Accommodation and Compliance Series

Accommodation and Compliance Series: Employees with Heart Conditions

Job Accommodation Network
PO Box 6080
Morgantown, WV 26506-6080
(800)526-7234 (V)
(877)781-9403 (TTY)
jan@askjan.org
AskJAN.org

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Preface

The Job Accommodation Network (JAN) is funded by a grant from the Office of Disability Employment Policy, U.S. Department of Labor. JAN makes documents available with the understanding that the information be used solely for educational purposes. The information is not intended to be legal or medical advice. If legal or medical advice is needed, appropriate legal or medical services should be contacted.

JAN does not endorse or recommend any products or services mentioned in this publication. Although every effort is made to update resources, JAN encourages contacting product manufacturers/vendors and service providers directly to ensure that they meet the intended purposes. This guarantees that the most up-to-date information is obtained.

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Introduction

JAN’s Accommodation and Compliance Series is designed to help employers determine effective accommodations and comply with Title I of the Americans with Disabilities Act (ADA). Each publication in the series addresses a specific medical condition and provides information about the condition, ADA information, accommodation ideas, and resources for additional information.

The Accommodation and Compliance Series is a starting point in the accommodation process and may not address every situation. Accommodations should be made on a case by case basis, considering each employee’s individual limitations and accommodation needs. Employers are encouraged to contact JAN to discuss specific situations in more detail.

For information on assistive technology and other accommodation ideas, visit JAN’s Searchable Online Accommodation Resource (SOAR) at https://AskJAN.org/soar.

Information about Heart Condition

The term “heart condition” includes conditions such as high blood pressure, coronary heart disease, congestive heart failure, and congenital cardiovascular impairments. Each type of heart condition has its own symptoms, which may include angina (chest pain sometimes radiating down the left arm or into the jaw); sensations of fluttering, thumping, pounding, or racing of the heart (palpitations); edema (swelling and fluid retention in the legs, ankles, abdomen, lungs, or heart); lightheadedness, weakness, dizziness, or fainting spells; breathlessness; chronic fatigue; and gastric upset (or nausea).

Heart Condition and the Americans with Disabilities Act

The ADA does not contain a definitive list of medical conditions that constitute disabilities. Instead, the ADA defines a person with a disability as someone who (1) has a physical or mental impairment that substantially limits one or more “major life activities,” (2) has a record of such an impairment, or (3) is regarded as having such an impairment. For more information about how to determine whether a person has a disability under the ADA, see How to Determine Whether a Person Has a Disability under the Americans with Disabilities Act Amendments Act (ADAAA).
Accommodating Employees with Heart Condition

People with heart conditions may develop some of the limitations discussed below, but seldom develop all of them. Also, the degree of limitation will vary among individuals. Be aware that not all people with heart conditions will need accommodations to perform their jobs and many others may only need a few accommodations. The following is only a sample of the possibilities available. Numerous other accommodation solutions may exist.

Questions to Consider:

1. What limitations is the employee experiencing?
2. How do these limitations affect the employee and the employee’s job performance?
3. What specific job tasks are problematic as a result of these limitations?
4. What accommodations are available to reduce or eliminate these problems? Are all possible resources being used to determine possible accommodations?
5. Once accommodations are in place, would it be useful to meet with the employee to evaluate the effectiveness of the accommodations and to determine whether additional accommodations are needed?
6. Do supervisory personnel and employees need training?

Accommodation Ideas:

Limitations
Balancing
- Living Independently
  - Bath Chairs
  - Canes
  - Crutches
  - Grab Bars
  - Personal Safety and Fall Alert Devices
  - Rollators and Rolling Walkers
  - Scooters
  - Stair Assists
  - Stair Lifts
- Swing Away Grab Bars
- Toileting Aids
- Walkers with Seats
- Walkers

- Moving Around
  - All-Terrain Scooters
  - All-Terrain Wheelchairs
  - Canes
  - Crutches
  - Personal Transportation and Mobility Products
  - Rollators and Rolling Walkers
  - Scooters
  - Stair Lifts
  - Walkers with Seats
  - Walkers

- Working at Heights
  - Aerial Lifts
  - Fall Protection
  - Rolling Safety Ladders

