

The Ministry of Health centralises most planning and regulation activities whereas The five regional health administrations are responsible at the local level for strategic management of population health, supervision of NHS hospitals, direct management of public primary care centres and providers, and implementation of national health policy objectives. The Portuguese response to the Covid-19 crisis was concentrated in national institutions (from State of Health in the EU Portugal Country Health Profile 2021  
[https://health.ec.europa.eu/system/files/2021-12/2021\\_chp\\_pt\\_english.pdf](https://health.ec.europa.eu/system/files/2021-12/2021_chp_pt_english.pdf) )

## **R&I Policies and Strategies**

Country has a dedicated strategy for research and innovation related to pandemic threat? **Yes**

R&I strategy URL <https://www.dgs.pt/>

Country has an open science portal with information on publicly financed scientific research? **Yes**

R&I portal <https://www.fct.pt/>

Country has R&I webpage on Chemical, Biological, Radiological and Nuclear (CBRM) threats; Other

Website open science/ open data initiative with respect to pandemic threats, such as COVID-19 open

Name	URL	Short Description
	<a href="http://www.prociv.pt/bk/PROTECAOCIVIL/LEGISLACAONORMATIVOS/Directivas/ANPC_DON-3_NRBQ.pdf">http://www.prociv.pt/bk/PROTECAOCIVIL/LEGISLACAONORMATIVOS/Directivas/ANPC_DON-3_NRBQ.pdf</a> <a href="https://anpaq.mne.gov.pt/pt/quem-somos">https://anpaq.mne.gov.pt/pt/quem-somos</a>	
INSaFlu	<a href="https://insaflu.insa.pt/">https://insaflu.insa.pt/</a>	NSaFLU ("INSide the FLU") is a free bioinformatics web-based (also locally installable) suite that deals with primary sequencing data (Illumina, Ion Torrent and Oxford Nanopore Technologies reads) towards: metagenomics virus detection (from reads to virus detection). routine genomic surveillance (from reads to mutation detection, consensus generation, virus classification, alignments, "genotype-phenotype", screening, phylogenetics, integrative Nextstrain phylogeographical and temporal analysis etc).

Country has coordinating structures to link public health needs and research needs? **Yes**

Coordinating structures URL <https://aicib.pt/>

## **R&I Infrastructures**

Country has the following research infrastructure for infectious diseases and outbreaks available, or under construction BSL 3; BSL 4; Emergency intervention units; Open genome deposits for viruses; Open genome deposits for bacteria

Name Infrastructure	Type Infrastructure	URL	Max Capacity	Available for	Open to
Biobanco GHTM-IHMT – Biotropical Resources	Biobank	<a href="https://www.ihmt.unl.pt/investigacao/biobanco/">https://www.ihmt.unl.pt/investigacao/biobanco/</a>		Yes	Yes
ERINHA	BSL3 and BSL4	<a href="https://www.erinha.eu/">https://www.erinha.eu/</a>		Yes	Yes
National Infrastructures in Portugal	Medical and Biological sciences	<a href="https://forumgdi.rcaap.pt/wp-content/uploads/2020/06/6oForumGDI_Roteiro2020_DC_Vf.pdf">https://forumgdi.rcaap.pt/wp-content/uploads/2020/06/6oForumGDI_Roteiro2020_DC_Vf.pdf</a>		Yes	Yes

Country supporting the participation to the following ESFRI initiatives      BBMRI; EATRIS; ECRIN; ERINHA; MIRRI  
relevant for infectious diseases

Website network of clinical trials (e.g. to facilitate the access to clinical trials) the country is involved in

<https://eu-response.eu/>

<https://ecrin.org/>

<https://aicib.pt/investigadores-profissionais-de-saude/investigacao-clinica/ensaios-clinicos/>

<https://vaccelerate.eu/>

<https://portugalclinicaltrials.com/>

## **Budget mobilisation mechanisms and funding sources**

### **Basic Research**

url <https://www.fct.pt/>

funding for basic research accessible for industry?    Yes

source of funding      Public (research) agencies; Private industries/ philanthropic

### **Applied Research**

url <https://www.fct.pt/>

funding for applied research accessible for industry?    Yes

source of funding      Public (research) agencies; Private industries/ philanthropic

### **Translational Research**

url <https://www.fct.pt/>

funding accessible for industry?    Yes

source of funding      Public (research) agencies; Private industries/ philanthropic

