2021 G20 Rome Summit Interim Compliance Report

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Feedback, as always, is welcome and is kept anonymous.
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15. Health: Digital Innovations

"We will pursue our efforts to enhance innovation in digital and other health-related technologies, taking into account the need to protect personal health data."

G20 Rome Leaders' Declaration

Assessment

	No Compliance	Partial Compliance	Full Compliance
Argentina			+1
Australia		0	
Brazil			+1
Canada		0	
China			+1
France		0	
Germany			+1
India			+1
Indonesia		0	
Italy		0	
Japan			+1
Korea		0	
Mexico		0	
Russia		0	
Saudi Arabia		0	
South Africa		0	
Turkey		0	
United Kingdom			+1
United States			+1
European Union			+1
Average	+0.45 (73%)		

Compliance director: Alexander Ignatov
Lead analyst: Irina Popova

Background

At the 2014 Brisbane Summit G20 leaders made their first commitments on health in response to the outbreak of Ebola virus in Guinea, Liberia and Sierra Leone.[3008] They approved a joint statement on the Ebola threat and pledged to "do what is necessary to ensure the international effort can extinguish the outbreak" and urged the World Bank Group and International Monetary Fund to "continue their strong support for the affected countries." The G20 members pledged to fully implement the World Health Organization's (WHO) International Health Regulations (IHR) addressing "longer-term systemic issues and gaps in capability, preparedness and response capacity that expose the global economy to the impacts of infectious disease."

At the 2017 Hamburg Summit under Germany's G20 presidency, G20 health ministers met for the first time. They acknowledged the role of the IHR and agreed to act "accordingly with obligations under the IHR and support the leadership and coordination of WHO in the event of health crises of international concern."[3009] G20 members agreed to "strengthen the national and, where applicable, regional monitoring and surveillance of both antimicrobial resistance and the consumption of antibiotics" within their own jurisdictions. At the

[3008] G20 Leaders' Brisbane Statement on Ebola, RANEPA (Moscow) 15 November 2014. Access Date: 12 January 2022. https://www.ranepa.ru/images/media/g20/2014brisbane/G20%20Leaders%E2%80%99%20Brisbane%20Statement%20on%20Ebola.pdf
[3009] Berlin Declaration of the G20 Health Ministers, RANEPA (Moscow) 20 May 2017. Access date: 12 January 2022. https://www.ranepa.ru/images/media/g20/2017hamburg/G20_Health_Ministers_Declaration_engl.pdf

Hamburg Summit the G20 leaders discussed antimicrobial resistance (AMR), acknowledged its "growing threat to public health and economic growth" and pledged to "strengthen public awareness, infection prevention and control and improve the understanding of the issue of antimicrobials in the environment."[3010]

At the 2018 Buenos Aires Summit the G20 leaders once again acknowledged "the need for further multi-sectoral action to reduce the spread of AMR" and extended the health-related agenda of the G20 by pledging to "tackle malnutrition, with a special focus on childhood overweight and obesity, through national, community-based and collaborative multi-stakeholder approaches."[3011] In addition, the G20 leaders draw attention to provision of "better health care" and agreed to "improve [health care] quality and affordability to move towards Universal Health Coverage."

At the 2019 Osaka Summit, G20 leaders reaffirmed the need for stronger health systems providing cost-effective and evidence-based intervention to achieve better access to health care and to improve its quality and affordability to move towards universal health coverage (UHC), in line with their national contexts and priorities.[3012] They also promised to continue to strengthen core capacities required by IHR for preventing, detecting and responding to public health emergencies, recognized the WHO's critical role, and committed to ending HIV/AIDS, tuberculosis and malaria.

In 2020 COVID-19 outbreak became the most important issue for G20 cooperation. In their statement made at Extraordinary G20 Leaders' Summit on 26 March 2020, members pledged to "take all necessary health measures and seek to ensure adequate financing to contain the pandemic and protect people, especially the most vulnerable."[3013] They promised to "share timely and transparent information; exchange epidemiological and clinical data; share materials necessary for research and development; and strengthen health systems globally, including through supporting the full implementation of the WHO International Health Regulations (IHR 2005)." Leaders committed to further strengthen the WHO's mandate in coordinating the international fight against the pandemic by working together and with stakeholders to close the financing gap in the WHO Strategic Preparedness and Response Plan. They also promised "to strengthen national, regional, and global capacities to respond to potential infectious disease outbreaks by substantially increasing our epidemic preparedness spending." G20 leaders pledged to work together to increase research and development funding for vaccines and medicines, leverage digital technologies, and strengthen scientific international cooperation.

At the 2020 Riyadh Summit, G20 leaders committed to advancing global pandemic preparedness, prevention, detection, and response and reaffirmed commitment to full compliance with IHR 2005. They also promised to spare no effort to ensure affordable and equitable access to vaccines for all people, consistent with members' commitments to incentivize innovation and supported all collaborative efforts, especially the Access to COVID-19 Tools Accelerator (ACT-A) initiative and its COVAX facility, and the voluntary licensing of intellectual property.[3014]

[3010] G20 Leaders' Declaration Hamburg, RANEPA (Moscow) 8 July 2017. Access Date: 12 January 2022. https://www.ranepa.ru/images/media/g20/2017hamburg/G20%20Hamburg%20leaders_%20communiqu%C3%A9.pdf
[3011] G20 Leaders' Declaration Buenos Aires, RANEPA (Moscow) 1 December 2018. Access Date: 12 January 2022. https://www.ranepa.ru/images/media/g20/2018buenosaires/buenos_aires_leaders_declaration.pdf
[3012] G20 Osaka Leaders' Declaration, RANEPA (Moscow) 29 June 2019. Access Date: 12 January 2022. https://www.ranepa.ru/images/News_ciir/Project/G20_new_downloadings/FINAL_G20_Osaka_Leaders_Declaration.pdf
[3013] Extraordinary G20 Leaders' Summit Statement on COVID-19, RANEPA (Moscow) 26 March 2020. Access Date: 12 January 2022. https://www.ranepa.ru/ciir/sfery-issledovanij/gruppa-dvadtsati/dokumenty-gruppy-dvadtsati/saudovskoe-predsedatelstvo-2020/G20_Extraordinary%20G20%20Leaders%E2%80%99%20Summit_Statement_EN%20(1).pdf
[3014] G20 Riyadh Summit Leaders' Declaration, RANEPA (Moscow) 21 November 2022. Access Date: 12 January 2022. https://www.ranepa.ru/ciir/sfery-issledovanij/gruppa-dvadtsati/dokumenty-gruppy-dvadtsati/saudovskoe-predsedatelstvo-2020/G20%20Riyadh%20Summit%20Leaders%20Declaration_EN.pdf

At the 2021 Rome Summit, G20 leaders made a commitment to "pursue our efforts to enhance innovation in digital and other health-related technologies, taking into account the need to protect personal health data."[3015]

Commitment Features

G20 leaders committed to pursue efforts to enhance innovation in digital and other health-related technologies, taking into account the need to protect personal health data. This commitment has two parts: enhancing innovation in digital and other health-related technologies and ensuring personal health data protection.

Part I: Enhancing innovation in digital and other health-related technologies

Health innovation refers to the aims to develop and deliver new or enhanced health policies, systems, products, technologies, services, and delivery methods to improve public health (WHO compendium of innovative health technologies).[3016]

Health technology refers to the application of organized knowledge and skills in the form of (medical) devices, medicines, vaccines, procedures, and systems developed to solve a health problem and improve quality of care and/or life (WHO compendium of innovative health technologies).[3017]

To comply with the first part of the commitment a G20 member should take action to promote and enhance the usage of innovative technologies in the health sector. Examples of such technologies can be found in the List of most important innovative health technologies in the WHO compendium of innovative health technologies[3018], but are not limited to it.

Examples of actions G20 members can take to comply with this part of the commitment include following actions: building the physical infrastructure; deploying appropriate services and applications; developing a capable health workforce; ensuring a sound legal and regulatory environment; improving governance, policy, standardization and interoperability; promote accountability and justify the investment of funds.[3019]

Part II: Personal health data protection

Personal Data refers to any information relating to an identified or identifiable individual.[3020]

Personal health data refers to any information relating to an identified or identifiable individual concerning health.[3021]

To comply with the second part of the commitment a G20 member should take actions to ensure personal health data protection. These actions include but are not limited to: defining the specific legal basis for the data processing, considering the use of informed consent as a legal basis, using the vital interest basis only in exceptional cases if the public health intervention is to the direct benefit of data subjects, developing a privacy policy and publishing the policy on the website or via other means, using plain language that is accessible to lay

[3015] G20 Rome Summit Leaders' Declaration, RANEPA (Moscow) 30 October 2021. Access Date: 12 January 2022. https://www.ranepa.ru/ciir/sfery-issledovanij/gruppa-dvadtsati/dokumenty-gruppy-dvadtsati/italyanskoe-predsedatelstvo-2021/G20-ROME-LEADERS-DECLARATION.pdf

[3016] WHO compendium of innovative health technologies for low-resource settings, WHO (Geneva) 31 August 2021. Access Date: 12 January 2022. https://www.who.int/publications/i/item/9789240032507

[3017] WHO compendium of innovative health technologies for low-resource settings, WHO (Geneva) 31 August 2021. Access Date: 12 January 2022. https://www.who.int/publications/i/item/9789240032507

[3018] WHO compendium of innovative health technologies for low-resource settings, WHO (Geneva) 31 August 2021. Access Date: 12 January 2022. https://www.who.int/publications/i/item/9789240032507

[3019] Digital technologies: shaping the future of primary health care, WHO (Geneva) 2018. Access Date: 12 January 2022. https://www.who.int/docs/default-source/primary-health-care-conference/digital-technologies.pdf

[3020] The protection of personal data in health information systems – principles and processes for public health, WHO (Geneva) 2021. Access Date: 12 January 2022. https://apps.who.int/iris/bitstream/handle/10665/341374/WHO-EURO-2021-1994-41749-57154-eng.pdf

[3021] The protection of personal data in health information systems – principles and processes for public health, WHO (Geneva) 2021. Access Date: 12 January 2022. https://apps.who.int/iris/bitstream/handle/10665/341374/WHO-EURO-2021-1994-41749-57154-eng.pdf

people, working proactively with civil society to communicate data protection concepts and processes.[3022] More information on possible actions can be found in WHO's document "The protection of personal data in health information systems – principles and processes for public health."

To achieve full compliance, a G20 member should both promote the usage and development of innovations and digital technologies and take actions to ensure personal health data protection. Taking actions on only one part of the commitment will result in a score of partial compliance. If a G20 member fails to take action on any part of the commitment, it receives a score of non-compliance.

