical Research Award
2002 USAF Paul W. Meyers Preceptor of the Year for USAF Physician Assistants Program
1999, 2001, 2002 Mike O'Callaghan Federal Hospital Preceptor of the Year
2000 Mike O'Callaghan Federal Hospital Professional Performer Award

MILITARY DECORATIONS

Distinguished Service Medal✦Legion of Merit (3 devices)✦Meritorious Service Medal (4 devices)✦Air Medal✦Air and Space Outstanding Unit Award (9 devices)✦National Defense Medal with Service Star ✦Iraq Campaign Medal with Service Star✦Global War on Terrorism✦Armed Forces Service Medal✦ Nuclear Deterrence Operations Service Medal (1 device)✦Alaska National Guard Legion of Merit

ACADEMIC APPOINTMENTS

Affiliate Faculty, USAF School of Aerospace Medicine, 2002- 05
Adjunct Clinical Professor, University of Nevada School of Medicine, 2001- 02
Affiliate Faculty, University of Colorado School of Medicine, 1995- 98
Affiliate Faculty, Uniform Services University of Health Sciences, 1992- 95
Affiliate Faculty, Wright State University School of Medicine, 1992- 95

PROFESSIONAL SOCIETIES

Fellow, American College of Cardiology
Certified Physician Executive, American Association of Physician Leaders
Member, American College of Health Care Executives

PUBLICATIONS

Contributing Author to Management of Ischemic Heart Disease. Washington, DC: VA/DoD Clinical Practice Guideline Working Group, Veterans Health Administration, Department of Veterans Affairs and Health Affairs, Department of Defense, October 2001. Update November 2003. Office of Quality and Performance publication 10Q-CPG/IHD-03
DoD/VA

Antonio AD, Palm-Leis A, Jackson B, Harrell TW, Kruyer WB. Screening echocardiograms in military pilot applicants: Spectrum of findings in 10,057 males and 930 females. Aerospace Medical Association 74th Annual Scientific Meeting, May 2003. Abstract published *Aviat Space Environ Med*. Apr 2003;74(4):421.

Rivera Y, Harrell TW, Antonio AD, Jackson B, Palm-Leis A, Kruyer WB. Mitral valve prolapse substrate in 10,987 consecutive screening echocardiograms: How long until they cross the line? Aerospace Medical Association 74th Annual Scientific Meeting, May 2003. Abstract published *Aviat Space Environ Med*. Apr 2003;74(4):422.

Harrell TW, Rivera Y, Antonio AD, Jackson B, Palm-Leis A, Kruyer WB. Mitral valve prolapse characteristics in 10,987 consecutive screening echocardiograms: Can we define high risk early? Aerospace Medical Association 74th Annual Scientific Meeting, May 2003. Abstract published *Aviat Space Environ Med*. Apr 2003;74(4):459.

Harrell TW, Hinkle JD, Kruyer WB. Show Me the Evidence II: Military Aviator Returned to Flying Duties After Myocardial Infarction with Normal Coronaries Syndrome, Aerospace Medical Association 75th Annual Scientific Meeting, May 2003. Abstract published *Aviat Space Environ Med*. Apr 2004;75(4)Supp:B52.

Barnett SL, Harrell TW, Lopez FM, Kruyer WB. Baseline Characteristics of Bicuspid Aortic Valve Diagnosed By Screening Echocardiography of Military Pilot Applicants, Aerospace Medical Association 75th Annual Scientific Meeting, May 2003. Abstract published *Aviat Space Environ Med*. Apr 2004;75(4)Supp:B53.

Harvis LH, Harrell TW. +Gz Induced Arrhythmias in Aircrew with Aortic Insufficiency: Just the Facts Please, Aerospace Medical Association 75th Annual Scientific Meeting, May 2003. Abstract published *Aviat Space Environ Med*. Apr 2004;75(4)Supp:B53.

Kruyer WB, Harrell TW. Screening Military Aviators for Cardiac Disorders: The US Air Force Experience, Aerospace Medical Association 75th Annual Scientific Meeting, May 2003. Abstract published *Aviat Space Environ Med*. Apr 2004;75(4)Supp:B75.

Kruyer WB, Harrell TW, Pickard JS, Barnett SL. Surgical and Catheter-Based Coronary Artery Revascularization: New Aeromedical Disposition Policy for USAF Aircrew, Aerospace Medical Association 75th Annual Scientific Meeting, May 2003. Abstract published *Aviat Space Environ Med*. Apr 2004;75(4)Supp:B92.

Zarr SP, Kruyer WB, Harrell TW. Atrial Fibrillation Treated by Radiofrequency Ablation: Does the Evidence Support Return to Flying? Aerospace Medical Association 76th Annual Scientific Meeting, May 2005. Abstract published *Aviat Space Environ Med*. Mar 2005;76(3):265.

STRADER JR, HARRELL TW, ADAIR A, KRUYER WB. Efficacy of Echocardiographic Screening of Pilot Applicants. Aviat Space Environ Med May 2008;79(5):514–7.