



**Medical and Research Advisory Committee
Sickle Cell Disease Association of America, Inc.**

**Recommendations for Coronavirus (COVID-19) Preparedness
(Adapted for Sub-Saharan Africa)**

**Health Alert for People with Sickle Cell Disease
and their Caregivers**

This document will be updated if more information is available.

April 1, 2020 – COVID-19, the coronavirus disease of 2019 - also known as Coronavirus-2 (also called SARS-CoV-2) - and the illness it causes is on everybody's mind. If you or your family member has sickle cell disease (SCD), you may be worried about what this new disease may mean to you.

The more you learn about COVID-19, the better you can understand what to look for, how to protect yourself or your loved one, and what to do IF you feel sick.

Sickle Cell Disease Association of America (SCDAA) and its Medical and Research Advisory Committee want to help you understand COVID-19, how it may affect a person with SCD, and what you can do to help. **This version is adapted for sub-Saharan Africa.**

The potential health risk posed by COVID-19 for people with SCD is a real concern. The knowledge we have about how COVID-19 will affect those living with SCD is evolving constantly. Information about COVID-19 may change in the coming days, weeks and months. **It is important that you stay regularly informed.**

Members of MARAC have been speaking daily with other experts around the world to get new information that may be useful to you.

What You Need to Know About the Coronavirus (COVID-19)

The coronavirus pandemic is real; it is not just a scare tactic, and it is not fake news. People who have SCD may have a more difficult time IF they get COVID-19; it is better to protect yourself from getting the infection.

The advice below applies to you as the person with SCD or to a child with SCD under your care.

Frequently Asked Questions

What can I do to make sure that I do not get COVID-19?

Here are some tips:

Stay home as much as possible.

- Do not leave home unless absolutely necessary.
- If you **MUST** go out, remember to do these when you get to where you are going and as soon as you return home:
 - Wash your hands with soap and water for 20 seconds after you touch anyone or anything outside, as soon as you can; or,
 - use hand sanitizer with at least 60% alcohol to rub your hands.

What to do if you feel sick:

- CALL your doctor, nurse, or hospital immediately.
- Do not just rush to the hospital. CALL first, if possible.
- Tell them how you feel.
- Remember to tell them you have SCD.
- Please consider going to the hospital if you continue to feel sick and are unable to reach anyone for advice.
- Be careful when you meet other people. Try to protect yourself and them, as well.
 - Do not get too close to anyone, especially a person who is coughing, or sneezing.
 - Stay farther than you can touch each other by stretching out your arm.
 - Greet one another by waving from a distance (no hugs or handshakes).

Reduce the spread of germs in your house or place of work:

- **Use disinfectants:** Use a disinfectant to clean surfaces (like counter tops, tables, and arms of chairs), or things that were touched by others because, a strong disinfectant can kill the virus.
- **Keep surfaces clean:** Clean surfaces frequently with a disinfectant if you or other people use or touch the same surfaces or things often. The virus can live on surfaces for many days.
- **Cover your mouth and nose:** Remember to cover your mouth and nose with a tissue when you cough or sneeze.
 - Then immediately wash your hands.
 - If you do not have tissue, cough or sneeze into your clothes. Do not cough or sneeze into your bare hands or skin
- **Protect parts of your face:** Finally, do not touch your eyes, nose, mouth, or face; the virus can get into your body through those body parts.
- **Stay away from anyone in your home that is sick:** Those positive for COVID-19 or think they may have it should follow the advice at your country's Ministry of Health.
- **Masks:** They are not enough to protect you from the COVID-19 infection:

- There are many different opinions about whether you should wear a mask, but if you are using a mask please follow these guidelines:
- They can be reused but should be replaced when visibly soiled or damaged.
- They should be stored in a clean paper bag between uses.
- When storing, fold the mask so that the inner surface is held against itself to reduce contact with the outer surface.

How can I get myself and my family prepared?

Use this checklist, if it helps you to prepare.

- _____ **Refills:** Please check to see if you have refilled all your medications so that you do not run out.
- _____ **Extra medications:** Contact your doctor, nurse or hospital to ask about getting extra medications to have on hand in case there is an outbreak of COVID-19 in your community and you need to stay home for a long time.
- _____ **OTC medicines and supplies:** Be sure you have over-the-counter medicines and medical supplies (e.g. tissues).
- _____ **Thermometer:** Make sure you have a thermometer to take your temperature.
- _____ **Take the prescribed medications for SCD:** hydroxyurea, glutamine, penicillin, folic acid, Voxelotor, Crizanlizumab, Deferasirox, and any others. These medications, if available where you are, will help keep your body in the best possible condition to fight off infection.
- _____ **Pain medications:** Make sure you have enough of your pain medications and use them when you have regular sickle cell pain.