Scoring Guidelines

−1	G20 member has failed to take action on digital technology development in the health sector and protection personal health data
0	G20 member took measures to enhance innovation in digital and other health-related technologies OR to ensure personal health data protection
+1	G20 member took measures to BOTH enhance innovation in digital and other health-related technologies AND to ensure personal health data protection

Compliance director: Alexander Ignatov
Lead analyst: Irina Popova

Argentina: +1

Argentina has fully complied with the commitment to take actions on digital technology development in the health sector and protection personal health data.

On 8 November 2021, President Alberto Fernandez, participating in the closing event "Argentina 2030: challenges of science and technology," announced the creation of platform Science X Goals. This program provides an overview of the existing research developed by institutions of the scientific-technological and university system in Argentina, within the framework of the objectives set by the Economic and Social Council.[3023]

On 15 November 2021, the Inter-Agency Bureau for Research, Development and Production of Vaccines, Treatments, Diagnostics and Other Health Technologies has reaffirmed its commitment to establish a strategic policy framework for the research, development and production of new technologies that contribute to the diagnosis, treatment and control of COVID-19 coronavirus in the country.[3024]

On 16 November 2021, Minister of Health Carla Vizzotti unveiled a new mobile application "Salud-ENT." The application allows health teams to access in a simple and dynamic way to clinical practice guidelines and other key content for the prevention and control of Non-Communicable Diseases (NCDs), and information on their risk factors.[3025]

On 16 November 2021, the government established a designated ministerial bureau to "formulate public policies contributing to the formulation of national policies aimed at mitigating the effects of COVID-19, promoting scientific and technological production and strengthening the capacity of the productive sector."

[3022] The protection of personal data in health information systems – principles and processes for public health, WHO (Geneva) 2021. Access Date: 12 January 2022. https://apps.who.int/iris/bitstream/handle/10665/341374/WHO-EURO-2021-1994-41749-57154-eng.pdf
[3023] Developing science and technology for sovereignty, Casa Rosada Presidency (Buenos Aires) 8 November 2021. Access Date: 3 March 2022. https://www.casarosada.gob.ar/slider-principal/48221-el-presidente-alberto-fernandez-ratifico-su-voluntad-de-desarrollar-la-ciencia-y-la-tecnologia-para-ser-soberanos
[3024] The inter-ministerial commission that will be in charge of carrying out national vaccine production projects, Ministry of Health (Buenos Aires) 15 November 2021. Date: 2 March 2022. https://www.argentina.gob.ar/noticias/el-presidente-recibio-la-comision-interministerial-que-se-encargara-de-llevar-adelante
[3025] A mobile application for the control of non-communicable diseases, Ministry of Health (Buenos Aires) 16 November 2021. Access Date: 2 March 2022. https://www.argentina.gob.ar/noticias/salud-lanzo-una-aplicacion-movil-para-el-control-de-enfermedades-no-transmisibles

The information regarding the new governmental body was published in the Official Gazette, pursuant to resolution 5/2021.[3026]

On 19 November 2021, on the sidelines of the XLIX Ordinary Meeting of the Ministers of Health of MERCOSUR member countries, the Ministers of Health of Argentina, Brazil, Paraguay and Uruguay signed an agreement to establish "a special Committee to promote regional manufacturing capacity for medicines, immunizers and health technologies."[3027]

On 3 December 2021, President Fernandez announced the launch of a digital version of the single disability certificate to "facilitate access to a key tool for empowerment and administrative simplification."[3028]

On 6 December 2021, Minister Vizzotti signed a draft ministerial resolution on the creation of an Argentinean network to monitor resistance to pesticides used in public health. The aim is to establish a scientific and technical council to facilitate interaction between the scientific and technical sector and public decision-making bodies.[3029]

On 13 December 2021, the Ministry of Health under the Public Health Sector Support Programme II (PROSEPU II) considered supplying equipment to 15 hospitals in the country and planning future investments in diagnostic equipment and ambulances. The loan is granted within the framework of cooperation with the Government of Italy to ensure quality health care for the population of Argentina.[3030]

On 16 December 2021, the Ministry of Health and Science, Technology and Innovation initiated a series of training courses on digital transformation to promote use of new technologies to provide more accessible and quality health services to the population. During the conference the digital health transformation strategies for inclusion were presented.[3031]

On 24 January 2022, Minister Vizotti took part in in the opening of the 150th meeting of the Executive Board of the World Health Organization (WHO), stressed the importance of strengthening local and regional production of health products and technologies to prevent inequities in access to medicines, vaccines and essential resources during health emergencies. Argentina together with Brazil and South Africa, presented a draft decision extending to 2030 the implementation of the Global Strategy and Plan of Action on Public Health, Innovation and Intellectual Property.[3032]

On 24 January 2022, the government unveiled further policy actions designed as to provide connectivity to hard-to-reach Primary Health Care Centers. The advent of the internet service will allow 1822 health centers in

[3026] Progress in the national production of the COVID-19 vaccine, Ministry of Health (Buenos Aires) 25 November 2021. Access Date: 1 March 2022. https://www.argentina.gob.ar/noticias/el-presidente-expreso-su-orgullo-por-nuestra-ciencia-y-tecnologia-en-una-nueva-reunion-de

[3027] Ad Hoc Committee to promote the expansion of regional capacity to produce strategic inputs, Ministry of Health (Buenos Aires) 19 November 2021. Access Date: 2 March 2022. https://www.argentina.gob.ar/noticias/mercosur-creara-un-comite-ad-hoc-para-promover-la-expansion-de-la-capacidad-regional-para

[3028] Single Disability Certificate will become valid, Casa Rosada Presidency (Buenos Aires) 3 December 2021. Access Date: 3 March 2022. https://www.casarosada.gob.ar/slider-principal/48221-el-presidente-alberto-fernandez-ratifico-su-voluntad-de-desarrollar-la-ciencia-y-la-tecnologia-para-ser-soberanos

[3029] The Argentine Network for the Surveillance of Resistance to Pesticides, Ministry of Health (Buenos Aires) 13 December 2021. Access Date: 5 March 2022. https://www.argentina.gob.ar/noticias/se-crea-la-red-argentina-de-vigilancia-de-la-resistencia-los-plaguicidas-de-uso-en-salud

[3030] Health presented progress on the Public Health Sector Support Programme II, Ministry of Health (Buenos Aires) 13 December 2021. Access Date: 21 February 2022. https://www.argentina.gob.ar/noticias/salud-presento-los-avances-del-programa-de-apoyo-al-sector-sanitario-publico-ii

[3031] Information systems and strategies for their implementation, Ministry of Health (Buenos Aires) 16 December 2021. Access Date: 22 February 2022. https://www.argentina.gob.ar/noticias/los-sistemas-de-informacion-y-las-estrategias-para-su-implementacion-ejes-de-un-encuentro

[3032] Argentina's commitment to global and equitable access to health, Ministry of Health (Buenos Aires) 24 January 2022. Access Date: 5 March 2022. https://www.argentina.gob.ar/noticias/frente-al-consejo-consultivo-de-la-oms-vizzotti-renovo-en-ginebra-el-compromiso-de

19 jurisdictions to be able to perform teleconsultations. The centers would also be able to integrate with health information systems.[3033]

On 28 January 2022, President Fernandez led the signing of two projects worth a total of ARS210 million for health and infrastructure with the European Investment Bank.[3034]

On 23 February 2022, Minister Vizotti has taken virtual part in WHO conference to announce that Synergium Biotech, an Argentinean biopharmaceutical company, has been selected by an international body as the centre for the development of RNA vaccines against COVID-19 for the Americas region.[3035]

On 28 March 2022, Minister of Science Daniel Filmus announced an investment of ARS575.1 million for equipment, infrastructure works and the incorporation of human resources to increase and strengthen capacities for the provision of strategic technological services, with a counterpart contribution of ARS311.1 million. In addition, Minister Filmus announced the launch of the CANDID#1 vaccine production plant against Argentine hemorrhagic fever.[3036]

On 30 March 2022, Minister Filmus announced the start of clinical safety trials of the Argentinean "ARVAC Cecilia Grierson" vaccine on humans.[3037]

On 25 April 2022, President Fernandez launched "Federal Strategy for a Comprehensive Solution to Mental Health Problems," which will seek to guarantee mental health care and attention at all stages of life, increase the training of human resources in the area, and provide devices for outpatient care and labor insertion. This initiative anticipates an investment of ARS7.7 billion.[3038]

On 30 April 2022, the Ministry of Health through ministerial resolution 844/2022 created the National Programme of Community Health, with the aim of strengthening the strategy of primary health care as a state policy, guaranteeing universal, equitable and quality access to the entire population.[3039]

[3033] The national government will provide connectivity to hard-to-reach Primary Health Care Centres, Ministry of Health (Buenos Aires) 24 January 2022. Access Date: 5 March 2022. https://www.argentina.gob.ar/noticias/el-gobierno-nacional-brindara-conectividad-centros-de-atencion-primaria-de-la-salud-de

[3034] Projects for health and infrastructure with the European Investment Bank, Ministry of Health (Buenos Aires) 28 January 2022. Access Date: 21 February 2022. https://www.argentina.gob.ar/noticias/el-presidente-firmo-dos-proyectos-por-us-210-millones-para-salud-e-infraestructura-con-el

[3035] Technology transfer for the production of mRNA vaccines in the country, Ministry of Health (Buenos Aires) 23 February 2022. Access Date: 1 March 2022. https://www.argentina.gob.ar/noticias/vizzotti-diserto-junto-al-director-de-la-oms-sobre-transferencia-tecnologica-para-la

[3036] Support of $1 billion to strengthen the capacities of the National Institute of Human Viral Diseases (INEVH), Ministry of Science, Technology and Innovation (Buenos Aires) 28 March 2022. Access Date: 17 June 2022. https://www.argentina.gob.ar/noticias/apoyo-de-1000-millones-para-fortalecer-las-capacidades-del-instituto-nacional-de

[3037] Filmus and Vizzotti announced the start of human clinical trials of the national vaccine "ARVAC Cecilia Grierson", Ministry of Science, Technology and Innovation (Buenos Aires) 30 March 2022. Access Date: 17 June 2022. https://www.argentina.gob.ar/noticias/filmus-y-vizzotti-anunciaron-el-comienzo-de-los-ensayos-clinicos-en-personas-de-la-vacuna

[3038] The President launched the Federal Strategy for a Comprehensive Approach to Mental Health, Casa Rosada Presidency (Buenos Aires) 25 April 2022. Access Date: 17 June 2022 https://www.casarosada.gob.ar/slider-principal/48682-el-presidente-puso-en-marcha-la-estrategia-federal-de-abordaje-integral-de-la-salud-mental

[3039] The Ministry of Health created the National Community Health Programme, Ministry of Health (Buenos Aires) 30 April 2022. Translation provided by DeepL Translate. Access Date: 17 June 2022. https://www.argentina.gob.ar/noticias/el-ministerio-de-salud-creo-el-programa-nacional-de-salud-comunitaria

On 10 May 2022, the National Ministry of Health established a joint working group with the aim of carrying out epidemiological monitoring and in-depth analysis of suspected cases of severe acute hepatitis of unknown origin in the paediatric population.[3040]

On 17 June 2022, Minister Vizotti signed a joint ministerial resolution for the creation of the Permanent Commission of Work and Technical Assistance for the Implementation of the Standards of Public and Private Mental Health Services. The commission aims to work together with the country's 24 jurisdictions in the development of standards for licensing, supervision, accreditation, certification, monitoring, auditing, oversight and evaluation of public and private mental health services.[3041]

Argentina has taken strong actions in both enhancing innovation in digital technologies and personal health data protection. The Government established a strategic policy framework for the research, development and production of new technologies, contributing to the diagnosis, treatment and control of COVID-19 coronavirus. In this regard, Government launches clinical safety trial of Argentine vaccine, inaugurates a series of training courses on digital transformation to promote the use of new technologies to provide more accessible and quality health services to the population. Argentina actively develops strategies to tackle mental health problems comprehensively, adopts national public health programmes, establishes committees on work and technical assistance to implement standards for public and private mental health services.

