



Jeremy Michael Archer, M.D., M.S., F.A.A.P.

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Summary of Expertise

Award-winning, double board-certified Pediatric Cardiologist with rich clinical experience. Faculty and leadership positions at top-ten pediatric heart centers. Well-published writer, editor, and national public speaker with outstanding communication skills and over 25 years teaching experience. Pediatric cardiology editor for a leading clinical reference (Dynamed), and past reviewer for multiple scientific journals. Educated at Princeton University (*summa cum laude*) and the University of Florida (MD and Master's in Health Outcomes). Special expertise in preoperative and postoperative congenital heart disease care, fetal echocardiography, sports cardiology and sudden death, pulmonary hypertension, dysautonomia, POTS, and chest wall abnormalities. Consults as an expert witness for plaintiff's and defense counsel and independent organizations.

Experience

2023-present	Pediatric Cardiologist, Billings Clinic, Billings, MT
2023-present	Founder and Principal, J Archer Consulting, LLC
2014-present	Pediatric Cardiology Editor, EBSCO Dynamed
2020-2023	Clinical Assistant Professor, Pediatric Cardiology, University of Florida, Gainesville Medical Director, Congenital Heart Center Clinics (2021-2023)
2013-2020	Pediatric Cardiologist, Billings Clinic, Billings MT Director, Pediatric Echocardiography Laboratory (2013-2020) Co-Director, Pediatric Chest Wall Deformity Clinic (2018-2020) Medical Director, Pediatric Specialty Medicine (2015-2019) Director of Ultrasound, Fetal Echocardiography (2015-2017)
2016-2020	Assistant Clinical Professor, Pediatrics, University of Colorado
2010	General / Urgent Care Pediatrician, University Pediatrics, Burlington, VT
2009-2010	Pediatric and Newborn Hospitalist, Vermont Children's Hospital
2009-2010	Neonatal Transport Team Leader, Vermont Children's Hospital
2009-2010	Instructor in Pediatrics, University of Vermont
2006-2009	Clinical Instructor in Pediatrics, University of Vermont

Education and Training

2010-2013	Fellow, Pediatric Cardiology, University of Florida
2012-2013	Master of Science, Health Outcomes and Policy, University of Florida
2009-2010	Chief Resident, Pediatrics, University of Vermont
2006-2009	Resident, Pediatrics, University of Vermont
2005-2006	Resident, Pathology and Laboratory Medicine, University of Florida
2004-2005	Intern, Family Medicine, St. Mary's Family Medicine Residency, CO
2000-2004	Doctor of Medicine, University of Florida, <i>cum laude</i>
1993-1998	Bachelor of Arts, Princeton University, <i>summa cum laude</i> Major: Ecology and Evolutionary Biology Minor: Applications of Computing

Awards

2022-2024, 2018	Castle Connolly Top Doctors
2023	Marquis Who's Who
2018	Montana AAP Recognition for Subspecialty Advocacy
2009	Pediatric Resident Teaching Award, University of Vermont
2007, 2008, 2009	Finalist, Resident of the Year Award, University of Vermont
2004	Andersen Award - Academic Excellence & Service, University of Florida
2003	Alpha Omega Alpha Honor Society induction
2003	Gold Humanism Honor Society induction
2003	Univ. of Florida College of Medicine Award for Scholastic Achievement
2002 and 2003	Univ. of Florida Medical Guild Scholarship for Academic Excellence
2002	Shands Hospital Board of Directors Academic Scholarship
1998	Phi Beta Kappa Honor Society induction
1998	Sigma Xi Scientific Research Society induction
1998	Princeton University Department of Ecology and Evolutionary Biology Senior Thesis Book Award

Licensure and Certification

Board Certified in Pediatric Cardiology, No. 2685, American Board of Pediatrics (2014, active)
Board Certified in General Pediatrics, No. 93861, American Board of Pediatrics (2009, active)
Florida Medical Doctor License #ME109914 (active, exp. 1/31/2025)
Montana Medical Doctor License #MED-PHYS-LIC-21131 (active, exp. 3/31/2024)
United States DEA Registration (active, exp. 6/30/2024)
Pediatric Advanced Life Support Provider (active, exp. 10/2025)
Advanced Cardiac Life Support Provider (active, exp. 10/2025)