In addition, plan for any of the following that apply:

- _____ **Household items and groceries:** Have enough household items and groceries on hand so that you will be prepared to stay at home for a period of time that could be many weeks.
- _____ **Ways to stay in touch:** Stay in touch with others by phone or email. You may need to ask for help from friends, family, neighbors, etc. if you become ill.
- _____ **Ways to keep children occupied:** Keep children occupied with home school activities, arts and crafts.
- _____ **Caretakers for loved ones and pets:** Think ahead about who will watch your children, other loved ones, or pets if you become too sick.
- _____ **Working from home:** Find out if working from home is an option.

How do I know if I have COVID-19?

The only way to know for sure that you have coronavirus is to get tested. However, it is not easy to get tested yet as all countries in Africa have very few places to get tested and not enough test kits. Also, your sample may need to be sent to a lab far from where you are. We hope that this will change soon. Your health care team will arrange for your test to be done.

Most people who have COVID-19 have the following symptoms:

- Fever
- Cough
- Shortness of breath

NOTE: These together can be a sign of Acute Chest Syndrome of SCD, as well as the serious pneumonia seen in COVID-19. This would be the major concern of COVID-19 in a person with SCD.

****Some people who have COVID-19 have diarrhea and/or a change or loss of smell or taste**

If you have any of the above symptoms:

Call your doctor, nurse or hospital right away to discuss what you should do next.

In addition, you or someone should call for emergency help if you have:

- Difficulty breathing
- Pain or pressure in the chest different from your usual sickle cell pain
- New confusion or inability to wake up easily
- Darker lips or face than usual

What should I do if I have a fever?

- Call your sickle cell doctor, primary care physician, nurse, or hospital to report your illness and arrange to be checked.
- Do NOT immediately rush to the Emergency Department of the hospital.
- And, do NOT take medications such as acetaminophen (Tylenol, Paracetamol, ibuprofen, and others) to force down your high body temperature, and stay home to “wait and see”.
- Be aware that lots of different things can cause fever, such as infections, and sickle cell tissue damage. Fever does not mean you have coronavirus!

What are some good ways to stay as healthy as possible?

- Take your medications as prescribed
- Drink plenty of fluids, as usual.
- Try to rest and do not do too much physical activity

Should I continue getting my chronic transfusions?

- Regular transfusions are given often to prevent serious complications, such as stroke.
- Continue your regular transfusions unless your healthcare team tells you to stop.
- Blood supply may be short so your doctor may need to change the transfusion plan.
- Blood transfusion is still safe; COVID-19 has not been passed through transfusion.
- Talk to your healthcare team if you have concerns about blood and COVID-19.

What if I don't have a doctor?

- Call your local sickle cell organization for advice on resources in your community; or,
- Call the hospital closest to you for advice.

Should I go to the emergency department if I am ill?

- If you have a doctor, nurse, or health care team, it is recommended that you call for advice, if you can, before rushing to the Emergency Department of the hospital.
- Emergency Departments are very full of sick people right now and it is likely that there will be long waits.
- Also, it is very likely that people with COVID-19 infection will be there.
- If you have no other option, then going to the Emergency Department may be the only option.
- Try and call ahead to see if they have recommendations beforehand.

I think I am having sickle cell pain. What should I do?

- **If your pain feels different or is not responding to your usual home treatment, or you also have fever, cough or trouble breathing, call your healthcare team for advice and arrange to be checked.**
- Otherwise, try to manage your sickle cell pain at home in order to avoid busy Emergency Department that may have people with COVID-19 seeking care.

Is it safe to travel?

- It is best to avoid all travel at this time unless there is some emergency.
If you must travel, talk to your healthcare team or visit the website of the US Centers for Disease Control and Prevention (CDC) guidance (www.cdc.gov/covid19) to stay up to date.

What do I do if I am on a research study?

- It is important that you get in touch with your research team right away to check if there are any changes.

I feel fine so far. Is there anything I can do to help others?

- If you know others living with SCD, contact them by phone, text or social media. Make sure they are doing “ok” and see if they need help or reassurance. It is a stressful time for a lot of us. If you know people who are willing to donate blood, encourage them.

Will there be a shortage of blood soon?

