

How to build resilient health systems?

Science for Resilience – Learnings from the Pandemic | 23 May 2022

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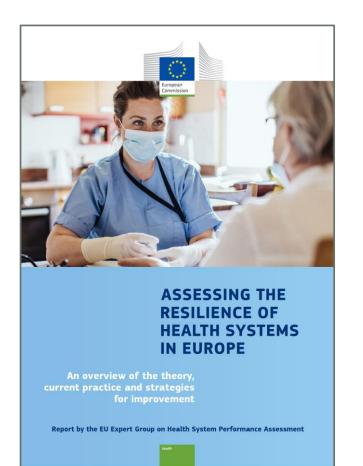


RESILIENCE OF HEALTH SYSTEMS IN EUROPE

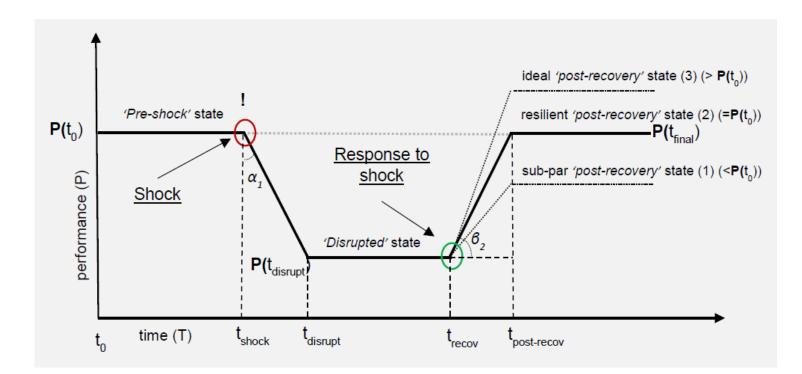
An overview of the theory, current practice and strategies for improvement

Report by the EU Expert Group on Health System Performance Assessment





» The concept of resilience







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» Elements of resilience

Box 2. A (non-exhaustive) list of health system resilience-enhancing elements

- Protected and diversified health system revenue generation/financing mechanism;
- Adequate buffers/rapidly deployable reserve capacity (material and financial resources);
- Regularly revised and updated risk management plans;
- Built-in redundancies/alternative ways to deliver care;
- Existence of a high-quality (i.e. sufficiently sensitive and specific) epidemiological surveillance system;
- Easy access to detailed and timely health information by health system managers and policymakers;
- High level of 'social capital' (institutional trust, cooperation capacity, public awareness of health risks);
- Effective communication and coordination across government entities and other relevant stakeholders;
- Explicitly defined public/statutory health insurance health benefit basket;
- Universal health coverage;
- Well-functioning health system performance monitoring and forecasting practices;
- Well-motivated and supported health workforce of appropriate size;
- Strong and transparent health system leadership;
- Existence of an organisational learning culture/'learning from failure' within the health system.



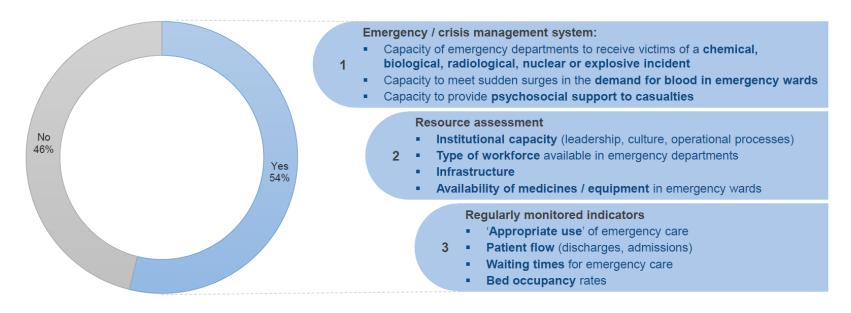


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» Resilience assessment -> ICU capacity







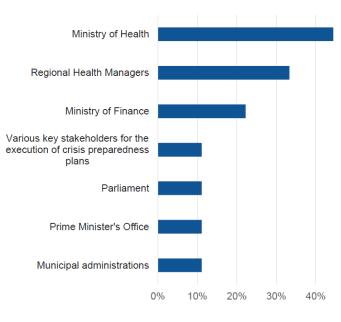
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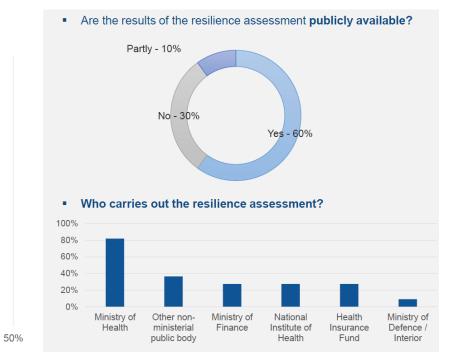
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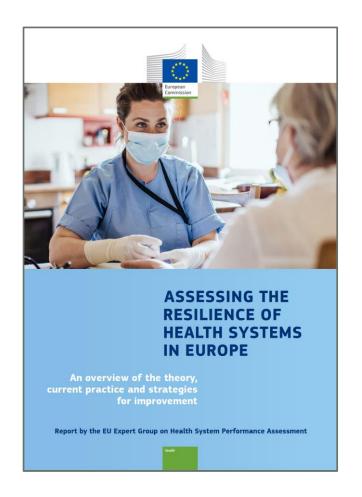
» Target audience and transparency

Who is the intended target audience for the results of the resilience assessment?