Professional Society Memberships

Fellow, American Academy of Pediatrics, 2009-present

Section on Cardiology and Cardiac Surgery, 2010-present

Montana Chapter, 2013-2019, 2023-present

Florida Chapter, 2020-2021

Chair, Montana Chapter Subspecialty Affairs Committee, 2018-2019

Montana Chapter Executive Committee Member-at-Large, 2015-2018

Alpha Omega Alpha Honor Society, inducted 2003

Gold Humanism Honor Society, inducted 2003

Sigma Xi, the Scientific Research Society, inducted 1998

Phi Beta Kappa Honor Society, inducted 1998

Areas of Professional Expertise:

Outpatient and Inpatient Pediatric Cardiology, Pre- and Postoperative Congenital Heart Disease Care, Transthoracic and Fetal Echocardiography, Fetal Cardiology, Pulmonary Hypertension, Sports Cardiology and Exercise Testing, Pediatric Sudden Death and Cardiac Arrest, Chest Wall Abnormalities, Clinical Database Research

Editorial, Service, and Committee Activity

2014-present	Specialty Editorial Board, EBSCO DynaMed
2022-present	Reviewer, <i>Cardiology in the Young</i>
2022-2023	Publications and Communications Committee, American Academy of Pediatrics Section on Cardiology and Cardiac Surgery
2020-2023	Reviewer, <i>Journal of the American Heart Association</i>
2013-2023	Reviewer, <i>Pediatrics</i>
2021-2023	Pediatric/Neonatal Pulmonary Hypertension Team, Department of Pediatrics University of Florida
2020-2023	Peer Review Committee, Department of Pediatrics, University of Florida
2019-2021	Covid Working Group, Department of Pediatrics, University of Florida
2019-2021	Advisory Board, Lumedx Corporation (pediatric and fetal echo software)
2013-2021	Reviewer, <i>Journal of Pediatrics</i>
2016-2019	Reviewer, <i>Ultrasound in Obstetrics and Gynecology</i>
2017-2020	Physician Mentoring Task Force, Billings Clinic, Billings MT
2016-2019	Peer Review Committee, Billings Clinic, Billings, MT
2016-2019	Billings Clinic and Children's Hospital Colorado Care Alliance Steering Committee
2013-2019	Pediatric Practice Advisory Committee (2013-2015) and Pediatric Operating Council (2015-2019), Billings Clinic, Billings, MT
2012-2013	Reviewer, <i>Quality of Life Research</i>

2011	Electronic Medical Record Physician Support Team, University of Florida
2007-2010	Pediatric Resident Education Committee, Vermont Children's Hospital
2007-2010	Inpatient Quality Improvement Committee, Vermont Children's Hospital
2007-2009	Electronic Medical Record Design Team, Fletcher Allen Healthcare, VT
2008	Graduate Medical Education Internal Reviewer, University of Vermont
2003-2004	Admissions Committee, University of Florida College of Medicine
2001-2004	Evaluation Subcommittee, University of Florida College of Medicine
2001-2002	Board of Directors, Equal Access Homeless Clinic, University of Florida
2001-2002	Dominican Republic Medical Mission Trip, University of Florida
2000-2004	Volunteer, Equal Access Homeless Clinic, University of Florida

Publications

Archer JM, Z Fedorowicz, S Valentine, eds. "Persistent Pulmonary Hypertension of the Newborn" *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/persistent-pulmonary-hypertension-of-the-newborn-pphn> [Login required] Original publication 2015; last updated online 2023.

Archer JM, A Quaseem, S Valentine, eds. "DynaMed. Patent Ductus Arteriosus (PDA)" EBSCO Information Services. Accessed August 8, 2023. <https://www.dynamed.com/condition/patent-ductus-arteriosus-pda> [Login required] Last updated online 2023.

Mueller DK, **JM Archer**, P Oettgen, S Valentine, eds. "Perioperative Considerations in Patients Having Cardiac Surgery. EBSCO Information Services." <https://www.dynamed.com/management/perioperative-considerations-in-patients-having-cardiac-surgery> [Login required] Last updated online 2023.

Archer JM, Z Fedorowicz, A Ehrlich, eds. "Tetralogy of Fallot in Infants and Children" *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/tetralogy-of-fallot-in-infants-and-children> [Login required] Original publication 2014; last updated online 2023.