- Working Safely
  - Anti-fatigue Matting
  - Evacuation Devices
  - Fall Protection
  - Padded Edging
  - Protective Eyewear

Decreased Stamina/Fatigue
- Accessories for Scooters
- Aide/Assistant/Attendant
- All-Terrain Scooters
- Anti-fatigue Matting
- Elevating Wheelchairs
- Ergonomic and Pneumatic Tools
- Ergonomic Assessments
- Ergonomic Equipment
- Examination and Procedures Chair
- Flexible Schedule
- Head Support for Wheelchairs
- Job Restructuring
- Low Task Chair
- Mechanic's Seats and Creepers
- Multi-Purpose Carts
- Periodic Rest Breaks
- Scooters
- Stand-lean Stools
- Stools for Cutting Hair
- Telework, Work from Home, Working Remotely
- Walkers
- Wearable Anti-fatigue Matting
- Wheelchair Accessible Scales
- Wheelchair Mounts
- Wheelchairs
- Worksite Redesign / Modified Workspace

Dizziness

- Alerting Devices
- Alternative Lighting
- Fall Protection
- Flexible Schedule
- Modified Break Schedule
- Padded Edging
- Personal Safety and Fall Alert Devices
- Protective Eyewear
- Rollators and Rolling Walkers
• Scooters
• Telework, Work from Home, Working Remotely
• Vehicle Rear Vision System

Lifting
• Agriculture/Farm
  • Animal Lift Tables
  • Carts
  • Compact Material Handling
• Industrial
  • Aerial Lifts
  • Ball Transfer Tables
  • Battery Powered Lift Tables
  • Drum Handling
  • Engine Lifts and Lift Plates
  • Lift Gates
  • Lift Tables
  • Rolling Safety Ladders
  • Stairclimbing Handtrucks
  • Truck Mounted Cranes
  • Vacuum Lifts
  • Winches and Chain Hoists
  • Work Platforms
• Office or Retail Goods
  • Carts
  • Compact Material Handling
  • Ergonomic Assessments
  • Ergonomic Equipment
  • Height Adjustable Table Legs
  • Low Task Chair
  • Stairclimbing Handtrucks
• Other
- Drywall and Wallboard Lifts
- Ergonomic Equipment
- Independent Living Aids
- Job Restructuring
- Lifters and Carriers for Mobility Aids
- Lifting Aids
- Manhole Cover Lifts
- Periodic Rest Breaks
- Power Lift IV Stands
- Proper Lifting Techniques

- People
- Accessible Baby Changing Stations
- Adult Changing Tables
- Adjustable Exam Tables
- Bath Chairs
- Evacuation Devices
- Large-Rated Wheelchair Lifts
- Patient Lifts (General)
- Pool Lifts
- Powered Bath Lifts
- Toileting Aids
- Transfer Aids
- Transfer Sheets
- Walk-up Changing Tables
- Wheelchair Lifts

Respiratory Distress/Breathing Problem
- Air Cleaners & Purifiers
- Air Cleaners - Chemical/Odor Removal
- Air Cleaning Systems
- Air Purifiers for Multiple Chemical Sensitivity
- Alternative Cleaning Supplies
• Augmentative and Alternative Communication (AAC) Device
• Carpet Alternatives, Sealants, and Sustainable Flooring
• Escape Hoods
• Flexible Schedule
• Floor Cleaning/Stripping Products - Chemical Sensitivity
• Low/No Odor Paints and Stains
• Mask Brackets and Frames
• Masks - Respirator
• Masks – General/Chemical/Allergen
• Odor Control
• Outgoing Voice Amplification - Telephone
• Personal Air Cleaner (Neckworn)
• Personal On-Site Paging Devices
• Powered Air Purifying Respirator (PAPR)
• Telework, Work from Home, Working Remotely
• Voice Amplification

**Take Medication**

• Additional Training Time / Training Refreshers
• Flexible Schedule
• Medication Reminders
• Policy Modification
• Reminders
• Rest Area/Private Space
• Telework, Work from Home, Working Remotely
• Verbal Cues
• Voice Recorders