### **Clinical Research (in general)**

url <https://www.fct.pt/>

funding accessible for industry?    Yes

source of funding      Public (research) agencies; Private industries/ philanthropic

phase funded?      Phase 1; Phase 2; Phase 3; Phase 4

### **Clinical Research (in pandemic phase)**

url <https://www.fct.pt/>

accessible for industry?    Yes

source of funding      Public (research) agencies; Private industries/ philanthropic

phase funded ?    Phase 1; Phase 2; Phase 3; Phase 4

### **Innovation Projects**

url <https://www.ani.pt/>

funding for innovation projects accessible for industry relevant for infectious diseases?    Yes

source of funding      Public (research) agencies; Private industries/ philanthropic

Flexible funding in case of emergencies is possible <https://www.acss.min-saude.pt/category/prestadores/sns-financeiro/>

## **R&I actors, authorities and activated processes that are activated in case of a health threat**

R&I actors, authorities and

ministries involved in case of an outbreak; mobilisation processes of research forces; (existing) national or regional structures that advise governments on R&I during emergencies; administrative procedures to diminish the administrative burden for researchers and funding administrations; assessment of research outputs produced during a crisis; incentives ensuring qualitative scientific dissemination during a crisis; international scientific collaboration in case of an outbreak

Name	Contactpoint	Description	url
ACSS		The Central Administration of the Health System, I.P (ACSS) is a Public Institute, created in 2007, integrated in the indirect administration of the State, with administrative and financial autonomy, which executes the guidelines of the Ministry of Health and is under its supervision and guardianship. The ACSS has jurisdiction over the entire mainland.	<a href="https://www.acss.min-saude.pt/">https://www.acss.min-saude.pt/</a>
AICIB		Vision AICIB aims to be a national and European reference as an entity capable of creating the essential conditions to stimulate clinical research and biomedical innovation in Portugal. Mission To promote, coordinate and support activities in the areas of clinical and translational research (CI&T) and biomedical innovation, contributing to the optimization of Portugal's clinical, scientific and technological potential.	<a href="https://aicib.pt/">https://aicib.pt/</a>
ANEPC		ANEPC is the national authority in matters of emergency and civil protection, being a central service, directly administered by the State, endowed with administrative and financial autonomy and its own assets. ANEPC's mission is to plan, coordinate and execute emergency and civil protection policies, namely in the prevention and response to serious accidents and catastrophes, protection and rescue of populations, coordination of civil	<a href="http://www.prociiv.pt/pt">http://www.prociiv.pt/pt</a>
DGS		The Directorate-General for Health or DGS is the health authority of the Portuguese government, which functions as a service of the Ministry of Health, but is endowed with administrative autonomy. Its function is to regulate, guide and coordinate health promotion and disease prevention activities, in addition to defining the technical conditions for adequate provision of health care.	<a href="https://www.dgs.pt/">https://www.dgs.pt/</a>
FCT		The Foundation for Science and Technology (FCT) is the national public agency for the support of research in science, technology and innovation in all areas of knowledge. It is a public institute of special regime under the tutelage and superintendence of the Ministry of Science, Technology and Higher Education.	<a href="https://www.fct.pt/">https://www.fct.pt/</a>
Health Ministry		The Minister of Health formulates, directs, executes and evaluates the national health policy and, in particular, that of the National Health Service, ensuring the sustainable application and use of resources.	<a href="https://www.portugal.gov.pt/en/gc22/ministries/health">https://www.portugal.gov.pt/en/gc22/ministries/health</a>
INFARMED		National Authority for Medicines and Health Products, I.P., referred to in short as Infarmed, is a public institute with a special regime, under the terms of the law, integrated in the indirect administration of the State, endowed with administrative and financial autonomy and its own assets.	<a href="https://www.infarmed.pt/">https://www.infarmed.pt/</a>
INSA		The National Institute of Health Doctor Ricardo Jorge (Instituto Ricardo Jorge) is a public body integrated in the indirect administration of the State, under the supervision of the Ministry of Health, endowed with scientific, technical, administrative, financial autonomy and its own assets. Founded in 1899 by the physician and humanist Ricardo Jorge (Porto, 1858 – Lisbon, 1939), as the laboratory arm of the Portuguese health system, the	<a href="https://www.insa.min-saude.pt/">https://www.insa.min-saude.pt/</a>
SPMS		Shared Services of the Ministry of Health (SPMS)	<a href="https://www.spms.min-saude.pt/">https://www.spms.min-saude.pt/</a>



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