Thus, Argentina receives a score of +1.

Analyst: Elena Alekseeva

Australia: 0

Australia has partially complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 16 December 2021, the government announced that temporary telehealth services introduced during the COVID 19 pandemic would become permanent and available for all citizens. The sum of AUD106 million would be spent over next 4 years to support this aspiration.[3042]

On 10 January 2022, the government allocated AUD63.4 million for 27 research projects on rare cancers and other rare diseases. The allocated sum is said to accelerate clinical trial activity and support new high quality research.[3043]

On 14 January 2022, the government announced that it would invest AUD21.8 million to support implementation of medical innovations and prominent researchers creating solutions for cardiovascular diseases and diabetes treatment.[3044]

[3040] Working group to monitor severe acute hepatitis of unknown origin, Ministry of Health (Buenos Aires) 10 May 2022. Translation provided by DeepL Translate. Access Date: 17 June 2022. https://www.argentina.gob.ar/noticias/salud-conformo-una-mesa-de-trabajo-junto-sociedades-cientificas-para-el-seguimiento-de-la

[3041] Commission for the implementation of mental health services standards, Ministry of Health (Buenos Aires) 17 June 2022. Translation provided by DeepL Translate. Access Date: 17 June 2022. https://www.argentina.gob.ar/noticias/vizzotti-y-soria-crearon-mediante-una-resolucion-conjunta-una-comision-para-la

[3042] Permanent telehealth for all Australians, Australian Government Department of Health (Canberra) 16 December 2021. Access Date: 30 March 2022. https://www.health.gov.au/news/permanent-telehealth-for-all-australians

[3043] $63.4 million for rare cancers and rare diseases research, Ministers Department of Health (Canberra) 10 January 2022. Access Date: 31 March 2022. https://www.health.gov.au/ministers/the-hon-greg-hunt-mp/media/634-million-for-rare-cancers-and-rare-diseases-research

[3044] $21.8 million to turn medical research into better patient care, Ministers Department of Health (Canberra) 14 January 2022. Access Date: 31 March 2022. https://www.health.gov.au/ministers/the-hon-greg-hunt-mp/media/218-million-to-turn-medical-research-into-better-patient-care

On 8 February 2022, the Government announced its intention to invest AUD24 million to improve healthcare services. The allocated sum would be granted through the Medical Research Future Fund.[3045] The Fund's Ten Years Emerging Priorities and Consumer Driven Research initiative that the abovementioned program is a part to is said to accelerate translation of innovations in day-to-day practice and encourage researchers to cooperate closer with consumers.[3046]

On 29 March 2022, the Government presented the Health Budget for 2022-2023 period. The budget includes AUD512 million spendings on providing universal access to telehealth services.[3047]

Australia has taken steps to promote digital innovations in health-related matters, but no action aimed at ensuring better personal health data protection has been found.

Thus, Australia receives a score of 0.

Analyst: Alexander Ignatov

Brazil: +1

Brazil has fully complied with the commitment to enhance innovation in digital and other health-related technologies, taking into account the need to protect personal health data.

On 19 November 2021, on the sidelines of the XLIX Ordinary Meeting of the Ministers of Health of MERCOSUR member countries, the Ministers of Health of Brazil, Argentina, Paraguay and Uruguay signed an agreement to establish "a special Committee to promote regional manufacturing capacity for medicines, immunizers and health technologies."[3048]

On 29 November 2021, the Department of Management and Incorporation of Technologies and Innovation in Health in partnership with the National Council for Scientific and Technological Development opened a public call for projects for Innovation in Methods and Application of Technology Assessment in Health in Brazil. The selected projects will have a maximum funding amount of BRL 500,000 and a minimum amount of BRL50,000.[3049]

On 3 December 2021, the Ministry of Health presented the publication "The use of cost-effectiveness thresholds in health decisions: proposal for the incorporation of technologies in the Unified Health System." The publication provides the necessary context for the adoption of cost-effectiveness as a criterion for decisions on the incorporation of technologies in the Unified Health System.[3050]

[3045] Support for research to reduce pressure on emergency departments, Australian Government Department of Health (Canberra) 8 February 2022. Access Date: 30 March 2022. https://www.health.gov.au/news/support-for-research-to-reduce-pressure-on-emergency-departments

[3046] Emerging Priorities and Consumer-Driven Research initiative, Australian Government Department of Health (Canberra). Access Date: 30 March 2022. https://www.health.gov.au/initiatives-and-programs/emerging-priorities-and-consumer-driven-research-initiative

[3047] Budget 2022–23: Budget at a glance, Australian Government Department of Health (Canberra) 29 March 2022. Access Date: 30 March 2022. https://www.health.gov.au/resources/publications/budget-2022-23-budget-at-a-glance

[3048] Ad Hoc Committee to promote the expansion of regional capacity to produce strategic inputs, Ministry of Health (Buenos Aires) 19 November 2021. Access Date: 2 March 2022. https://www.argentina.gob.ar/noticias/mercosur-creara-un-comite-ad-hoc-para-promover-la-expansion-de-la-capacidad-regional-para

[3049] Open call on Innovation in Methods and Application of Health Technology Assessment in Brazil, National Commission For The Incorporation Of Technologies Into The Single Health System (CONITEC) (Brasilia) 29 December 2021. Translation provided by the analyst. Access Date: 4 April 2022. http://conitec.gov.br/chamada-aberta-em-inovacao-em-metodos-e-aplicacao-da-avaliacao-de-tecnologias-em-saude-no-brasil

[3050] Ministry of Health launches publication on the use of cost-effectiveness thresholds in health decisions, National Commission For The Incorporation Of Technologies Into The Single Health System (CONITEC) (Brasilia) 3 December 2021. Translation provided by the analyst. Access Date: 4 April 2022. http://conitec.gov.br/ministerio-da-saude-lanca-publicacao-sobre-o-uso-de-limiares-de-custo-efetividade-nas-decisoes-em-saude.

On 4 January 2022, law No. 14,289 entered into force. It ensures secrecy about the condition of people infected with the HIV virus and chronic hepatitis. The measure also covers people with leprosy or tuberculosis. Secrecy is mandatory within the scope of health services, educational establishments, workplaces, public administration, public security, judicial proceedings and written and audiovisual media. The measure is clear in explaining that care in health services, public or private, will be organized in a way that does not allow the general public to identify the condition of the person who lives with one of these diseases.[3051]

On 27 January 2022, a project developed by the Executive Secretariat of National Commission For The Incorporation Of Technologies Into The Single Health System (Conitec), Conass and Hospital Moinhos de Ventos (HMV) which seeks to establish the process of evaluating health technologies in state departments and in the Federal District was presented in Brazil. The project's aim is to institutionalize the assessment of health technologies in the secretariats, strengthening the culture of management based on scientific evidence among state and municipal health managers.[3052]

On 7 February 2022, the National Health Council approved a recommendation for the Ministry of Health to improve the National Health Information and Informatics Policy and include civil society in the debate on digital health. The policy was drawn up after the Minister of Health, Marcelo Queiroga, announced on January 19 his intentions to promote a platform for sharing data and health information in the supplementary sector, Open Health. The platform would consist of the possibility for users of private plans to authorize their personal health data to be shared between companies in the sector to offer personalized products.[3053]

On 23 February 2022, the government presented a new ATS Education Project – ProadiSUS. The proposal promotes the training of professionals working in the health system to promote evidence-based and scientific methodology for the development of projects, in order to provide technical capacity for the production and critical analysis of scientific evidence, necessary for the process of incorporation of health technologies and the planning of public policies in the SUS.[3054]

On 22 March 2022, the BRICS Vaccine research center was opened. The opening ceremony was held online. Proposed in 2018, the center is said to promote exchanges and cooperation on vaccine research and development and testing along with mutual recognition of standards and building-up cooperation plans on the matter.[3055]

On 14 June 2022, incorporation of the General Data Protection Law became be the subject of a webinar held by the Ministry of Health. The event was aimed at public officials, but was open to anyone who wanted to follow and will bring reports of experiences from the Health Surveillance Secretariat and the Center for Integration of Data and Knowledge for Health (Cidacs/Fiocruz). The meeting aimed to learn about the legislation regarding the protection of personal data, present successful experiences in the implementation of

[3051] New law guarantees confidentiality to people living with HIV, chronic hepatitis, tuberculosis and leprosy, Brazilian Ministry of Health (Brasilia) 4 January 2022. Translation provided by the analyst. Access Date: 4 April 2022. https://www.gov.br/saude/pt-br/assuntos/noticias/2022/janeiro/nova-lei-garante-sigilo-a-portadores-de-hiv-hepatites-cronicas-tuberculose-e-hanseniase.
[3052] Strengthening the SUS: partnership for evidence-based health management, National Commission For The Incorporation Of Technologies Into The Single Health System (CONITEC) (Brasilia) 23 February 2022. Translation provided by the analyst. Access Date: 4 April 2022. http://conitec.gov.br/fortalecimento-do-sus-parceria-por-uma-gestao-de-saude-baseada-em-evidencias.
[3053] Open Health: CNS demands transparency and inclusion of society in the debate on data sharing from Health, National Health Council of Brazil (Brasilia) 7 February 2022. Translation provided by the analyst. Access Date: 4 April 2022. http://conselho.saude.gov.br/ultimas-noticias-cns/2324-open-health-cns-cobra-da-saude-transparencia-e-inclusao-da-sociedade-em-debate-sobre-compartilhamento-de-dados.
[3054] ATS Education Project – ProadiSUS will include states in the health technology assessment process, National Commission For The Incorporation Of Technologies Into The Single Health System (CONITEC) (Brasilia) 23 February 2022. Translation provided by the analyst. Access Date: 4 April 2022. http://conitec.gov.br/ultimas-noticias-3/projeto-ats-educacao-proadisus-vai-inserir-estados-no-processo-de-avaliacao-de-tecnologias-em-saude.
[3055] BRICS nations launch vaccine R&D center, Xinhua (Beijing) 23 March 2022. Access Date: 4 April 2022. https://english.news.cn/20220323/4fbc4b155f9545acaefd20cbbd035331/c.html

the law by Cidacs/Fiocruz in the state of Bahia and by the Department of Health Analysis and Surveillance of Non-Communicable Diseases (DASNT/SVS/MS).[3056]

Brazil took measures to both enhance innovation in digital and other health-related technologies and to ensure personal health data protection.