**Temperature Sensitivity**

• Air Deflectors
• Cold Resistant Gloves
• Cooling Clothing
• Fans
• Flexible Schedule
• Heated Clothing
• Heated Ergonomic and Computer Products
• Heated Gloves
• Portable Air Conditioners
• Telework, Work from Home, Working Remotely
• Vent Covers
• Workstation Space Heaters

Walking
• Accessories for Scooters
• Aide/Assistant/Attendant
• All-Terrain Scooters
• All-Terrain Wheelchairs
• Anti-fatigue Matting
• Boat Access
• Ergonomic and Pneumatic Tools
• Examination and Procedures Chair
• Foldable / Transport Wheelchairs
• Head Support for Wheelchairs
• Large-Rated Scooters
• Large-Rated Wheelchairs
• Low Task Chair
• Personal Transportation and Mobility Products
• Reclining Wheelchairs
• Rollators and Rolling Walkers
• Scooters
• Scooters for Small Stature
• Stair Assists
• Stools for Cutting Hair
• Telework, Work from Home, Working Remotely
• Van Conversion
• Walkers
• Walkers for Tall Individuals
• Walkers with Seats
• Wearable Anti-fatigue Matting
• Wheelchair Accessible Scales
• Wheelchair Carts/Trailers
• Wheelchair Mounts
• Wheelchairs
• Wheelchairs for Small Stature
• Worksite Redesign / Modified Workspace

Work-Related Functions

Move Items/People
• Adjustable Exam Tables
• Aerial Lifts
• Animal Lift Tables
• Ball Transfer Tables
• Battery Powered Lift Tables
• Cake Decorating and Baking Equipment
• Carts
• Compact Material Handling
• Compact Mobile Cranes
• Engine Lifts and Lift Plates
• Ergonomic and Pneumatic Tools
• Grab Bars - Toilet Hinged Arm Support
• Hair Scissors
• Large-Rated Small Step Ladders
• Lifting Aids
• Light Switch Extension Handles
• Manhole Cover Lifts
• Multi-Purpose Carts
• Pickups, Semis, and Heavy Equipment
• Pipettes
• Pool Lifts
• Proper Lifting Techniques
• Rolling Safety Ladders
• Spring-Loaded Carts
• Stainless Steel Carts and Worktables
• Swing Away Grab Bars
• Tire Handling
• Transfer Aids
• Transfer Sheets
• Trashcans
• Vacuum Lifts
• Vacuum Pickup Tools
• Walk-up Changing Tables

Parking
• Accessible Parking Space
• Flexible Schedule
• Telework, Work from Home, Working Remotely
• Wheelchairs

Stress
• Apps for Anxiety and Stress
• Behavior Modification Techniques
• Counseling/Therapy
• Environmental Sound Machines / Tinnitus Maskers / White Noise Machines
• Flexible Schedule
• Job Coaches
• Job Restructuring
• Marginal Functions
• Modified Break Schedule
• Monitor Mirrors
• Odor Control
• On-site Mentoring
• Service Animal
• Simulated Skylights and Windows
• Strobe Lights
• Supervisory Methods
• Support Animal
• Support Person
• Telework, Work from Home, Working Remotely
• Uninterrupted Work Time

Temperature
• Air Deflectors
• Cold Resistant Gloves
• Cooling Clothing
• Fans
• Flexible Schedule
• Foot Warmers
• Heat Resistant Gloves
• Heated Clothing
• Heated Ergonomic and Computer Products
• Heated Gloves
• Modified Break Schedule
• Telework, Work from Home, Working Remotely
• Vent Covers
• Workstation Space Heaters
Situations and Solutions:

The following situations and solutions are real-life examples of accommodations that were made by JAN customers. Because accommodations are made on a case-by-case basis, these examples may not be effective for every workplace but give you an idea about the types of accommodations that are possible.

A locomotive operator with myocardial infarction experienced reduction in stamina exacerbated by working midnight shifts.
The employer required that he work only day and afternoon shifts to accommodate his restrictions.

A maintenance technician with a heart condition was restricted from working in extreme temperatures.
He was accommodated with a modified schedule not requiring him to work outside in these conditions.

