

CAPSCA

Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation



الهيئة العامة للطيران المدني
General Authority of Civil Aviation

Post COVID-19 Condition Certification

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CAPSCA & aviation personnel

- Public health protection - the general public, air travellers and **aviation personnel**
- **Guidance material and tools** for states and stakeholder
- Decision making and planning during pandemic (**Medical assessment**)

CAPSCA

Collaborative Arrangement for the Prevention and
Management of Public Health Events in Civil Aviation



COVID-19 Aviation Personnel Certification

The **International Civil Aviation Organization (ICAO)** has developed expert-based guidance material to assist Member States with the risk assessment when considering the **medical certification of licence holders with a history of COVID-19 infection**.



International Civil Aviation Organization

ELECTRONIC BULLETIN

For information only

EB 2022/8

7 February 2022

POST-COVID-19 INFECTION PROTOCOL FOR MEDICAL CERTIFICATION

ICAO Assembly 41st Session

The Assembly invited to **universally acknowledge air crew as essential workers** critical to ensuring essential connectivity and supply chain security



International Civil Aviation Organization

WORKING PAPER

A41-WP/257
EX/110
02/08/22

ASSEMBLY — 41ST SESSION

EXECUTIVE COMMITTEE

Agenda Item 13: Facilitation Programmes

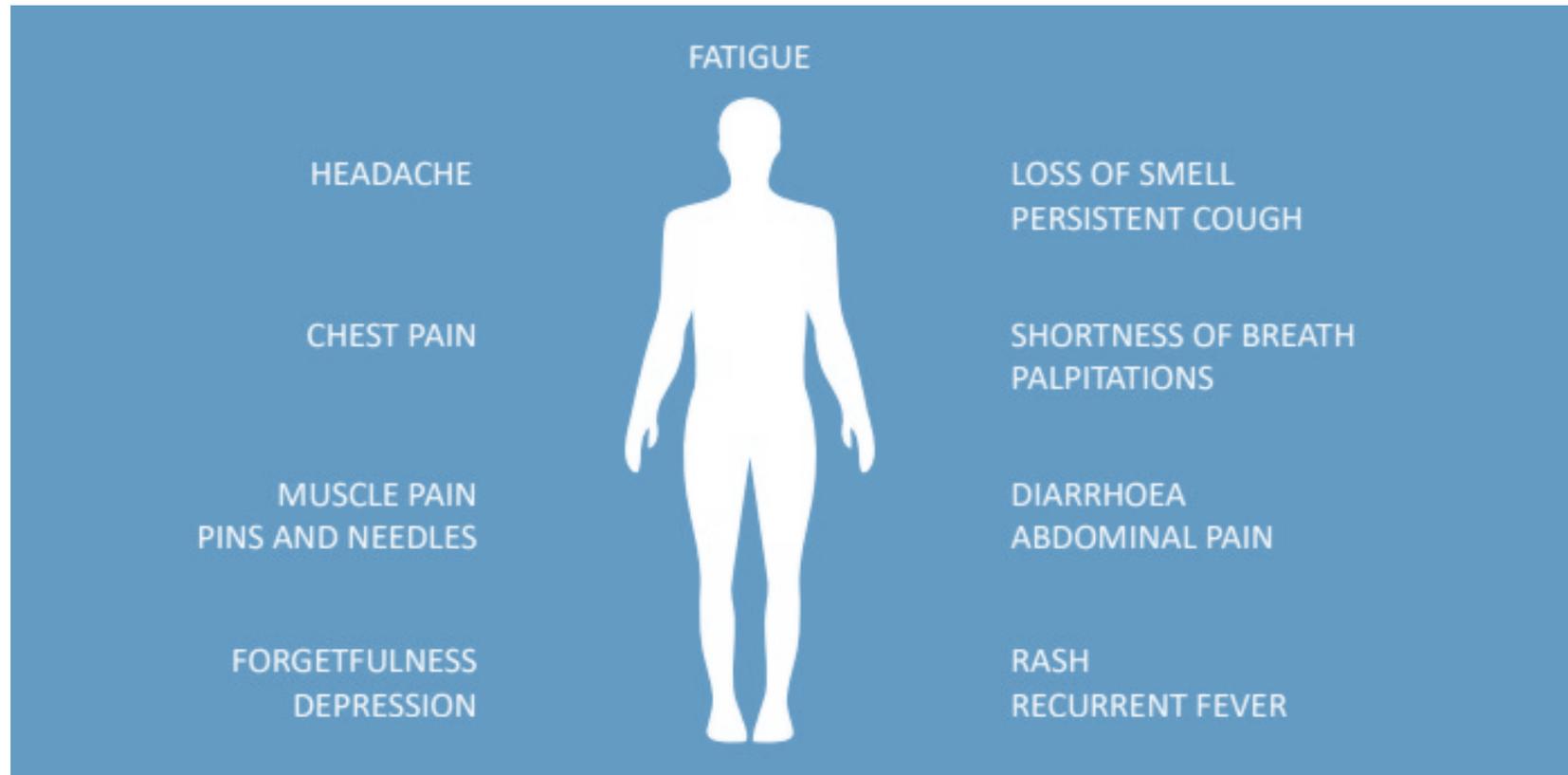
HARMONIZING CREW TREATMENT STANDARDS WORLDWIDE

(Presented by the United States)

Post COVID-19 condition “Long COVID”

- Although most people with COVID-19 experience mild symptoms or moderate illness, **approximately 10-15%** of cases progress to severe disease, and **about 5% become critically ill**.
- Post COVID-19 condition occurs in individuals with **a history of probable or confirmed infection**, usually **3 months from the onset of COVID-19** with symptoms and that **last for at least 2 months** and **cannot be explained by an alternative diagnosis**.
- Common symptoms include **fatigue, shortness of breath, cognitive dysfunction** but also others and generally have an **impact on everyday functioning**.

Post COVID-19 condition symptoms



Post COVID-19 long-term complications



CARDIOVASCULAR

inflammation of
the heart muscle



RESPIRATORY

lung function
abnormalities



DERMATOLOGIC

rash



NEUROLOGIC

loss of taste & smell,
sleep disturbance



PSYCHIATRIC

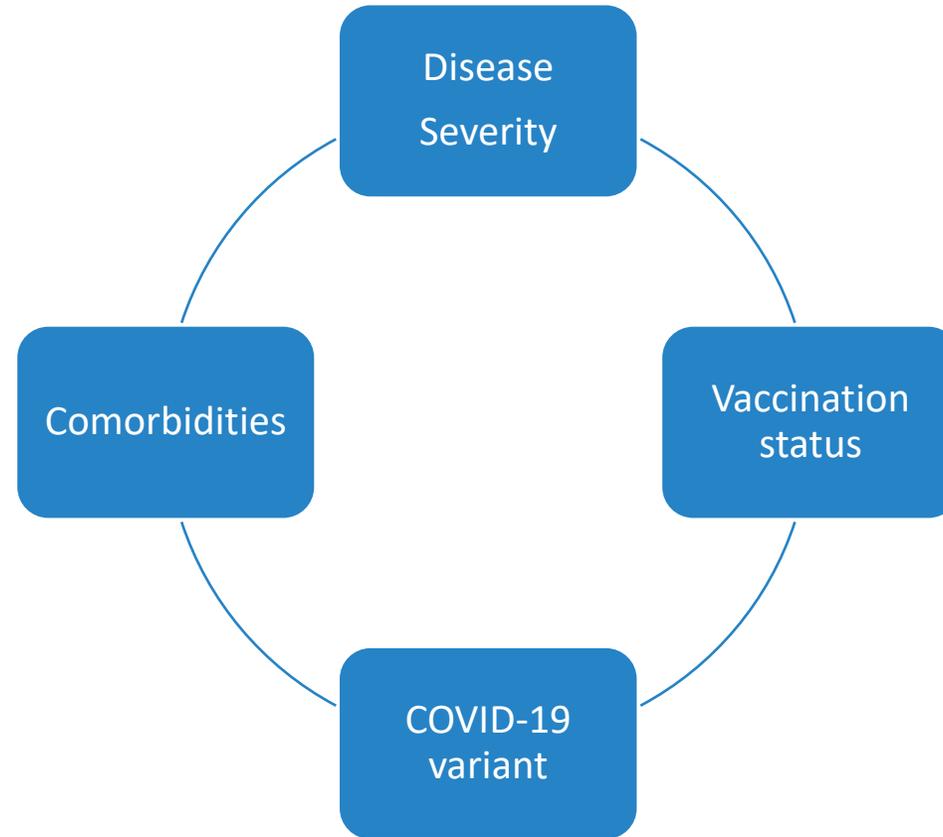
depression, anxiety,
changes in mood

Long COVID & Aviation Personal

Aviation Medicine Certification



Assessment approach



Recommendations

- Holistic approach
- ICAO (CAPSCA) recommendations
- CDC updates
- Local Public health Authority (or Ministry of health) guidelines
- Monitor the scientific evidence
- AME role
- Aircrew self-awareness