Thus, Brazil receives a score of +1.

Analyst: Irina Popova

Canada: 0

Canada has partially complied with the commitment to enhance innovation in digital and other health-related technologies, taking into account the need to protect personal health data.

On 8 November 2021, the Canadian Centre for Occupational Health and Safety (CCOHS) developed a free online course to help different types of organizations located in Canada raise awareness and recognize the importance of psychological health and safety in the workplace. Psychological Health and Safety Awareness online course provides an introduction to mental health in the workplace including an overview of the six categories of psychosocial factors and how they impact the mental health of people.[3057]

On 29 November 2021, the CCOHS released two free online courses to help workplace managers and employees prepare for a safe return to work during the COVID-19 pandemic.[3058]

On 8 December 2021, the CCOHS launched a free online course designed to help workplaces better understand and respond to the impact of stigma against people who use substances. Substance Use in the Workplace: Addressing Stigma course explains what stigma and discrimination are, how stigma can affect a person's care, how to address concerns without using language or behaviors stigma, and what steps to take to talk to others.[3059]

On 16 December 2021, Minister of Health Jean-Yves Duclos announced that a Canada-Quebec agreement had been reached for the provision of virtual health services in the context of the COVID-19 pandemic. Thanks to this agreement, Quebec is receiving more than CAD28 million to expand its range of virtual health care services. Quebec will invest the federal funds through two initiatives:

A Virtual Ophthalmology Solution which uses artificial intelligence to detect and treat diabetic retinopathy in patients with type 2 diabetes;

A Virtual Care and Services Platform to manage and integrate requests for all types of teleconsultations in Quebec[3060].

[3056] Incorporation of the General Data Protection Law will be the subject of a webinar, Brazilian Government (Brasilia) 14 June 2022. Translation provided by the analyst. Access Date: 20 June 2022. https://www.gov.br/saude/pt-br/assuntos/noticias/2022/junho/incorporacao-da-lei-geral-de-protecao-de-dados-sera-tema-de-webinar.
[3057] Online Course Shines a Spotlight on Mental Health in the Workplace, Government of Canada (Hamilton) 8 November 2021. Access Date: 20 February 2022 https://www.canada.ca/en/centre-occupational-health-safety/news/2021/11/online-course-shines-a-spotlight-on-mental-health-in-the-workplace.html
[3058] Online Courses Provide Guidance on Safe Return to Work During COVID-19 Pandemic, Government of Canada (Hamilton) 29 November 2021. Access Date: 20 February 2022 https://www.canada.ca/en/centre-occupational-health-safety/news/2021/11/online-courses-provide-guidance-on-safe-return-to-work-during-covid-19-pandemic.html
[3059] Online Course Raises Awareness About Substance Use and Stigma in the Workplace, Government of Canada (Hamilton) 8 December 2021. Access Date: 20 February https://www.canada.ca/en/centre-occupational-health-safety/news/2021/12/online-course-raises-awareness-about-substance-use-and-stigma-in-the-workplace.html
[3060] Government of Canada invests more than $28 million to support the funding of virtual health care services in Quebec, Government of Canada (Ottawa) 16 December 2021. Access Date: 20 February 2022 https://www.canada.ca/en/health-canada/news/2021/12/government-of-canada-invests-more-than-28-million-to-support-the-funding-of-virtual-health-care-services-in-quebec.html

On 17 December 2021, Minister of Innovation, Science and Industry François-Philippe Champagne announced the launch of the consultation on a policy and licensing framework for spectrum in the 3800 megahertz band to support 5G deployment and promote competition in the wireless market. The licensing of spectrum in the 3800 megahertz band will enable the deployment of new technologies, which will help create new jobs and better products and services for the citizens of Canada. The main purpose of the consultation is to collect and summarize opinions on certain important factors, such as the requirements relating to the freed portions of the spectrum that should be imposed on licensees, the guidelines for the auction framework to support competition within the wireless market and some additional provisions to support Canada's Connectivity Strategy.[3061]

On 4 March 2021, in an effort to better understand the impact of the COVID-19 pandemic on equity seeking communities Minister Duclos, Minister of Mental Health and Addictions Carolyn Bennett, and Minister for Women and Gender Equality and Youth Marci Ien announced that the government would invest CAD26.3 million in 69 new research projects across the country. These projects will focus on the impact of the pandemic on Indigenous, Black, and racialized communities, as well as children and youth, and people living with HIV, mental illness, and chronic health conditions. For example, Dr. Josephine Etowa at the University of Ottawa will work to strengthen the capacity of health care providers to reduce the impact of COVID-19 on Black communities. Also, Dr. Helen-Maria Vasiliadis at Université de Sherbrooke will study ways to help people living with social anxiety disorder during the pandemic.[3062]

On 8 March 2022, to address the gendered impacts of COVID-19, the International Development Research Centre, the Institutes of Health Research and the Social Sciences and Humanities Research Council launched Women RISE (Women's health and economic empowerment for a COVID-19 Recovery that is Inclusive, Sustainable and Equitable), a CAD22 million research initiative. Women RISE will support global action-oriented, gender-transformative research on how women's health and their work, whether paid or unpaid, intersect and interact in the preparation for, response to and recovery from COVID-19. Under the initiative, teams of researchers from low- and middle- income countries and Canada will inform solutions and strategies to improve women's health and socioeconomic well-being throughout the recovery from COVID-19.[3063]

On 17 March 2022, Minister Duclos announced an investment of CAD16.1 million in funding and in-kind contributions from the Government of Canada and the provincial governments of New Brunswick, Nova Scotia, and Prince Edward Island to support the work of a Maritime hub for patient-oriented research. Known as the Maritime SPOR SUPPORT Unit, it has played an important role building regional capacity in patient-oriented research since 2013.[3064]

On 31 March 2022, Minister Duclos and Minister Bennett announced an investment of CAD31.1 million over six years for the Health Research Training Platform (HRTP). The HRTP consists of 13 unique training programs that bring together researchers from different hospitals and universities, with a view to increase Canada's capacity to conduct research on specific disease areas and health challenges. This will help trainees and early career researchers develop skills that will increase their employability and set them up for success in

[3061] Government of Canada launches consultation to ensure Canadians have access to high-quality wireless services, Government of Canada (Ottawa) 17 December 2021. Access Date: 20 February 2022 https://www.canada.ca/en/innovation-science-economic-development/news/2021/12/government-of-canada-launches-consultation-to-ensure-canadians-have-access-to-high-quality-wireless-services.html

[3062] New investments for COVID-19 impact research will support an equitable pandemic recovery for all Canadians, Government of Canada (Ottawa) 4 March 2021. Access Date: 18 June 2022 https://www.canada.ca/en/institutes-health-research/news/2022/03/new-investments-for-covid-19-impact-research-will-support-an-equitable-pandemic-recovery-for-all-canadians.html

[3063] Women RISE Initiative Launches on International Women's Day: Canada invests in research to ensure an equitable COVID-19 recovery, Government of Canada (Ottawa) 8 March 2021. Access Date: 18 June 2022 https://www.canada.ca/en/institutes-health-research/news/2022/03/women-rise-initiative-launches-on-international-womens-day-canada-invests-in-research-to-ensure-an-equitable-covid-19-recovery.html

[3064] The Government of Canada and Maritime provinces put patients first with new investment, Government of Canada (Ottawa) 17 March 2021. Access Date: 18 June 2022 https://www.canada.ca/en/institutes-health-research/news/2022/03/the-government-of-canada-and-maritime-provinces-put-patients-first-with-new-investment.html

careers that span academia and beyond. Participants will have access to diverse, high-quality mentors and training that builds their academic and professional development skills, such as in grant writing, project management, science communication, interdisciplinary research, open science, and knowledge mobilization.[3065]

On 21 April 2022, Minister Bennet announced an investment of CAD2 million for research that will inform policies and interventions to reduce alcohol-related harms in Canada. The government, through the Canadian Institutes of Health Research, and in partnership with the Canadian Cancer Society, would fund 20 research projects that will evaluate policies, programs and practices that regulate alcohol and that have the potential to impact health.[3066]

On 3 May 2022, Parliamentary Secretary to the Minister of Health Adam van Koeverden announced funding of CAD5 million to support a new national research network that will focus on improving the prevention, diagnosis, treatment, and care of heart failure across the country. The network will be grounded in a partnership involving patients and caregivers, health professionals, and health care system experts. In addition to promoting evidence-based care for patients and improving their quality of life, the network will also study ways to better integrate caregivers and technology into the recovery process and expand hospitals' capacity to provide care from start to finish.[3067]

On 13 May 2022, Parliamentary Secretary to the Minister of Mental Health, Addictions and Associate Minister of Health and Member of Parliament for Sherbrooke Élisabeth Brière, announced funding of nearly CAD200,000 for two research projects that will be led by researchers at Université de Sherbrooke. The projects will provide evidence to inform interventions to prevent serious harms related to alcohol use and support Canadians experiencing issues with alcohol use, which is the most commonly used substance in the country. While its consumption is legal and socially acceptable, alcohol use causes significant harm to the health and safety of Canadians and can aggravate societal problems such as homelessness.[3068]

On 6 June 2022, Andy Fillmore, Member of Parliament for Halifax and Parliamentary Secretary to the Minister of Innovation, Science and Industry, announced, on behalf of Minister Duclos, an investment from the government of CAD1.5 million from the Canadian Institutes of Health Research for three projects in Nova Scotia focused on studying the wider health impacts of the pandemic on children with complex health needs, women who experienced increased violence, and equity-deserving communities.[3069]

Canada has taken measures to enhance innovation in digital and other health-related technologies, but no action to ensure personal health data protection has been found within the monitoring period.