Archer JM, A Shaugnessy, SA Barron, eds. "Patent Foramen Ovale (PFO)" *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/patent-foramen-ovale-pfo> [Login required] Original publication 2017; last updated online 2023.

Archer JM, EJ van Zuuren, S Valentine, eds. "Palpitations in Children - Approach to the Patient". *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/approach-to/palpitations-in-children-approach-to-the-patient> [Login required], 2022.

Archer JM, CS Nixon, JP Jacobs "Lessons learned from Linking Two Complementary Databases: The Society of Thoracic Surgeons Congenital Heart Surgery Database and the

Vermont Oxford Network Expanded Database” *Cardiology in the Young*, 2022 Jul 27;1-7. doi: 10.1017/S1047951122002360. [Online ahead of print] PubMed PMID: 35892172.

Archer JM, CE Mascio, JP Jacobs “Valuable Lessons about Partial Anomalous Pulmonary Venous Connection with Intact Atrial Septum” (invited commentary). *Annals of Thoracic Surgery*, 2022 Jun 1: S0003-4975(22)00797-4. doi: 10.1016/j.athoracsur.2022.05.024. [Online ahead of print] PubMed PMID: 35661719.

Archer JM, Z Fedorowicz, S Valentine, eds. “Syncope in Children - Approach to the Patient” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/approach-to/syncope-in-children-approach-to-the-patient> [Login required]. 2022.

Archer JM, Z Fedorowicz, SA Barron, eds. “Pulmonary Hypertension in Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/pulmonary-hypertension-in-children> [Login Required]. 2021.

Archer JM, Z Fedorowicz, SA Barron, eds. “Heterotaxy Syndrome” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/heterotaxy-syndrome> [Login required]. 2021.

Archer JM, EJ van Zuuren, SA Barron, eds. “Aortic Valve Disease in Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/aortic-valve-disease-in-children> [Login required]. 2021.

Archer JM, EJ van Zuuren, SA Barron, eds. “Acute Heart Failure in Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/acute-heart-failure-in-children> [Login required]. 2021. [Login required], 2021.

Archer JM, S Valentine, eds. “Tachycardias in Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/tachycardias-in-children> [Login required]. 2021.

Archer JM, EJ van Zuuren, SA Barron, eds. “Hypertrophic Cardiomyopathy in Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/hypertrophic-cardiomyopathy-in-children> [Login required]. 2020. [Login required], 2020.

Archer JM, Z Fedorowicz, SA Barron, eds. “Myocarditis in Infants and Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/myocarditis-in-infants-and-children> [Login required] 2020. [Login required], 2020.

Archer JM, SA Barron, eds. “Management of Hypertension in Children and Adolescents” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/management/management-of-hypertension-in-children-and-adolescents> [Login required] 2019.

- Archer JM**, EJ van Zuuren, SA Barron, eds. “Supraventricular Tachycardia (SVT) in Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/supraventricular-tachycardia-svt-in-children> [Login required] 2019. [Login required], 2019.
- Archer JM**, EJ van Zuuren, SA Barron, eds. “Atrioventricular (AV) Canal Defect” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/atrioventricular-av-canal-defect> [Login required] 2018.
- Archer JM**, EJ van Zuuren, SA Barron, eds. “Pulmonic Stenosis in Infants and Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/pulmonic-stenosis-in-infants-and-children-18> [Login required] 2018.
- Archer JM**, Z Fedorowicz, SA Barron, eds. “Chest Pain in Children - Approach to the Patient” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/approach-to/chest-pain-in-children-approach-to-the-patient> [Login required], 2018.
- Archer JM**, EJ van Zuuren, SA Barron, eds. “Vascular Rings and Slings” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/vascular-rings-and-slings> [Login required] Original publication 2017; last updated online 2018.
- Thatayatikom A, JM **Archer**, SA Barron, eds. “Management of Kawasaki Disease” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/management/management-of-kawasaki-disease> [Login required] Original publication 2017; last updated online 2018.
- Archer JM**, A Ehrlich, eds. “NHLBI Integrated Guidelines for Pediatric Cardiovascular Risk Reduction” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/nhlbi-integrated-guidelines-for-pediatric-cardiovascular-risk-reduction-22> [Login required] Original publication 2016; last updated online 2018.
- Archer JM**, EJ van Zuuren, A Ehrlich, eds. “Eisenmenger Syndrome” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/eisenmenger-syndrome> [Login required] Original publication 2016; last updated online 2018.
- Fisher JG, S Bairdain, EA Sparks, FA Khan, **JM Archer**, M Kenny, EM Edwards, RF Soll, BP Modi, SB Yeager, JB Horbar, T Jaksic “Serious Congenital Heart Disease and Necrotizing Enterocolitis in Very Low Birth Weight Neonates” *Journal of the American College of Surgeons*; 2015 Jun;220(6):1018-1026.
- Archer JM**, EJ van Zuuren, A Ehrlich, eds. “Tricuspid Atresia”. *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/tricuspid-atresia> [Login required] Original publication 2015; last updated online 2018.