HIGH-LEVEL CONFERENCE ON COVID-19 (HLCC 2021)



International Civil Aviation Organization

WORKING PAPER

HLCC 2021-WP/115¹
SAF/88
27/8/21

HIGH-LEVEL CONFERENCE ON COVID-19 (HLCC 2021)

SAFETY STREAM

Montréal, Canada, 12 to 22 October 2021

Agenda Item 1: Safety and operational measures related to the COVID-19 pandemic

**A PRACTICAL GUIDE FOR ASSESSING THE PSYCHOLOGICAL AND PHYSICAL FITNESS
OF AVIATION PERSONNEL AFFECTED BY LONG COVID**

(Presented by Venezuela (Bolivarian Republic of))

CDC

Post-COVID Conditions: Information for Healthcare Providers (cdc.gov)

The screenshot shows the CDC website interface. At the top, the CDC logo and tagline "Centers for Disease Control and Prevention" are visible, along with a search bar. Below this is a teal navigation bar with "COVID-19" and several menu items: "Your Health", "Vaccines", "Cases & Data", "Specific Settings", "Healthcare Workers" (which is highlighted), "Health Depts", "Science", and "More".

On the left side, there is a sidebar menu under "Healthcare Workers" with the following items: "Testing", "Clinical Care" (expanded), "Quick Reference", "Clinical Care Considerations", "Pre-exposure Prophylaxis", "Outpatient Treatment Overview", "Ending Isolation", "Specific Patient Types", "Post-COVID Conditions: Healthcare Providers" (highlighted), and "Post-COVID Conditions: CDC Science".

The main content area features the title "Post-COVID Conditions: Information for Healthcare Providers" with a sub-header "Updated Dec. 16, 2022" and a "Print" link. A text box contains the following information:

This page provides an overview for healthcare providers. For information of CDC research, see [Science behind Long COVID](#).

For the General Public: [Long COVID \(Post-COVID Conditions\)](#)

Below this is a section titled "On This Page" with a grid of links:

Key Points	Documentation of Post-COVID Conditions
Overview	Research on Post-COVID Conditions
Assessment and Testing for Post-COVID Conditions	Tools and Resources
Management of Post-COVID Conditions	References

Saudi Arabia

In March 2022, The Saudi Ministry of Health launched the **post-infection clinic for the Corona virus**, under the name "**Long-term Corona Symptoms**", in continuation of its efforts to address the pandemic and complete the medical service for patients infected with the virus.



Scientific evidence



ESC

European Society
of Cardiology

European Journal of Preventive Cardiology (2022) 29, 1724–1730
<https://doi.org/10.1093/eurjpc/zwac041>

POSITION PAPER

Infectious/Communicable Diseases

Cardiopulmonary assessment prior to returning to high-hazard occupations post-symptomatic COVID-19 infection: a position statement of the Aviation and Occupational Cardiology Task Force of the European Association of Preventive Cardiology

Rienk Rienks¹, David Holdsworth^{2,3}, Constantinos H. Davos ⁴, Martin Halle ⁵, Alexander Bennett^{2,6}, Gianfranco Parati ^{7,8}, Norbert Guettler⁹, and Edward D. Nicol^{2,10,11*}

Outcomes



References

1. [Post COVID-19 condition \(Long COVID\) \(who.int\)](#)
2. [wp_115_en.pdf \(icao.int\)](#)
3. [https://www.icao.int/Meetings/a41/Documents/WP/wp_257_en.pdf](#)
4. [Electronic Bulletin \(icao.int\)](#)
5. [Post-COVID Conditions: Information for Healthcare Providers \(cdc.gov\)](#)
6. [عام / الصحة تُطلق عيادة ما بعد الإصابة بفيروس كورونا تحت مسمى "أعراض كورونا طويلة المدى" وكالة الأنباء السعودية spa.gov.sa\)](#)
7. [Return to high-hazard occupations after COVID-19 infection: a cardiopulmonary assessment approach - PMC \(nih.gov\)](#)

Thank You