[3065] Government of Canada invests more than $31M in the next generation of health researchers, Government of Canada (Ottawa) 31 March 2021. Access Date: 18 June 2022 https://www.canada.ca/en/institutes-health-research/news/2022/03/government-of-canada-invests-more-than-31m-in-the-next-generation-of-health-researchers.html
[3066] The Government of Canada and the Canadian Cancer Society invest in research to inform policies and interventions to reduce alcohol-related harms, Government of Canada (Ottawa) 21 April 2021. Access Date: 18 June 2022 https://www.canada.ca/en/institutes-health-research/news/2022/04/the-government-of-canada-and-the-canadian-cancer-society-invest-in-research-to-inform-policies-and-interventions-to-reduce-alcohol-related-harms.html
[3067] Government of Canada invests in new pan-Canadian national heart failure research network, Government of Canada (Ottawa) 3 May 2021. Access Date: 18 June 2022 https://www.canada.ca/en/institutes-health-research/news/2022/05/government-of-canada-invests-in-new-pan-canadian-national-heart-failure-research-network.html
[3068] Researchers at Université de Sherbrooke receive funding for new projects to help reduce the harmful effects of alcohol use, Government of Canada (Ottawa) 13 May 2021. Access Date: 18 June 2022 https://www.canada.ca/en/institutes-health-research/news/2022/05/researchers-at-universite-de-sherbrooke-receive-funding-for-new-projects-to-help-reduce-the-harmful-effects-of-alcohol-use.html
[3069] Researchers in Nova Scotia receive federal funding to address the wider health impacts of COVID-19 on Canadians, Government of Canada (Ottawa) 6 June 2021. Access Date: 18 June 2022 https://www.canada.ca/en/institutes-health-research/news/2022/06/researchers-in-nova-scotia-receive-federal-funding-to-address-the-wider-health-impacts-of-covid-19-on-canadians.html

Thus, Canada receives a score of 0.

Analyst: Nikita Shilikov

China: +1

China has fully complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 1 November 2021, the law on protecting online user data privacy came into force in China. The law states that handling of personal information shall be limited to the minimum scope necessary to achieve the goals of handling data. According to the law, "sensitive personal information refers to the personal information that can easily lead to the infringement of the personal dignity of natural persons or the harm of personal or property safety once leaked or illegally used, including such information as biometrics, religious belief, specific identities, medical health." Sensitive personal information, including that on health, is subject to additional requirements for processing.[3070]

On 28 December 2021, China unveiled a development plan for the medical equipment sector during the 14th Five-Year Plan period (2021-2025). The plan will help accelerate the integration of information technology into the medical equipment industry by 2025, create medical robots and digital health platforms. The plan, jointly released by 10 government departments, also details measures to develop medical equipment to support community-based elderly care.[3071]

On 22 March 2022, the BRICS Vaccine research center was opened. The opening ceremony was held online. Proposed in 2018, the center is said to promote exchanges and cooperation on vaccine research and development and testing along with mutual recognition of standards and building-up cooperation plans on the matter.[3072]

China has taken measures both to enhance innovation in digital and other health-related technologies and to ensure personal health data protection.

Thus, China receives a score of +1.

Analyst: Andrey Shelepov

France: 0

France has partially complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 15 December 2021, Prime Minister Jean Castex, accompanied by Olivier Véran, Minister for Solidarity and Health, Frédérique Vidal, Minister for Higher Education, Research and Innovation, Agnès Pannier-Runacher, Minister Delegate for Industry, attended the inauguration of the ParisSanté Campus. During this event, Prime Minister Castex set up the monitoring committee, drew up an inventory of the deployment of the measures of the 2030 Health Innovation plan announced by the President of the Republic and inaugurated the PariSanté Campus intended to increase technological sovereignty and the international influence of France in terms of health. The Prime Minister announced the establishment of a Health Innovation Agency that will provide France with a strategy and objectives to be achieved in the short- and long-term, at the beginning of 2022. It will also act as a one-stop shop for innovators, to speed up the time to market for new products. PariSanté

[3070] China passes new personal data privacy law, to take effect Nov. 1, Reuters (Beijing) 20 August 2021. Access Date: 1 April 2022. https://www.reuters.com/world/china/china-passes-new-personal-data-privacy-law-take-effect-nov-1-2021-08-20/.
[3071] China releases development plan for medical equipment industry, National Health Commission of the People's republic of China (Beijing) 29 December 2021. Access Date: 1 April 2022. http://en.nhc.gov.cn/2021-12/29/c_85474.htm.
[3072] BRICS nations launch vaccine R&D center, Xinhua (Beijing) 23 March 2022. Access Date: 4 April 2022. https://english.news.cn/20220323/4fbc4b155f9545acaefd20cbbd035331/c.html

Campus is a facility for research, training, innovation and entrepreneurship in the field of digital health. This program launched by the President of the Republic on December 4, 2020, supported by France Relance, aims to create a coherent and synergistic set of public and private operators, with the ambition of structuring a dynamic system of research and innovation in digital health.[3073]

France has taken steps to promote digital innovations in health-related matters, but no action aimed at ensuring better personal health data protection has been found.

Thus, France receives a score of 0.

Analyst: Nikita Shilikov

Germany: +1

Germany has fully complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 24 November 2021, the government presented its coalition agreement. It reveals government plans for the period 2021-2025, in particular, establishing telemedicine services like video consultations, telemonitoring, online emergency services and electronic prescriptions on a more regular basis; providing better scientific use of health data in compliance with the General Data Protection Regulation and developing of a decentralized research data infrastructure under the Register Act (Registergesetz) and the Health Data Use Act (Gesundheitsdatennutzungsgesetz); and accelerating the electronic patient record.[3074]

Germany has taken measures both to enhance innovation in digital and other health-related technologies and to ensure personal health data protection.

Thus, Germany receives a score of +1.

Analyst: Andrey Shelepov

India: +1

India has fully complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 16 December 2021, the Joint Parliamentary Committee presented its report on the Personal Data Protection (PDP) Bill 2019 in both Houses of Indian Parliament. The committee highlighted that the PDP Bill should cover both personal and non-personal data till an additional framework is established to distinguish between them. According to the Bill, health data comes under the definition of sensitive personal data, providing greater responsibility on the data fiduciary.[3075]

On 26 February 2022, the government approved the national roll-out of the Ayushman Bharat Digital Mission (ABDM) with a budget of INR16 billion for five years. The National Health Authority (NHA) will be the implementing agency of the ABDM. The Mission aims to create a seamless online platform through the provision of a wide-range of data, information and infrastructure services, duly leveraging open, interoperable, standards-based digital systems while ensuring the security, confidentiality and privacy of health-related

[3073] Investing in the France of 2030: the Prime Minister inaugurates the PariSanté Campus and sets up the monitoring committee for the Innovation Health 2030 plan, Ministry of Solidarity and Health (Paris) 15 December 2021. Translation provided by Google Translate. Access Date: 20 February 2022 https://solidarites-sante.gouv.fr/actualites/presse/communiques-de-presse/article/investir-dans-la-france-de-2030-le-premier-ministre-inaugure-le-parisante

[3074] Daring More Progress. Alliance For Freedom, Justice And Sustainability, German Federal Government (Berlin) 10 December 2021. Access Date: 1 April 2022. https://www.bundesregierung.de/resource/blob/974430/1990812/04221173eef9a6720059cc353d759a2b/2021-12-10-koav2021-data.pdf.

[3075] What The JPC Report On The Data Protection Bill Gets Right And Wrong, The Wire (New Delhi) 20 December 2021. Access Date: 1 April 2022. https://thewire.in/tech/what-the-jpc-report-on-the-data-protection-bill-gets-right-and-wrong

personal information. Under the ABDM, people will be able to create their ABHA (Ayushman Bharat Health Account) numbers, to which their digital health records can be linked. This will enable creation of longitudinal health records for individuals across various healthcare providers and improve clinical decision-making by healthcare providers. The ABDM will improve equitable access to quality healthcare by encouraging use of technologies such as telemedicine and enabling national portability of health services.[3076]

On 22 March 2022, the BRICS Vaccine research center was opened. The opening ceremony was held online. Proposed in 2018, the center is said to promote exchanges and cooperation on vaccine research and development and testing along with mutual recognition of standards and building-up cooperation plans on the matter.[3077]

India has taken measures both to enhance innovation in digital and other health-related technologies and to ensure personal health data protection.

Thus, India receives a score of +1.

Analyst: Andrey Shelepov

Indonesia: 0

Indonesia has partially complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 16 December 2021, the Ministry of Health in partnership with the United Nations Development Programme launched the "Blueprint of Health Digital Transformation Strategy 2024. The blueprint aims to lay the ground for building enterprise architecture of health technology in Indonesia. It rests on key pillars such as a digital integration of health information on patients and health providers, as well as an integrated development of digital health infrastructure. The blueprint will also aid the Government of Indonesia accelerate its national goal to provide universal, affordable, equitable and quality care to all Indonesians, leveraging digital technologies.[3078]

On 7 January 2022, Indonesia conducted an investigation into a potential leak of information belonging to 6 million people, mostly Covid-19 patients, in what could be the third cyber data breach that hit the government within a year.[3079]

On 10 January 2022, the Ministry of Communication and Information (Kominfo) released, on 6 January 2022, a statement responding to an alleged breach of patient data managed by the Ministry of Health. In particular, Kominfo noted that it is communicating with the Ministry of Health to conduct further investigations in accordance with applicable laws and regulations. Furthermore, Kominfo confirmed that the Ministry of Health is also taking internal steps to respond to the alleged leak, including coordinating with the National Cyber and Encryption Agency.[3080]

On 18 February 2022, it was reported that the government was planning to patch loopholes in present regulations guiding the implementation of telemedicine in the country. Abetnego Tarigan, an official from the Presidential Staff Office, noted the need for more legal protection for telemedicine users as adoption has

[3076] Cabinet approves implementation of Ayushman Bharat Digital Mission with a budget of Rs.1,600 crore for five years, Press Information Bureau, Government of India (New Delhi) 26 February 2022. Access Date: 1 April 2022. https://pib.gov.in/PressReleasePage.aspx?PRID=1801322.