A federal contract employee working temporarily at a federal agency’s facility had difficulty walking long distances due to a heart condition.
He notified his employer, who then contacted the federal agency to request a reserved parking space for the employee close to the building. The federal agency had the parking manager designate a parking space next to the entrance used by the employee.

A customer service rep with Marfan syndrome which resulted in heart issues.
The employee needed to attend periodic medical appointments, but the appointments were scheduled during their shift at work. The employee requested leave and a flexible schedule as reasonable accommodations, which the employer approved on a temporary basis.

An assembly line worker with congestive heart failure and chronic obstructive pulmonary disease was restricted to sedentary work and no lifting in excess of 15 pounds.
The assembly line job, which could not be modified, required both standing and lifting over 15 pounds. The individual was accommodated with a transfer to a sedentary job.

An individual, who delivered mail in a high-rise office building had high blood pressure and was limited to no lifting and pushing over 25 pounds.
The employer provided the individual with a power cart and compact lifting devices to assist with moving materials.

A supervisor with heart disease was limited in the level of physical activity he could exert.
The individual was relieved of marginal functions involving manual labor.

A receiving clerk with a congenital heart defect was limited in her ability to perform strenuous activity.
She was accommodated by having merchandise placed in smaller boxes and being provided a height adjustable material lift to help retrieve elevated boxes. The employer
also gave her a reserved parking space closer to the building and allowed another employee to fill out her time card, minimizing walking and stair climbing.

**Products**

There are numerous products that can be used to accommodate people with limitations. JAN's Searchable Online Accommodation Resource at [https://AskJAN.org/soar](https://AskJAN.org/soar) is designed to let users explore various accommodation options. Many product vendor lists are accessible through this system; however, JAN provides these lists and many more that are not available on the Web site upon request. Contact JAN directly if you have specific accommodation situations, are looking for products, need vendor information, or are seeking a referral.
Resources

Job Accommodation Network
West Virginia University
PO Box 6080
Morgantown, WV 26506-6080
Toll Free: (800) 526-7234
TTY: (304) 293-7186
Fax: (304) 293-5407
jan@askjan.org
https://askjan.org

The Job Accommodation Network (JAN) is a free consulting service that provides information about job accommodations, the Americans with Disabilities Act (ADA), and the employability of people with disabilities.

Office of Disability Employment Policy
200 Constitution Avenue,
NW, Room S-1303
Washington, DC 20210
Toll Free: (866) 633-7365
odep@dol.gov
https://www.dol.gov/agencies/odep

The Office of Disability Employment Policy (ODEP) is an agency within the U.S. Department of Labor. ODEP provides national leadership to increase employment opportunities for adults and youth with disabilities while striving to eliminate barriers to employment.
Adult Congenital Heart Association
3300 Henry Ave,
Suite 112
Philadelphia, PA 19129
Toll Free: (888) 921-2242
Direct: (215) 849-1260
Fax: (215) 849-1261
info@achaheart.org
http://www.achaheart.org/

The mission of the Adult Congenital Heart Association (ACHA) is to improve and extend the lives of millions born with heart defects through education, advocacy, and the promotion of research.

American Diabetes Association
1701 North Beauregard Street
Alexandria, VA 22311
Toll Free: (800) 342-2383
AskADA@diabetes.org
http://www.diabetes.org/

The American Diabetes Association is the nation's leading nonprofit health organization providing diabetes research, information and advocacy.

American Heart Association
7272 Greenville Avenue
Dallas, TX 75231
Toll Free: (800) 242-8721
Review.personal.info@heart.org
http://www.heart.org/HEARTORG/

The American Heart Association is dedicated to providing education and information on fighting heart disease and stroke. Our mission is to build healthier lives, free of cardiovascular diseases and stroke. That single purpose drives all we do.
The American Pregnancy Association is a national health organization committed to promoting reproductive and pregnancy wellness through education, support, advocacy, and community awareness.

The American Stroke Association mission is to build healthier lives, free of cardiovascular disease and stroke.

