

The Finnish health system is currently governed at the national and local levels. A Coronavirus Coordination Group, comprised of representatives from various ministries, the Finnish Institute for Health and Welfare and the Prime Minister's Office, was appointed in February 2020 to plan, manage and coordinate measures in health care and social welfare. The regional state administrative agencies and municipal-level agencies for prevention of communicable diseases played a key role in implementation. The regional health agencies are also the legally responsible ones for actions (from State of Health in the EU - Finland - Country Health Profile 2021 see https://health.ec.europa.eu/system/files/2021-12/2021_chp_fi_english.pdf)

In terms of R&D funding mobilisation amidst crisis - during COVID the government released extrabudgetary research funding which was distributed through Academy of Finland. Hence - at government and also at institutional level decisions to add funding or re-focus available may be taken on a case-by-case basis

To reduce the risks of other public health threats, Finland is working on its preparedness to antimicrobial resistance. The most recent National Action Plan on AMR in Finland dates back to 2017-21. This comprised five main priority areas to control AMR: a) training of health professionals and education of the general public; b) nationally coordinated One Health surveillance, including surveillance of AMR and use of antibiotics; c) prevention of infections and control of spreading of multi-resistant bacteria; d) guidance on the use of antimicrobials; and e) support for further research (Ministry of Social Affairs and Health, 2017). Finland performs relatively well compared to most other EU countries in terms of antibiotic consumption. (from State of Health in the EU - Finland - Country Health Profile 2023 see https://health.ec.europa.eu/system/files/2024-01/2023_chp_fi_english.pdf)

R&I Policies and Strategies

The information is not exhaustive and should be updated regularly.

Country has a dedicated strategy for research and innovation related to pandemic threat? **Yes**
[Finland's Pandemic Preparedness Plan for Healthcare and Social Welfare](#) guides contingency planning, pandemic management and recovery in healthcare and social welfare, both nationally and regionally. The plan describes the tasks of different actors in various areas of pandemic preparedness. The areas of pandemic management it covers include funding, management, coordination and cooperation, situation picture and risk assessment, enhanced communication, material preparedness, microbiological diagnostics, non-pharmaceutical interventions, medicines and vaccines, as well as human resources and securing system capacity.

R&I strategy URL <https://www.aka.fi/en/strategic-research/strategic-research/strategic-research-in-a-nutshell/programmes-and-projects/pandemics/>
<https://julkaisut.valtioneuvosto.fi/handle/10024/165716>

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

R&I portal <https://research.fi/en/>
<https://www.aka.fi/en/strategic-research/strategic-research/strategic-research-in-a-nutshell/programmes-and-projects/>
<https://ratkaisujatieteesta.fi/>

Country has R&I webpage on COVID-19

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

Name	URL	Short Description
	https://www.aka.fi/en/strategic-research/strategic-research/strategic-research-in-a-nutshell/programmes-and-projects/pandemics/ https://julkaisut.valtioneuvosto.fi/handle/10024/165716 https://ratkaisujatieteesta.fi/	
BY COVID	https://by-covid.org/	The BeYond-COVID project aims to make COVID-19 data accessible to scientists in laboratories but also to anyone who can use it, such as medical staff in hospitals or government officials. Going beyond SARS-CoV-2 data, the project will provide a framework for making data from other infectious diseases open & accessible to everyone.
Coronavirus cases, hospital treatment situation and deaths	https://www.thl.fi/episeuranta/tautitapaukset/coronamap.html	Open data on covid-19 is provided by the Finnish Institute for Health and Welfare

COVID	https://thl.fi/en/web/infectious-diseases-and-vaccinations/what-s-new/coronavirus-covid-19-latest-updates	
Finnish National Infectious Diseases Register, statistical database	https://sampo.thl.fi/pivot/prod/en/ttr/cases/fact_ttr_cases?&row=nidrreportgroup-878152&column=yearmonth-878344	
PHIRI - the Population Health Information Research Infrastructure	https://www.phiri.eu/	PHIRI is the roll-out of the research infrastructure on population health information that aims to facilitate and generate the best available evidence for research on health and well-being of populations as impacted by COVID-19. PHIRI allows for better coordinated European efforts across national and European stakeholders to generate the best COVID-19 population health knowledge.
Statistics Finland's free-of-charge statistical databases	https://statfin.stat.fi/PxWeb/pxweb/en/StatFin/	Statistics Finland's free-of-charge statistical databases include some indicators for health and welfare such as causes of death, deaths

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

Coordinating structures URL <https://www.aka.fi/en/strategic-research/strategic-research/strategic-research-in-a-nutshell/>