[3077] BRICS nations launch vaccine R&D center, Xinhua (Beijing) 23 March 2022. Access Date: 4 April 2022. https://english.news.cn/20220323/4fbc4b155f9545acaefd20cbbd035331/c.html

[3078] Indonesia launches a blueprint on digital health to expand inclusive health care coverage, UNDP (New York) 16 December 2021. Access Date: 31 March 2022. https://www.undp.org/indonesia/press-releases/indonesia-launches-blueprint-digital-health-expand-inclusive-health-care-coverage

[3079] Indonesia Investigates Third Possible Data Leak Within One Year, Bloomberg (USA) 7 January 2022. Access Date: 31 March 2022. https://news.bloomberglaw.com/privacy-and-data-security/indonesia-investigates-third-possible-data-leak-within-one-year

[3080] Indonesia: Kominfo responds to alleged Ministry of Health data breach, Data Guidance (USA) 10 January 2022. Access Date: 31 March 2022. https://www.dataguidance.com/news/indonesia-kominfo-responds-alleged-ministry-health-data

expanded during the ongoing pandemic. Tarigan noted that there are loopholes in these policies that should be addressed, including provisions on private data protection, the confidentiality of medical records that are shared between health facilities, and legal protection. The government official also said they are prepared to handle ethics violation, malpractice, fraud, moral hazard, and other cases surrounding the use of telemedicine.[3081]

On 25 April 2022, it was reported that Indonesia's Health Ministry called on young innovators to provide solutions for digital health ecosystem (particularly those based on industry 4.0 technologies such as artificial intelligence, the Internet of Things, biotechnology, etc.) and that during the Health Innovation Sprint Accelerator 2022 five best solutions out of 105 applications were showcased.[3082]

Indonesia has taken steps to promote digital innovations into healthcare, with significant problems remaining regarding personal health data protection.

Therefore, Indonesia receives a score of 0.

Analyst: Pavel Doronin

Italy: 0

Italy has partially complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 13 December 2021, the Ministry of Health under the Public Health Sector Support Programme II (PROSEPU II) considered supplying equipment to 15 hospitals in the country and planning future investments in diagnostic equipment and ambulances. The loan is granted within the framework of cooperation with the Government of Italy to ensure quality health care for the population of Argentina.[3083]

On 4 January 2022, the Ministry released the National Policy Strategy Act which focuses, among others, in advancing the "Predictive Model 2.0" project with the aim of strengthening data governance capacity by supporting the development of computational tools with high processing capabilities to build scenarios for health planning and prevention, and simulate their economic, health needs and lifestyle impacts. The plan also focuses on capacity building for central data collection, analysis and dissemination, while respecting citizens privacy.[3084]

On 9 May 2022, the Ministry of Health announced the creation of a network of technology transfer centers (NTT), as well as development of Life Science Hubs (LSH) territorially distributed in different parts of the country. These actions were aimed at creating an innovative health ecosystem through the creation of clinical-transnational research networks of excellence within the National Health Service. The funding allocated to these initiatives amounted to EUR100 million.[3085]

[3081] Roundup: Indonesia eyes legal protection for telemedicine users, 60 countries recognise Thailand's digital health pass and more briefs, HealthcareIT News (Australia) 18 March 2022. Access Date: 31 March 2022. https://www.healthcareitnews.com/news/asia/roundup-indonesia-eyes-legal-protection-telemedicine-users-60-countries-recognise

[3082] Gov't Seeks Young Innovators in Digital Health Ecosystem, Jakarta Globe 25 April 2022. Access Date: 20 June 2022. https://jakartaglobe.id/tech/govt-seeks-young-innovators-in-digital-health-ecosystem

[3083] Health presented progress on the Public Health Sector Support Programme II, Ministry of Health (Buenos Aires) 13 December 2021. Access Date: 21 February 2022. https://www.argentina.gob.ar/noticias/salud-presento-los-avances-del-programa-de-apoyo-al-sector-sanitario-publico-ii

[3084] Deed of Address for the year 2022, Il Ministro della Salute (Rome) 4 January 2022. Translation provided by the analyst. Access Date: 29 August 2022. https://www.salute.gov.it/portale/ministero/documenti/Atto_indirizzo_2022_DEFINITIVO.pdf

[3085] Public notice for the presentation of expressions of interest for the implementation of interventions to be funded under the "Innovative Health Ecosystem" initiative of the Complementary Plan to the National Recovery and Resilience Plan (PNC-E.3), Italian Ministry of Healthcare 9 May 2022. Translation provided by the analyst. Access Date: 21 June 2022. https://www.salute.gov.it/portale/ministro/p4_10_1_1_atti_1_1.jsp?lingua=italiano&id=308.

On 24 May 2022, the guidelines on "Digital Model for the implementation of home care" were published in the Official Gazette.[3086] These guidelines defined a reference model for the implementation of different telemedicine services in the home setting, through the identification of innovative processes for taking care of the patient at home and the enhancement of multiprofessional and multidisciplinary collaboration between different professionals.

Italy took action to enhance innovation in digital and other health-related technologies.

Thus, Italy receives a score of 0.

Analyst: Andrei Sakharov

Japan: +1

Japan has fully complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 2 November 2021, Japan rolled out ID authentication technology with facial recognition for health insurance access. This came in part of the government's digital transformation to streamline and expand access to public services. The government intends to widen the uptake of the My Number cards so citizens will no longer have to use multiple cards to tap into government services.[3087]

On 15 February 2022, the government that it would ease regulations for devices that use artificial intelligence (AI) with the emergence of AI-supported diagnosis and medical treatment that are expected to replace the competencies of creativity and ideation in the medical device industry. Japan had plans to ease regulations for AI-based devices. Subsequently, this is likely to empower the domestic medical device market, finds GlobalData, a leading data and analytics company.[3088]

On 18 March 2022, the Home Grown Solutions (HGS) Accelerator was now underway in collaboration between the Japan International Cooperation Agency and the African Union Development Agency. It is a program to support African companies that aim to address healthcare issues with home-grown products and services, leveraging the COVID-19 pandemic as an opportunity. Oikawa Takeshi of Boston Consulting Group, who is in charge of the operation of the HGS Accelerator as a project leader, explains above regarding how the program was conceived.[3089]

Japan has both taken actions to promote innovation into healthcare and to ensure personal health data.

Therefore, Japan receives a score of +1.

Analyst: Pavel Doronin

[3086] PNRR, in the Official Journal the guidelines "Digital model for the implementation of home care", Italian Ministry of Healthcare 24 May 2022. Translation provided by the analyst. Access Date: 21 June 2022. https://www.salute.gov.it/portale/news/p3_2_1_1_1.jsp?lingua=italiano&menu=notizie&p=dalministero&id=5896

[3087] Japan rolls out ID authentication tech with facial recognition for health insurance access, Healthcare IT News (Australia) 2 October 2021. Access Date: 31 March 2022. https://www.healthcareitnews.com/news/asia/japan-rolls-out-id-authentication-tech-facial-recognition-health-insurance-access

[3088] Easing of regulations for AI-based medical devices to empower domestic market in Japan, observes GlobalData, GlobalData (London) 15 February 2022. Access Date: 31 March 2022. https://www.globaldata.com/easing-regulations-ai-based-medical-devices-empower-domestic-market-japan-observes-globaldata/

[3089] Developing resilient healthcare systems with African products and services: Supporting local companies to tackle their own challenges, JICA (Tokyo) 18 March 2022. Access Date: 31 March 2022. https://www.jica.go.jp/english/news/field/2021/20220318_01.html

Korea: 0

Korea has partially complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 4 March 2022, the Ministry of Health and Welfare held the public health and medical data innovation forum proposed in April 2021. Representatives of private entities and academia took part and presented their views on future of healthcare services in the country under initiatives launched under the MyData Ecosystem introduced in February 2021.[3090]

Korea has taken steps to promote digital innovations in health-related matters by establishing better communication with civil society. However, no action aimed at ensuring better personal health data protection has been found.

Thus, Korea receives a score of 0.

Analyst: Alexander Ignatov

Mexico: 0

Mexico has partially complied with the commitment to enhance innovation in digital and other health-related technologies, taking into account the need to protect personal health data.

On 5 March 2022, the establishment of National Center for Health Intelligence was announced. It will contribute to decision-making in health emergencies. The centre will collect and analyze the information on health and epidemiological surveillance. It will provide data on coverage of the network of health units, the percentage of the population served. the human resources available and the needs to be covered.[3091]

On 30 March 2022, Secretary of Foreign Affairs Marcelo Ebrard led a high-level Mexican delegation, in which authorities from the health sector, representatives of educational institutions and businessmen participate. Within the framework of this tour, Mexico and India agreed to give a strategic nature to their bilateral relationship and strengthen their collaboration in the areas of trade, health and technological innovation. In the meeting with the Minister of Science and Technology of India, Jitendra Singh, it was also agreed to create an accelerator fund for scientific cooperation projects, particularly in biotechnology and aerospace. Similarly, in the meeting with the Minister of Health of India, Mansukh Mandaviya, the start of cooperation in terms of digitalization of medical information of the population was agreed.[3092]

On 2 June 2022, the National Institute of Rehabilitation (INRLGII) and the Autonomous Metropolitan University Unit Iztapalapa signed the collaboration agreement, which will promote the development of biomedical engineering in areas of research, science, technology, academia, training of human resources and dissemination.[3093]

[3090] Held the first public health and medical data innovation forum in 2022, Ministry of Health and Welfare of the Republic of Korea (Sejong-si) 4 March 2022. Translation provided by Google Translate. Access Date: 31 March 2022. http://www.mohw.go.kr/react/al/sal0301vw.jsp?PAR_MENU_ID=04&MENU_ID=0403&page=5&CONT_SEQ=370493

[3091] National Center for Health Intelligence will contribute to decision-making in health emergencies, Mexican Government (Mexico City) 5 March 2022. Translation provided by the analyst. Access Date: 4 April 2022. https://www.gob.mx/salud/prensa/109-centro-nacional-de-inteligencia-en-salud-contribuira-a-la-toma-de-decisiones-en-emergencias-sanitarias?idiom=es.

[3092] Mexico and India strengthen ties and agree to cooperate in trade, health and innovation, Mexican Government (Mexico City) 30 March 2022. Translation provided by the analyst. Access Date: 4 April 2022. https://www.gob.mx/sre/prensa/mexico-e-india-estrechan-lazos-y-acuerdan-cooperar-en-comercio-salud-e-innovacion?state=published.

[3093] National Institute of Rehabilitation and UAM-I sign collaboration agreement in biomedical engineering, Mexican Government (Mexico City) 2 June 2022. Translation provided by the analyst. Access Date: 20 June 2022. https://www.gob.mx/salud/prensa/261-firman-instituto-nacional-de-rehabilitacion-y-uam-i-convenio-de-colaboracion-en-ingenieria-biomedica?idiom=es.