- This is very possible, but you can help! If there are people in your family or community that are willing to donate blood, please encourage them to call the local blood bank right away. During times like these, there can be a lot of blood shortages and we know that many people with SCD (as well as other conditions) need blood. See if you can get some people to donate. People with sickle cell trait are still able to donate so please encourage them to do so.

How do I stay informed?

- (1) Go to www.OneSCDVoice.com, SCDA's online information superhighway where we will post updates regularly that are specific to SCD. It is free to join.
- (2) You should also go to the website of your local SCD organization; it may have some useful information that applies directly to your community.
- (3) In addition, go to the [CDC's website \(www.cdc.gov/covid19\)](http://www.cdc.gov/covid19) for regular updates on the COVID-19. Information is updated routinely and will keep you abreast of the latest guidelines and recommendations.

For More Information, contact info@sicklecelldisease.org, or your local SCD organization.



Additional Resources

This website has tips for families including ways to promote coping broken down by age group: https://www.nctsn.org/sites/default/files/resources/fact-sheet/outbreak_factsheet_1.pdf

This website has resources for anxiety and your mental health in a global climate of uncertainty. <https://www.virusanxiety.com/>

SCDAA Medical and Research Advisory Committee Members

Miguel R Abboud, MD

Professor of Pediatrics and
Pediatric Hematology-Oncology
Chairman
Department of Pediatrics and Adolescent
Medicine
American University of Beirut
Beirut, Lebanon

Biree Andemariam, MD

Chair, Medical and Research Advisory
Committee, Sickle Cell Disease Association
of America
Chief Medical Officer, Sickle Cell Disease
Association of America
Director, New England Sickle Cell Institute
Associate Professor of Medicine
University of Connecticut Health
Farmington, Connecticut

Shawn Bediako, PhD

Associate Professor
Department of Psychology
University of Maryland Baltimore County
Baltimore, Maryland

Andrew Campbell, MD

Center for Cancer and Blood Disorders
Children's National Health System
Associate Professor of Pediatrics
George Washington University School
of Medicine and Health Sciences
Washington, District of Columbia

Raffaella Colombatti, MD, PhD

Physician Azienda Ospedaliera-
Università di Padova
Department of Womens' and Child
Health Clinic of Pediatric Hematology
Oncology Via Giustiniani 3
35129 Padova, Italy

Lori Crosby, PsyD

Co-Director, Innovations in Community
Research, Division of Behavioral Medicine
& Clinical Psychology
Co-Director, CCTST, Community
Engagement Core
Psychologist, Research, Behavioral
Medicine
& Clinical Psychologist
Cincinnati Children's
Professor, UC Department of Pediatrics
Cincinnati, OH

Deepika Darbari, MD

Center for Cancer and Blood
Disorders Children's National Health
System Associate Professor of
Pediatrics
George Washington University
School of Medicine and Health
Sciences
Washington, DC

Payal Desai, MD

Associate Professor
Director of Sickle Cell Research
The Ohio State University
JamesCare at Ohio State East Hospital
Columbus, Ohio

James Eckman, MD

Professor Emeritus, Hematology & Medical
Oncology
Emory University School of Medicine
Department of Hematology and Medical
Oncology
Atlanta, Georgia

Mark Gladwin, MD

Professor and Chair
Department of Medicine
Founder, Pittsburgh Heart, Lung, and
Blood Vascular Medicine Institute
University of Pittsburgh E1240
BST
Pittsburgh, Pennsylvania

Jo Howard, MB Bchir, MRCP, FRCPath

Head of Red Cell/Sickle Cell Service
Guy's and St Thomas'
NHS Foundation Trust
Great Maze Pond
London, United Kingdom

Lewis Hsu, MD, PhD

Co-Chair, Medical and Research Advisory
Committee, Sickle Cell Disease Association
of America
Vice Chief Medical Officer, Sickle Cell
Disease Association of America
Director of Pediatric Sickle Cell
Professor of Pediatric Hematology-
Oncology
University of Illinois at Chicago
Chicago, Illinois

Professor Baba Inusa

Lead Consultant Paediatric Sickle Cell
and Thalassaemia
Evelina London Children's Hospital
Guy's and St Thomas NHS Trust
Women and Children's Health
Faculty of Life Sciences & Medicine
King's College London
Lambeth Palace Road, London SE1 7EH

Elizabeth S. Klings, MD

Associate Professor of Medicine
Director, Center for Excellence in Sickle
Cell Disease
Director, Pulmonary Hypertension
Center
Boston University School of Medicine
Boston, Massachusetts

