

# IMPACT OF COVID-19 ON HEALTH



People living with CVD are more vulnerable to severe COVID-19.<sup>1</sup> Heart health must be a priority, despite the current disruptions. The World Heart Federation is committed to raising awareness of the impacts of COVID-19 on heart health and helping patients stay on track.



## INCREASE IN DEATHS RELATED TO CVD



**58%**

increase in people having cardiac arrests at home<sup>2</sup>



**UP TO 139%**

increase in heart disease-related deaths<sup>3</sup>

Higher mortality and severe illness among people living with CVD<sup>4</sup>

64% decrease in cardiac diagnosis procedures<sup>5</sup>



## AROUND THE WORLD

% of countries experiencing disruptions<sup>6</sup>

Drop in patient attendance

**76%**

Medical staff redeployed to provide COVID-19 relief

**49%**

Lockdowns impacting access

**48%**

Insufficient personal protective equipment (PPE) available for healthcare workers

**44%**

### Heart health services disrupted<sup>7</sup>

Rehabilitation

**63%**

Hypertension

**53%**

Diabetes

**49%**

Cardiovascular emergencies

**31%**

Fear and mistrust also recorded as reasons for drop in attendance<sup>6</sup>



## GLOBAL DISPARITIES<sup>6</sup>

Cardiovascular emergency services disrupted in 50% of low-income and 17% of high-income countries

## RESPONDING TO COVID-19 CHALLENGES

Refocusing public health information communications<sup>6</sup>

Triaging to identify priorities<sup>6</sup>

Innovation in access such as telemedicine and digital health<sup>6</sup>

<sup>1</sup><https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html> (March 15, 2021). <sup>2</sup>Baldi, E., Sechi, G. M., Mare, C., Canevari, F., Brancaglione, A., Primi, R., Klersy, C., Palo, A., Contri, E., Ronchi, V., Beretta, G., Reali, F., Parogni, P., Facchin, F., Rizzi, U., Bussi, D., Ruggeri, S., Oltrona Visconti, L., Savastano, S., & Lombardia CARE researchers (2020). COVID-19 kills at home: the close relationship between the epidemic and the increase of out-of-hospital cardiac arrests. *European heart journal*, 41(32), 3045–3054. <https://doi.org/10.1093/eurheartj/ehaa508>. <sup>3</sup>Wadhera RK, Shen C, Gondi S, Chen S, Kazi DS, Yeh RW. Cardiovascular Deaths During the COVID-19 Pandemic in the United States. *J Am Coll Cardiol*. 2021;77(2):159-169. doi:10.1016/j.jacc.2020.10.055. <sup>4</sup>Gupta AK, Jneid H, Addison D, Ardehali H, Boehme AK, Borgaonkar S, Boulestreau R, Clerkin K, Delarche N, DeVon HA, Grumbach IM, Gutierrez J, Jones DA, Kapil V, Maniero C, Mentias A, Miller PS, Ng SM, Parekh JD, Sanchez RH, Sawicki KT, Te Riele ASJM, Remme CA, London B. Current Perspectives on Coronavirus Disease 2019 and Cardiovascular Disease: A White Paper by the JAHA Editors. *J Am Heart Assoc*. 2020 Jun 16;9(12):e017013. doi: 10.1161/JAHA.120.017013. Epub 2020 Apr 29. PMID: 32347144; PMCID: PMC7429024. <sup>5</sup>Andrew J. Einstein, Leslee J. Shaw, Cole Hirschfeld, Michelle C. Williams, Todd C. Villines, Nathan Better, Joao V. Vitola, Rodrigo Cerci, Sharmila Dorbala, Paolo Raggi, Andrew D. Choi, Bin Lu, Valentin Sinitsyn, Vladimir Sergienko, Takashi Kudo, Bjarne Linde Nørgaard, Pál Maurovich-Horvat, Roxana Campisi, Elisa Milan, Lizette Louw, Adel H. Allam, Mona Bhatia, Eli Malkovskiy, Benjamin Goebel, Yosef Cohen, Michael Randazzo, Jagat Narula, Thomas N.B. Pascual, Yaroslav Pynda, Maurizio Dondi, Diana Paez, International Impact of COVID-19 on the Diagnosis of Heart Disease, *Journal of the American College of Cardiology*, Volume 77, Issue 2, 2021, Pages 173-185. <sup>6</sup>Pulse survey on continuity of essential health services during the COVID-19 pandemic: interim report, 27 August 2020. <sup>7</sup>WHO Rapid assessment of service delivery for noncommunicable diseases (NCDs) during the COVID-19 pandemic, 30 June 2020.

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