On 19 June 2022, the INRLGII launched in-hospital registration system for tissue and cell transplantation. It will allow evaluating therapeutic impact in transplants of bone, tendons, composite tissue, skin, meniscus, cartilage and others.[3094]

During the compliance period Mexico took measures to enhance innovation in digital and other health-related technologies, but no actions to ensure personal health data protection have been registered yet.

Thus, Mexico receives a score of 0.

Analyst: Irina Popova

Russia: 0

Russia has partially complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 2 December 2021, the Ministry of Health announced the launch of the "Cifrovye servisy OMS" (Obligatory Medical Insurance Digital Services) project on the Gosuslugi (Government Services) platform. The initiative would provide the applicants with pro-active inform service and patient support. That would minimize in-person visits to medical facilities and ease the overload of medical personnel.[3095]

On 7 February 2022, the Ministry of Health announced the allocation of RUB600 million (approximately USD7.9 million) to provide extra financial incentives for medical workers fulfilling their responsibilities online. The Ministry plans to onboard 2500 more specialists and thus lower load of medical facilities allowing at least some patients with pneumonia and coronavirus symptoms to stay home.[3096]

On 22 March 2022, the BRICS Vaccine research center was opened. The opening ceremony was held online. Proposed in 2018, the center is said to promote exchanges and cooperation on vaccine research and development and testing along with mutual recognition of standards and building-up cooperation plans on the matter.[3097]

Russia has taken steps to promote digital innovations in health-related matters, but no action aimed at ensuring better personal health data protection has been found.

Thus, Russia receives a score of 0.

Analyst: Alexander Ignatov

Saudi Arabia: 0

Saudi Arabia has partially complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

[3094] National Institute of Rehabilitation implements in-hospital registration system for tissue and cell transplantation, Mexican Government (Mexico City) 19 June 2022. Translation provided by the analyst. Access Date: 20 June 2022. https://www.gob.mx/salud/prensa/297-instituto-nacional-de-rehabilitacion-implementa-sistema-de-registro-intrahospitalario-para-trasplante-de-tejidos-y-celulas-305556?idiom=es.

[3095] "Obligatory Medical Insurance Digital Services" project is launched on Gosuslugi platform), Ministry of Health of the Russian Federation (Moscow) 02 December 2021. Translation provided by the analyst. Access Date: 1 March 2022. https://minzdrav.gov.ru/news/2021/12/02/17920-proekt-tsifrovye-servisy-oms-nachal-rabotat-na-portale-gosuslug

[3096] More than half a billion rubles would be allocated to pay medical workers performing consultation services online, Ministry of Health of the Russian Federation (Moscow) 2 February 2022. Translation provided by the analyst. Access Date: 01 March 2022. https://minzdrav.gov.ru/news/2022/02/07/18347-bolee-polumilliarda-rubley-budet-napravleno-na-oplatu-truda-medikov-konsultiruyuschih-grazhdan-distantsionno

[3097] BRICS nations launch vaccine R&D center, Xinhua (Beijing) 23 March 2022. Access Date: 4 April 2022. https://english.news.cn/20220323/4fbc4b155f9545acaefd20cbbd035331/c.html

On 28 December 2021, the Ministry of Health has received a certificate issued by the International Standards Authority (ISO). The ISO certificate shows highest approval of the Ministry's achievements in incorporating digital innovations in day-to-day operations.[3098]

On 20 January 2022, Prime Minister Fahad Al-Jalajel held a meeting with businessmen and medical practitioners. The participants discussed plans to improve health services, increase investments in the sector. Among other initiatives the participants agreed on establishment of an automated center issuing health licenses as well as supporting government electronic integration.[3099]

Saudi Arabia has taken steps to promote digital innovations in health-related matters by establishing better communication with civil society. However, no action aimed at ensuring better personal health data protection has been found.

Thus, Saudi Arabia receives a score of 0.

Analyst: Alexander Ignatov

South Africa: 0

South Africa has partially complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 22 March 2022, the BRICS Vaccine research center was opened. The opening ceremony was held online. Proposed in 2018, the center is said to promote exchanges and cooperation on vaccine research and development and testing along with mutual recognition of standards and building-up cooperation plans on the matter.[3100]

South Africa has taken steps to promote digital innovations in health-related matters, but no action aimed at ensuring better personal health data protection has been found.

Thus, South Africa receives a score of 0.

Analyst: Alexander Ignatov

Turkey: 0

Turkey has partially complied with the commitment on health.

On 11 August 2021, the Ministry of Industry and Technology revealed the "Health and Chemical Products Call" within the scope of the Tech-Driven Industry Initiative. Accordingly, investments in 421 products and 80 innovative technologies would be supported within the call. Petrochemical intermediate products and additives, development and production of biotechnological medicines, regenerative medicine and artificial tissue/organ technologies, vaccine and immunological products, diagnostic kits and robotic surgery technologies are among the categories covered within the support program. The ministry would make four calls

[3098] MOH Obtains ISO Certification for IT Service Management, Ministry of Health of the Kingdom of Saudi Arabia (Riyadh) 28 December 2021. Access Date: 2 March 2022. https://www.moh.gov.sa/en/Ministry/MediaCenter/News/Pages/News-2021-12-28-001.aspx
[3099] Health Minister, Businessmen Discuss Initiatives to Develop Health Sector, Ministry of Health of the Kingdom of Saudi Arabia (Riyadh) 20 January 2022. Access Date: 2 March 2022. https://www.moh.gov.sa/en/Ministry/MediaCenter/News/Pages/News-2022-01-20-004.aspx
[3100] BRICS nations launch vaccine R&D center, Xinhua (Beijing) 23 March 2022. Access Date: 4 April 2022. https://english.news.cn/20220323/4fbc4b155f9545acaefd20cbbd035331/c.html

totally under the groups of "Mobility," "Health and Chemical Products," "Digital Transformation," and "Structural Transformation in Production."[3101]

On 30 September 2021, the Council of Europe Development Bank and the Ministry of Health in Turkey signed two EU grant agreements in total value of euro 80.6 million to support refugee healthcare investments. The grants will finance the construction and/or renovation of migrant health centers and physiotherapy and rehabilitation units in public hospitals as well as the purchase of medical equipment and supplies. The grants will also cover the cost associated with the mobilization of up to 10 specialists who will strengthen the Ministry's technical capacity to implement the project.[3102]

On 18 November 2021, the government announced that it would boost health tourism by means of promoting health infrastructure and digitalization projects. Deputy Minister of Health and Head of the HIMSS Eurasia Congress Şuayip Birinci stated that they are trying to bring Turkey's hospitals and health institutions above a certain standard in digitalization to enable citizens to receive services more easily.[3103]

On 17 March 2022, Turkish Cooperation and Coordination Agency (TİKA) renovated and put into service a health center that serves nearly 3,000 people in Ethiopia. TİKA renovated and furnished the health center and provided many pieces of medical equipment such as autoclaves, microscopes, gurneys, examination tables, and centrifuge machines.[3104]

On 21 March 2022, TIKA renovated the only dialysis center in Sughd Province, which has a population of 2.8 million, in Tajikistan. As part of the project supported by TİKA, the dialysis center in Khujand, the capital of Sughd Province, was renovated and equipped with the necessary tools, state-of-the-art dialysis devices, and a water treatment system.[3105]

Turkey has taken steps to promote digital innovations into healthcare, however no indication of measures aimed at improving personal health data protection.

Thus, Turkey receives a score of 0.

Analyst: Pavel Doronin

United Kingdom: +1

The United Kingdom has fully complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 8 November 2021, the government has announced about injection nearly GBP250 million to digitize diagnostics care across the National Health Service (NHS) using the latest technology. "Diagnostics services

[3101] Ministry of Industry and Technology Unveils Support Call for Health and Chemical Products, Investment Office of the Presidency of the Republic of Turkey (Ankara) 12 August 2021. Access Date: 31 March 2022. https://www.invest.gov.tr/en/news/news-from-turkey/pages/ministry-of-industry-and-technology-unveils-support-call-for-health-and-chemical-products.aspx

[3102] CEB and Turkey agree on €80.6 million in EU grant support for refugee healthcare investments, The Council of Europe Development Bank (Paris) 30 September 2021. Access Date: 31 March 2022. https://coebank.org/en/news-and-publications/news/ceb-and-turkey-agree-on-806-million-in-eu-grant-support-for-refugee-healthcare-investments/

[3103] Digitalization to put Turkey's health tourism on top, Daily Sabah (Ankara) 18 November 2021. Access Date: 31 March 2022. https://www.dailysabah.com/business/tourism/digitalization-to-put-turkeys-health-tourism-on-top

[3104] TİKA Renovated a Health Center in Ethiopia, TIKA (Ankara) 17 March 2022. Access Date: 31 March 2022. https://www.tika.gov.tr/en/news/tika_renovated_a_health_center_in_ethiopia-68430

[3105] TİKA Supports the Health Infrastructure of Tajikistan, TIKA (Ankara) 21 March 2022. Access Date: 31 March 2022. https://www.tika.gov.tr/en/news/tika_supports_the_health_infrastructure_of_tajikistan-68520

across the NHS will be digitalized using the latest technology to improve the way tests, images and results can be shared across computer systems in hospitals, labs and GP [general practitioner] surgeries."[3106]

On 14 November 2021, the government has committed to invest GBP375 million over the next 5 years for motor neuron disease. "Investment will fund projects into a range of diseases such as Pick's Disease, Fronto-temporal dementia, wernicke-korsakoff, Parkinson's disease dementia, Lewy Body dementia, Alzheimer's disease and mild cognitive impairment."[3107]

On 22 November 2021, the Department of Health and Social Care under new reforms has announced that "recruitment, training and retention of NHS staff and digital transformation will be put at the heart of the NHS in England." The changes will support the recovery of NHS services and drive forwards an ambitious agenda of digital transformation and progress.[3108]

On 1 December 2021, the Government has published a new HIV action plan, backed by over GBP23 million of funding, to "reduce new infections by 80 per cent by 2025."[3109] The action plan includes expanding and improving well-proven HIV prevention activities, opt-out testing and treatment.

On 30 December, the Department of Health and Social Care published "Security of NHS and Public Health Services Digital Systems (Coronavirus) Directions 2022" to support and maintenance of cyber security of network and information systems during the coronavirus (COVID-19) emergency.[3110]

On 24 February 2022, the Health and Social Care Secretary set out his priorities for "a more inclusive digital health service which better harnesses the power of innovation to drive a new era of recovery and reform."[3111] Reforms will affect adoption of digital social care record and expanding the use of the NHS App across the country.