- Archer JM**, EJ van Zuuren, A Ehrlich, eds. “Truncus Arteriosus” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/truncus-arteriosus> [Login required] Original publication 2015; last updated online 2018.
- Archer JM**, EJ van Zuuren, A Ehrlich, eds. “Holt-Oram Syndrome” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/holt-oram-syndrome> [Login required] Original publication 2015; last updated online 2018.
- Archer JM**, EJ van Zuuren, SA Barron, eds. “Atrial Septal Defects” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/atrial-septal-defects> [Login required] Original publication 2014; last updated online 2018.
- Archer JM**, A Quaseem, A Ehrlich, eds. “Coarctation of Aorta”. *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/coarctation-of-aorta> [Login required] Original publication 2014; last updated online 2018.
- Archer JM**, Z Fedorowicz, SA Barron, eds. “Ventricular Septal Defect” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/ventricular-septal-defect> [Login required] Original publication 2014; last updated online 2018.
- Archer JM**, Z Fedorowicz, A Ehrlich, eds. “Ebstein Anomaly of the Tricuspid Valve” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/ebstein-anomaly-of-the-tricuspid-valve> [Login required] Original publication 2014; last updated online 2018.
- Archer JM**, EJ van Zuuren, A Ehrlich, eds. “Hypoplastic Left Heart Syndrome” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/hypoplastic-left-heart-syndrome> [Login required] Original publication 2014; last updated online 2018.
- Archer JM**, Z Fedorowicz, A Ehrlich, eds. “Transposition of the Great Vessels” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/transposition-of-the-great-vessels> [Login required] Original publication 2014; last updated online 2018.
- Archer JM**, A Shaugnessy, A Ehrlich, eds. “Evaluation of the Infant for Congenital Heart Disease (CHD)” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/evaluation/evaluation-of-the-infant-for-congenital-heart-disease-chd> [Login required] Original publication 2014; last updated online 2018.
- Archer JM**, EJ van Zuuren, SA Barron, eds. “Hypertension in Children and Adolescents” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services. <https://www.dynamed.com/condition/hypertension-in-children-and-adolescents> [Login required] Original publication 2014; last updated online 2018.
- Archer JM**, A Quaseem, A Ehrlich, eds. “Heart Murmur in Children” *DynaMed [Internet]*. Ipswich (MA): EBSCO Information Services.

<https://www.dynamed.com/condition/heart-murmur-in-children> [Login required] Original publication 2014; last updated online 2018.

Archer JM, SB Yeager, MJ Kenny, RF Soll, JD Horbar “Distribution and Mortality of Serious Congenital Heart Disease in Very Low Birth Weight Infants” *Pediatrics* 2011 Feb; 127 (2): 293-299.

National/Regional Presentations

Archer JM “Sports and Return to Play after COVID-19 and MIS-C” Pediatric Grand Rounds, Orlando Health Arnold Palmer Hospital, December 2021.

Archer JM “Cardiac Complications, Sports and Return to Play After COVID-19” Regional Continuing Education, University of Florida Congenital Heart Center, Gainesville, FL, delivered as lecture in February, April, May 2021; and as podcast in March 2021 (<https://radiomd.com/ufhealth/item/44389-cardiac-complications-sports-and-return-to-play-after-covid-19>).