The Centers for Disease Control and Prevention are dedicated to protecting the health and safety of people - at home and abroad, providing credible information to enhance health decisions, and promoting health through strong partnerships.
Fetal Health Foundation
9766 South Holland St.
Littleton, CO 80127
Toll Free: (877) 789-4673
info@fetalhealthfoundation.org
http://www.fetalhealthfoundation.org/

Fetal Health Foundation supports families receiving a fetal syndrome diagnosis, funds life-saving research, increases fetal syndrome awareness, and shares leading medical information on fetal syndromes.

Genetic Alliance
4301 Connecticut Avenue NW
Suite 404
Washington, DC 20008-2369
Direct: (202) 966-5557
Fax: (202) 966-8553
info@geneticalliance.org
http://www.geneticalliance.org/

Genetic Alliance is one of the world’s leading nonprofit health advocacy organizations. We engage individuals, families, and communities to transform health. Trying to find information and interventions for disease, searching for health information, and/or trying to find ways to participate in research is difficult. We create ways to make it easier to find or build solutions in health services and research.

Heart and Stroke Foundation of Canada
K1P 5V9
Ottawa
Direct: (613) 569-4361
Fax: (613) 569-3278
http://www.heartandstroke.com/site/c.ikIQLcMWJtE/b.2796497/k.BF8B/Home.htm

The mission of the Heart and Stroke Foundation of Canada is to further the study, prevention, and reduction of disability and death from heart disease and stroke through research, education, and the promotion of healthy lifestyles.
Heart Information Service
2300 Wilson Blvd
Suite 600
Arlington, VA 22201
TTY: (703) 302-1040
Fax: (703) 248-0830
http://www.healthcentral.com/heart-disease/

HeartInfo is an independent, educational service that provides a wide range of information and services to heart patients and others interested in learning about lowering risk factors.

InterAmerican Heart Foundation
7272 Greenville Ave
Dallas, TX 75231-4596
iahf@interamericanheart.org
http://www.interamericanheart.org/

The InterAmerican Heart Foundation is dedicated to reducing disability and death from cardiovascular diseases and stroke in the Americas.

March of Dimes Foundation
1275 Mamaroneck Avenue
White Plains, NY 10605
http://www.marchofdimes.org/

The mission of the March of Dimes is to improve the health of babies by preventing birth defects, premature birth and infant mortality.

Mayo Clinic
13400 E. Shea Blvd.
Scottsdale, AZ 85259
Direct: (480) 301-8000
http://www.mayoclinic.org/
The Mayo Clinic's mission to inspire hope and contribute to health and well-being by providing the best care to every patient through integrated clinical practice, education and research.

MedlinePlus
8600 Rockville Pike
Bethesda, MD 20894
custserv@nlm.nih.gov
https://medlineplus.gov

MedlinePlus is the National Institutes of Health's Web site for patients and their families and friends. Produced by the National Library of Medicine, the world's largest medical library, it brings you information about diseases, conditions, and wellness issues in language you can understand. MedlinePlus offers reliable, up-to-date health information, anytime, anywhere, for free.

National Center for Biotechnology Information
8600 Rockville Pike
Bethesda, MD 20894
pubmedcentral@ncbi.nlm.nih.gov

The National Center for Biotechnology Information advances science and health by providing access to biomedical and genomic information.

National Coalition for Women with Heart Disease
1100 17th Street, NW
Suite 500
Washington, DC 20036
Direct: (202) 728-7199
Fax: (202) 728-7238
mail@womenheart.org
http://www.womenheart.org/

WomenHeart's mission is to improve the health and quality of life of women living with or at risk of heart disease, and to advocate for their benefit.
The National Fibromyalgia & Chronic Pain Association (NFMCPA) is a 501(c)3 not for profit organization. We support people with chronic pain illnesses and their families and friends by contributing to caring, professional, and community relationships. Through continuing education, networking with support groups and advocates, and affiliation with professional organizations, the members of the NFMCPA have a place to be informed, get involved, and recognize achievements.

The National Heart, Lung, and Blood Institute (NHLBI) provides leadership for a national program in diseases of the heart, blood vessels, lung, and blood.