On 28 February 2022, the Department of Health and Social Care published an Action plan to improve care of people with rare diseases. "New technology and digital tools will support faster diagnosis, and improvements to virtual consultations will make it easier for patients to see multiple specialists at once."[3112]

On 2 March 2022, the Government allocated GBP260 into diagnostics and treatment through new privacy-preserving platforms and clinical research services. This step "will make crucial data more securely and quickly available for research, while offering the highest levels of privacy."[3113]

On 8 March 2022, the Department of Health and Social Care, the Coalition for Epidemic Preparedness Innovations and industry associations representing vaccine manufacturers have announced Joint statement on delivering the 100 Days Mission to have safe and effective vaccines, therapeutics and diagnostics within 100

[3106] £250 million in NHS technology to modernise diagnostics, UK Government (London) 8 November 2021. Access Date: 6 March 2022. https://www.gov.uk/government/news/250-million-in-nhs-technology-to-modernise-diagnostics
[3107] Government to invest £375 million in neurodegenerative disease research, UK Government (London) 14 November 2021. Access Date: 15 March 2022. https://www.gov.uk/government/news/government-to-invest-375-million-in-neurodegenerative-disease-research
[3108] Major reforms to NHS workforce planning and tech agenda, Department of Health and Social Care (London) 22 November 2021. Access Date: 15 March 2022. https://www.gov.uk/government/news/major-reforms-to-nhs-workforce-planning-and-tech-agenda
[3109] Over £23 million investment to end new HIV infections by 2030, UK Government (London) 1 December 2021. Access Date: 15 March 2022. https://www.gov.uk/government/news/over-23-million-investment-to-end-new-hiv-infections-by-2030
[3110] The Consent to Activities Related to the Security of NHS and Public Health Services Digital Systems (Coronavirus), the Secretary of State for Health and Social Care (London) 30 December 2021. Access Date: 15 March 2022. https://www.gov.uk/government/publications/security-of-nhs-and-public-health-services-digital-systems-coronavirus-directions-2022
[3111] Health Secretary sets out ambitious tech agenda, Department of Health and Social Care (London) 24 February 2022. Access Date: 15 March 2022. https://www.gov.uk/government/news/health-secretary-sets-out-ambitious-tech-agenda
[3112] Millions of people with rare diseases to benefit from faster diagnosis and better access to treatment, Department of Health and Social Care (London) 28 February 2022. Access Date: 15 March 2022. https://www.gov.uk/government/news/millions-of-people-with-rare-diseases-to-benefit-from-faster-diagnosis-and-better-access-to-treatment
[3113] £260 million to boost healthcare research and manufacturing, UK Government (London) 2 March 2022. Access Date: 7 March 2022. https://www.gov.uk/government/news/260-million-to-boost-healthcare-research-and-manufacturing

days of an epidemic or pandemic threat being identified. The government aims to "deliver a research and development network, to speed up the development and delivery of novel vaccines."[3114]

On 14 May 2022, G7 Foreign Ministers endorsed an Action Plan on COVID-19, which includes acceleration efforts to ensure equitable and rapid global distribution of safe, effective, quality-assured and affordable vaccines, vaccinations and supporting a diversified global vaccine production.[3115]

On 18 March 2022, the Department of Health and Social Care, the Department for Business, Energy & Industrial Strategy, the Office for Life Sciences in addition to the Welsh Government, The Scottish Government, and Department of Health (Northern Ireland) "Genome UK: shared commitments for UK wide implementation 2022 to 2025." This initiative is expected to help patients across the UK to benefit from faster cancer diagnosis and innovative new treatments.[3116]

The United Kingdom has taken strong actions in both enhancing innovation in digital technologies and personal health data protection. The government invested in projects to digitize a wide range of disease, using the latest technology of testing, prevention activities, announced new reforms to recruitment, training and retention of medical staff. In the context of a pandemic COVID-19 UK maintains cyber security of network and information systems, speeds up vaccine development and ensures fair access to these vaccines worldwide

Thus, the United Kingdom receives a score of +1.

Analyst: Elena Alekseeva

United States: +1

The United States has fully complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

From December 2021 to June 2022 the Department of Health and Human Services (HHS) implemented the PandemicX Accelerator a six-month pilot program designed to build and scale technologies with businesses fueled by HHS data and healthcare innovation. It was jointly sponsored by the HHS Office of the Assistant Secretary for Health and the Office of the National Coordinator for Health IT [Information Technology] and managed by MassChallenge HealthTech, a non-profit organization dedicated to supporting innovation and entrepreneurship through collaboration and development. Within the program, 15 teams of entrepreneurs connected their health start-ups with government leaders on HHS priorities like health equity and access to care. Participating start-ups designed and deployed digital solutions for public health with an emphasis on ensuring an equitable COVID-19 response and recovery for all.[3117]

On 17 March 2022, the Department of Health and Human Service's Office for Civil Rights issued industry guidance for Health Insurance Portability and Accountability Act regulated entities to take preventative steps to protect against cyber-attacks.[3118]

[3114] Joint statement from the UK government, CEPI, IFPMA, ABPI, BIA, BIO and DCVMN on delivering the 100 Days Mission, UK Government (London) 8 March 2022. https://www.gov.uk/government/publications/joint-statement-on-delivering-the-100-days-mission/joint-statement-from-the-uk-government-cepi-ifpma-abpi-bia-bio-and-dcvmn-on-delivering-the-100-days-mission
[3115] COVID-19 action plan: G7 Foreign Ministers' statement, Foreign, Commonwealth & Development Office (London) 14 May 2022. Access Date: 17 June 2022. https://www.gov.uk/government/news/action-plan-on-covid-19-g7-foreign-ministers-may-2022
[3116] Genome UK: shared commitments for UK-wide implementation 2022 to 2025, UK Government (London) 18 March 2022. Access Date: 18 June 2022. https://www.gov.uk/government/publications/genome-uk-shared-commitments-for-uk-wide-implementation-2022-to-2025
[3117] PandemicX, Office of the Assistant Secretary for Health (Washington) 10 June 2022. Access Date: 20 June 2022. https://www.hhs.gov/ash/osm/innovationx/pandemicx/index.html.
[3118] OCR Quarter 1 2022 Cybersecurity Newsletter, U.S. Department of Health and Human Services (Washington) 17 March 2022. Access Date: 1 April 2022. https://www.hhs.gov/hipaa/for-professionals/security/guidance/cybersecurity-newsletter-first-quarter-2022

The United States has taken measures both to enhance innovation in digital and other health-related technologies and to ensure personal health data protection.

Thus, the US receives a score of +1.

Analyst: Andrey Shelepov

European Union: +1

The European Union has fully complied with the commitment to enhance innovation in digital and other health-related technologies and ensure personal health data protection.

On 14 October 2022, the European Commission proposed a progressive roll-out of the new In Vitro Diagnostic Medical Devices Regulation to prevent disruption in the supply of these essential healthcare products.[3119] Implementation of the In Vitro Diagnostic Medical Devices Regulation of 2017, which introduced certain requirements for medical devices and a stronger role for so-called conformity assessment bodies, was delayed due to the COVID-19 pandemic. The Commission's proposal does not change any requirements of the original Regulation but establishes a new regulatory framework for in vitro diagnostic medical devices, such as HIV tests, pregnancy tests or SARS-CoV-2 tests.[3120]

On 15 December 2022, the European Parliament adopted legislative resolution as regards transitional provisions for certain in vitro diagnostic medical devices and deferred application of requirements for in-house devices.[3121] On 26 May new rules on in vitro diagnostic medical devices such as HIV tests, pregnancy tests or COVID-19 tests came into force.[3122]

On 3 May 2022, the European Commission launched the European Health Data Space (EHDS). It will empower people to control and utilise their health data in their home country or in other Member States; will foster a genuine single market for digital health services and products; it offers a consistent, trustworthy and efficient framework to use health data for research, innovation, policy-making and regulatory activities, while ensuring full compliance with the EU's high data protection standards. The EHDS creates a strong legal framework for the use of health data for research, innovation, public health, policy-making and regulatory purposes. The EHDS builds further on the General Data Protection Regulation, proposed Data Governance Act, draft Data Act and Directive on Security of Network and Information Systems (NIS Directive).[3123]

On 13 May 2022, the European Commission and the European Parliament reached an agreement on the Directive on measures for a high common level of cybersecurity across the Union (NIS 2 Directive) proposed by the Commission in December 2020. It covers the healthcare sector, for example by including medical device

[3119] Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL amending Regulation (EU) 2017/746 as regards transitional provisions for certain in vitro diagnostic medical devices and deferred application of requirements for in-house devices, European Commission COM(2021) 627 final (Brussels) 14 October 2021. Access Date: 11 April 2022. https://ec.europa.eu/health/system/files/2021-10/md_2017-746-regulation_2021-amendment_en_0.pdf

[3120] Public health: Stronger rules for placing medical tests on the market, European Commission (Brussels) 25 May 2022. Access Date: 17 June 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_3288

[3121] European Parliament legislative resolution of 15 December 2021 on the proposal for a regulation of the European Parliament and of the Council amending Regulation (EU) 2017/746 as regards transitional provisions for certain in vitro diagnostic medical devices and deferred application of requirements for in-house devices (COM(2021)0627 – C9-0381/2021 – 2021/0323(COD)), European Parliament (Strasbourg) 15 December 2021. Access Date: 11 April 2022. https://www.europarl.europa.eu/doceo/document/TA-9-2021-0498_EN.html

[3122] Public health: Stronger rules for placing medical tests on the market, European Commission (Brussels) 25 May 2022. Access Date: 17 June 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_3288

[3123] Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the European Health Data Space COM/2022/197 final, European Commission (Brussels) 3 May 2022. Access Date: 17 June 2022. https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52022PC0197

manufacturers, given the increasing security threats that arose during the COVID-19 pandemic.[3124] In the provisionally-agreed text, organisations that do not comply may be fined up to two per cent of annual revenue, or up to EUR10 million.[3125]

The European Union has fully complied with its commitment on enhancing innovation in digital and other health-related technologies, applying new COVID-19 vaccines and treatments, reinforcing roles of its medical bodies, and striving for an uninterrupted supply of medicines, vaccines and access to medical care. It also has fully complied its commitments on ensuring personal health data protection launching the EHDS.

Thus, the European Union receives a score of +1.

Analyst: Ksenia Dorokhina

[3124] Commission welcomes political agreement on new rules on cybersecurity of network and information systems, European Commission (Brussels) 13 May 2022. Access Date: 17 June 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_2985
[3125] Proposal for a Directive of the European Parliament and of the Council on measures for a high common level of cybersecurity across the Union, repealing Directive (EU) 2016/1148 COM/2020/823 final, European Commission (Brussels) 16 December 2020. Access Date: 17 June 2022. https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2020:823:FIN