Lakshmanan Krishnamurti, MD

Professor of Pediatrics
Director of Bone Marrow Transplant
Joseph Kuechenmeister Aflac Field
Force Chair, Aflac Cancer and Blood
Disorders Center Children's Healthcare
of Atlanta/Emory University
Atlanta, Georgia

Sophie Lanzkron, MD, MHS

Director, Sickle Cell Center for Adults
The Johns Hopkins Hospital
Baltimore, Maryland

Julie Makani, FRCP, PhD

Associate Professor
Department of Haematology and Blood
Transfusion
Muhimbili University of Health and Allied
Sciences
Dar es Salaam, Tanzania

Caterina Minniti, MD

Director, Sickle Cell Center
Montefiore Health System
Professor of Medicine and Pediatrics
Albert Einstein College of Medicine
Bronx, New York

Genice T. Nelson, DNP, APRN, ANP-BC
Program Director
New England Sickle Cell Institute &
Connecticut Bleeding Disorders Programs
UConn Health
Farmington, Connecticut
Board Member, Sickle Cell Disease
Association of America

**Isaac Odame, MB ChB, MRCP(UK),
FRCPATH, FRCPCH, FRCPC**
Professor, Department of Paediatrics
University of Toronto
The Hospital for Sick Children
Division of Haematology/Oncology
Toronto, Ontario

Kwaku Ohene-Frempong, MD
Director Emeritus, Comprehensive Sickle
Cell Center
Emeritus Professor of Pediatrics,
University of Pennsylvania
President, Sickle Cell Foundation of Ghana
Emeritus Board Member, Sickle Cell
Disease Association of America

Gwendolyn Poles, D.O.
Honorary Medical Staff
Member
Former Medical Director, Kline Health
Center
Faculty, Internal Medicine Program
UPMC Pinnacle
Harrisburg, Pennsylvania
Board Member, Sickle Cell Disease
Association of America

John Roberts, MD
Yale Adult Sickle Cell Program
Smilow Cancer Hospital at Yale New Haven
New Haven, Connecticut

Wally Smith, MD
Professor
Scientific Director, VCU Center on Health
Disparities
Director, VCU Adult Sickle Cell
Program Department of Internal
Medicine
Division of General Internal Medicine
Richmond, Virginia

Crawford J. Strunk, MD
Director, Sickle Cell Disease and
Hemoglobinopathy Clinic
Pediatric Hematology/Oncology
Debbie Brass Cancer Center
ProMedica Russell J. Ebeid Children's
Hospital
2142 North Cove Blvd, Ren 4 West
Toledo, OH 43606

Immacolata Tartaglione, MD PhD
Department of Woman, Child and General
and Specialist Surgery
Università degli Studi della Campania
"Luigi Vanvitelli"
Naples, Italy

Marsha Treadwell, PhD
Director, Sickle Cell Care Coordination
Initiative
Regional Director, Pacific Sickle Cell
Regional Collaborative
Professor of Psychiatry and Pediatrics
University of California San Francisco
Benioff Children's Hospital Oakland
Oakland, California

Winfred C. Wang, MD
Emeritus, St. Jude Faculty
Member, Department of Hematology
St. Jude Children's Research Hospital
Memphis, Tennessee

Russell E. Ware, MD, PhD

Director, Division of Hematology
Institute Co-Director, Cancer and Blood
Diseases Institute
Director, Global Health Center
Marjory J. Johnson Chair of Hematology
Translational Research
Cincinnati Children's
Professor, UC Department of Pediatrics
Cincinnati, Ohio

Julie Kanter Washko, MD

Associate Professor
Division of Hematology Oncology
University of Alabama at Birmingham
Birmingham, Alabama

Kim Smith-Whitley, MD

Professor of Pediatrics
Director Comprehensive Sickle Cell Center
Division of Hematology
The Children's Hospital of Philadelphia
Philadelphia, Pennsylvania
Board Member, Sickle Cell Disease
Association of America

Wanda Whitten-Shurney, MD

CEO & Medical Director
Sickle Cell Disease Association, Michigan
Chapter Inc.
Board Member, Sickle Cell Disease
Association of America
Detroit, Michigan

Ahmar U. Zaidi, MD

Assistant Professor of Pediatrics
Comprehensive Sickle Cell Center
Children's Hospital of Michigan
Director of Physician Network
Development, University Pediatricians
Wayne State University/Central Michigan
University School of Medicine
Detroit, Michigan