The National Institute on Aging
31 Center Drive
MSC 2292
Bethesda, MD 20892
Toll Free: (800) 222-2225
niaic@nia.nih.gov
https://www.nia.nih.gov/
At NIA, our mission is to discover what may contribute to a healthy old age as well as to understand and address the disease and disability sometimes associated with growing older. In pursuit of these goals, our research program covers a broad range of areas, from the study of basic cellular changes that occur with age to the examination of the biomedical, social, and behavioral aspects of age-related conditions, including Alzheimer’s disease.

**National Jewish Health**

1400 Jackson Street  
Denver, CO 80206  
Toll Free: (877) 225-5654  
Direct: (303) 388-4461  
[http://www.nationaljewish.org/](http://www.nationaljewish.org/)

National Jewish Health is known worldwide for treatment of patients with respiratory, cardiac, immune and related disorders, and for groundbreaking medical research. Founded in 1899 as a nonprofit hospital, National Jewish Health remains the only facility in the world dedicated exclusively to these disorders. *U.S. News & World Report* has ranked National Jewish Health as the number one or number two hospital in pulmonology on its Best Hospitals list ever since pulmonology was included in the rankings.

**National Organization for Rare Disorders**

55 Kenosia Avenue  
Danbury, CT 06813-1968  
Toll Free: (800) 999-6673  
Direct: (203) 744-0100  
Fax: (203) 263-9938  
[http://www.rarediseases.org](http://www.rarediseases.org)

NORD is a unique federation of voluntary health organizations dedicated to helping people with rare "orphan" diseases and assisting the organizations that serve them. NORD is committed to the identification, treatment, and cure of rare disorders through programs of education, advocacy, research, and service.
The Office on Women's Health (OWH), part of the U.S. Department of Health and Human Services (HHS), works to improve the health and sense of well-being of all U.S. women and girls. OWH serves as the focal point for women's health activities across HHS offices and agencies and leads HHS efforts to ensure that all women and girls achieve the best possible health.

The Pediatric Congenital Heart Association's mission is to “Conquer Congenital Heart Disease.” We are founded on the key purpose to be the resounding voice of the pediatric patient population. PCHA works passionately through collaboration in advocacy, education and research to reduce the impact of congenital heart disease while striving to realize a world free from it.

The Pulmonary Hypertension Association works to improve the quality of life of people affected by pulmonary arterial hypertension (PAH) through research, education, and support.
The mission of the Pulmonary Hypertension Association (PHA) is to extend and improve the lives of those affected by PH. Our vision is a world without PH, empowered by hope.

**Remedy's Health Communities**
http://www.healthcommunities.com

Remedy Health Media is America’s fastest growing health information and technology company. We are a leading provider of clinical resources and wellness tools that help millions of patients and caregivers live healthier, more fulfilled lives.

Our mission is to empower patients and caregivers with the information and applications needed to efficiently navigate the healthcare landscape and as a result, to permit better health outcomes through use of our products and services.

**RHD International**
1150 17th Street NW
Suite 700
Washington, DC 20036
Direct: (202) 331-0130
http://www.rhdinternational.org

RHD International joins the fight against acute rheumatic fever and rheumatic heart disease by bringing together patients, caregivers, healthcare professionals, civil society and the public with the shared goal of eradicating ARF and RHD. As this disease impacts children and young adults in their most productive years, RHD International promotes education, prevention and treatment initiatives globally, focusing on developing countries and underprivileged segments of developed countries.
The Heart Foundation
31822 Village Center Road
Suite 208
Westlake Village, CA 91361
Direct: (818) 865-1100
Fax: (818) 530-7743
info@theheartfoundation.org
http://www.theheartfoundation.org/

The Heart Foundation’s mission is to save lives by educating the public about heart disease, promoting early detection, and supporting research.

World Health Organization
525 Twenty-third Street
N.W.
Washington, DC 20037
Direct: (202) 974-3000
Fax: (202) 974-3663
http://www.who.int/en/

We are the directing and coordinating authority on international health within the United Nations’ system.

World Heart Federation
32, rue de Malatrex
1201 Geneva
info@worldheart.org
http://www.world-heart-federation.org/

World Heart Federation unites its members and leads the global fight against heart disease and stroke. Our members are key to achieving our goals.