R&I Infrastructures, Initiatives and Clinical Trials The initiatives are listed in alphabetical order, are not exhaustive and should be updated regularly

Country has the following research infrastructure for infectious diseases and outbreaks available, or under construction

BSL 3; Emergency intervention units; High level isolation units; High level isolation transport; Reference centres of excellence

Name Infrastructure	Type Infrastructure	URL	Max Capacity	Available for	Open to
FINBB		https://finbb.fi/en/member-biobanks			
Fingenious		https://site.fingenious.fi/en/			
Finnish Clinical Biobank Tampere		https://www.pirha.fi/en/web/english/for-professionals/finnish-clinical-biobank-tampere			
PARI - Nordic Pandemic Research Infrastructure CSC-IT Center for Science		https://neic.no/pari/			

Country supporting the participation to the following ESFRI initiatives relevant for infectious diseases

BBMRI; EATRIS; Other (ELIXIR, EU-OPENSOURCE)

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

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/global-research-on-novel-coronavirus-2019-ncov/solidarity-clinical-trial-for-covid-19-treatments>
<https://www.edctp.org/>
<https://www.combacte.com/>

Budget mobilisation mechanisms and funding sources

The information is not exhaustive and should be updated regularly

Basic Research

url <https://www.aka.fi/en/> (also in case of emergency flexible funding)
funding for basic research accessible for industry?
source of funding Public (research) agencies

Applied Research

url www.businessfinland.fi (also in case of emergency flexible funding)
funding for basic research accessible for industry?
source of funding Public (research) agencies

Translational Research

url
funding accessible for industry?
source of funding Public (research) agencies

Clinical Research (in general)

url <https://laaketieteensaatio.fi/en/grants/>
funding accessible for industry? No
source of funding Public (research) agencies
phase funded? Phase 1; Phase 2

Clinical Research (in pandemic phase)

url
accessible for industry?
source of funding Public (research) agencies
phase funded ?

Innovation Projects

url www.businessfinland.fi
funding for innovation projects accessible for industry?
Source of funding Public (research) agencies

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

The actors are listed in alphabetical order, the list is not exhaustive and should be updated regularly

R&I actors, authorities ministries involved in case of an outbreak; (existing) national or regional structures that advise governments on R&I during emergencies; assessment of research outputs produced during a crisis; international scientific collaboration in case of an outbreak

Name	Description	url
Academy of Finland - Research Council of Finland	The Academy of Finland is an expert organisation in science and research that funds high-quality scientific research, acts as an expert in science and science policy, and strengthens the position of science and research.	https://www.aka.fi/en/
Business Finland	Business Finland funds applied research and innovation companies, when the results will be available for the use of Finnish companies in their export business.	https://www.businessfinland.fi/en/for-finnish-customers/services/research-organizations/research-organizations
Finnish Vaccine Research	FVR offers clinical vaccine research expertise aimed at obtaining a license for marketing authorization (phases 1–3), as well as post-licensure investigations into the effectiveness and safety of vaccines already in use (phase 4). In addition, FVR has strong expertise in Real-World Evidence (RWE) studies and pragmatic vaccine trials, utilizing Finland's comprehensive health registers and data resources.	https://fvr.fi/en/

Institute National Institute for
Health and Welfare

THL is an independent state-owned expert and a research institute

<https://thl.fi/en/main-page>

Kuopio University Hospital

Ministry of Social Affairs and Health

The Ministry of Social Affairs and Health is part of the Finnish Government. It is in charge of the planning, guidance and implementation of health and social policy. The MSAH and its Preparedness Unit oversees and coordinates preparedness for special situations and emergency conditions concerning social and health care. The aim is to safeguard the social and health services and the functional capacity of the population in all situations.

<https://stm.fi/en/frontpage>

National Emergency Supply Agency
(Huoltovarmuuskuskeskus)

The National Emergency Supply Agency (NESA) is an organisation operating under the Ministry of Economic Affairs and Employment. It develops and maintains security of supply.

<https://www.huoltovarmuuskuskeskus.fi/en/organisation/the-national-emergency-supply-agency>

Research and Innovation Council

The Research and Innovation Council is an advisory body chaired by the Prime Minister. The Council discusses key issues relating to the development of research and innovation policy that supports the wellbeing, growth and competitiveness. The purpose of the Research and Innovation Council is to support the government in the development and coordination of long-term research and innovation policy, to monitor the changes in the

<https://valtioneuvosto.fi/en/research-and-innovation-council>

Tampere University Hospital -
Pediatric Early Phase Trials Unit
(PeeTU)

Turku University Hospital (TYKS)

<https://www.tyks.fi/en>

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