Cuneo, B, **JM Archer** “Frontiers in Fetal Cardiology” Children’s Hospital Colorado Physician Relations Regional Lecture Series, Billings, MT, July 2019.

McIntosh A, **JM Archer**, K Villavicencio , L Howley, B Cuneo, C Haxel “Echocardiographic Diagnosis of Generalized Arterial Calcinosi of Infancy (GACI)” Poster Presentation, American Society of Echocardiography, Portland, OR, June 2019.

Layton E, C Goulet C, **JM Archer** “Enhancing Quality Through Peer Review: Why it Matters and How You Can Participate” Grand Rounds, Billings Clinic and Eastern Montana Telemedicine Network, Billings, MT, 2018.

Archer JM “How’s Your Rhythm? Recognizing Common Pediatric Arrhythmias” Grand Rounds, Billings Clinic and Eastern Montana Telemedicine Network, Billings, MT, 2016.

Archer JM “Congenital Heart Disease for the Rural Health Care Provider” 2015 Cardiology Telemedicine Conference, Billings, MT, 2015.

Archer JM “Screening for Congenital Heart Disease” Montana March of Dimes Prematurity Summit, Billings, MT, 2014.

Archer JM “Newborn Screening for Critical Congenital Heart Disease: Where Are We Now?” Montana Academy of Pediatrics Chapter Meeting, Pray, MT, 2014 .

Archer JM “Cardiovascular Issues and the Sports Physical: Murmurs, EKGs, and Preventing Tragedy” Grand Rounds, Billings Clinic and Eastern Montana Telemedicine Network, Billings, MT, 2014.

Archer JM “Cardiovascular Issues and the Sports Physical” and “Hypertension and Lipid Disorders in Children and Adolescents” Big Sky Medicine Conference, Big Sky, MT, 2014.

Archer JM “Newborn Screening for Critical Congenital Heart Disease” Grand Rounds, Billings Clinic and Eastern Montana Telemedicine Network, Billings, MT, 2013.

Archer JM “Potential Cost Benefit From Early Detection of Critical Congenital Heart Disease” Master’s Thesis. Department of Health Outcomes and Policy, University of Florida, 2013.

Archer JM, SB Yeager, MJ Kenny, RF Soll, JD Horbar “Serious Congenital Heart Disease in Very Low Birth Weight Infants in the Vermont Oxford Network” Poster Presentation in Neonatal Epidemiology section, Pediatric Academic Societies, Vancouver, BC May 4, 2010.

Archer JM, SB Yeager, MJ Kenny, RF Soll, JD Horbar “Distribution and Mortality of Life-Threatening Congenital Heart Disease in Very Low Birth Weight Infants” Oral Presentation at Academy of Pediatrics Section on Cardiology and Cardiac Surgery Young Investigator Presentations, Washington, D.C., October 16, 2009. Abstract appears in *Congenital Heart Disease* 2009;4:398-420.

Teaching Experience

2021-2023	Course Faculty, Collaborative Learning Group, University of Florida College of Medicine – Weekly small group following a group of medical students longitudinally
2020-2023	Clinical Teaching of Medical Students, Residents, and Fellows, University of Florida College of Medicine
2013-2020	Clinical Teaching of rotating students, Billings Clinic, Billings, MT: MD Students, Rosalind Franklin University DO Students, Pacific Northwest University of Health Sciences. PA Students, Rocky Mountain College
2012	Instructor, Clinical Diagnosis, University of Florida College of Medicine
2010-2013	Resident as Teacher Program, University of Florida College of Medicine
2009-2010	Chief Resident, Pediatrics, University of Vermont – mentored 18 pediatric residents, gave weekly lectures, coordinated educational programming
2009-2011	Neonatal Resuscitation Program Instructor
2008-2015	Pediatric Advanced Life Support Instructor
2008	Block Rotation in Medical Student and Resident Teaching, University of Vermont Pediatric Residency Program
2005-2006	Small Group Leader, Essentials of Patient Care, University of Florida College of Medicine
2001-2004	Medical Student Tutor, University of Florida College of Medicine
1999-2000	Middle School Technology Educator, Waynflete School, Portland, ME
1999	High School Biology Teacher, Lawrenceville School, Lawrenceville, NJ
1997-1998	Medical College Admission Test Prep Instructor, Princeton Review, ME