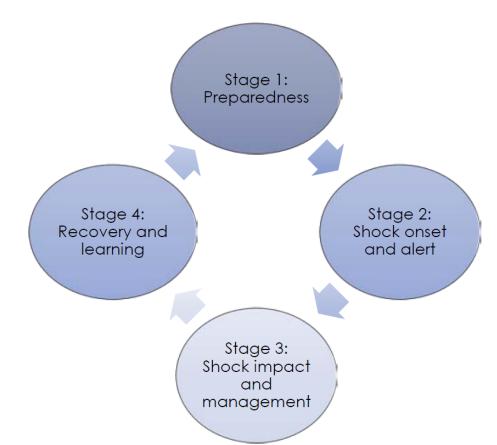








» Stages of crisis response

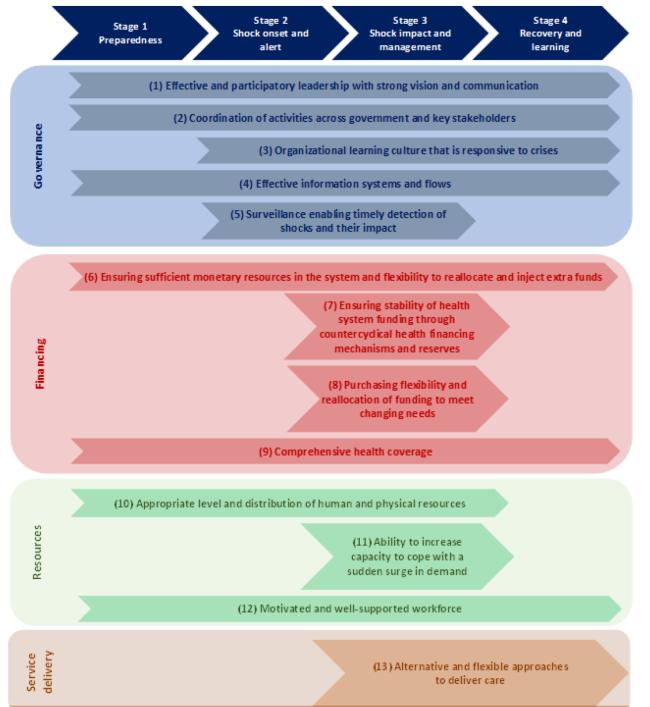




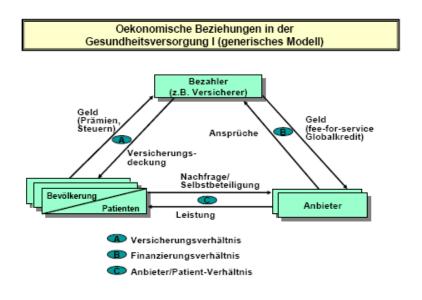
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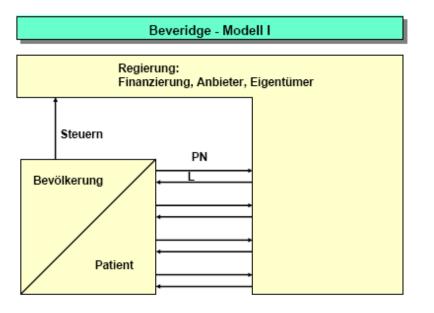
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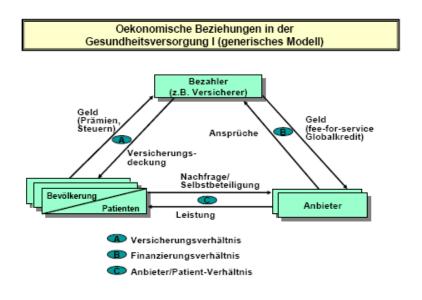




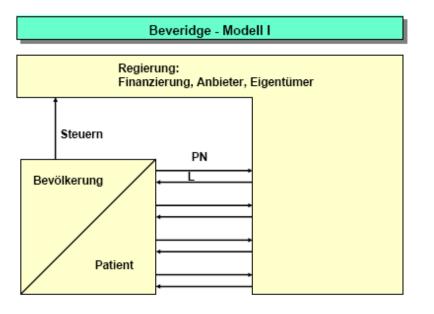


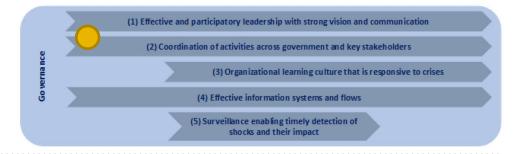


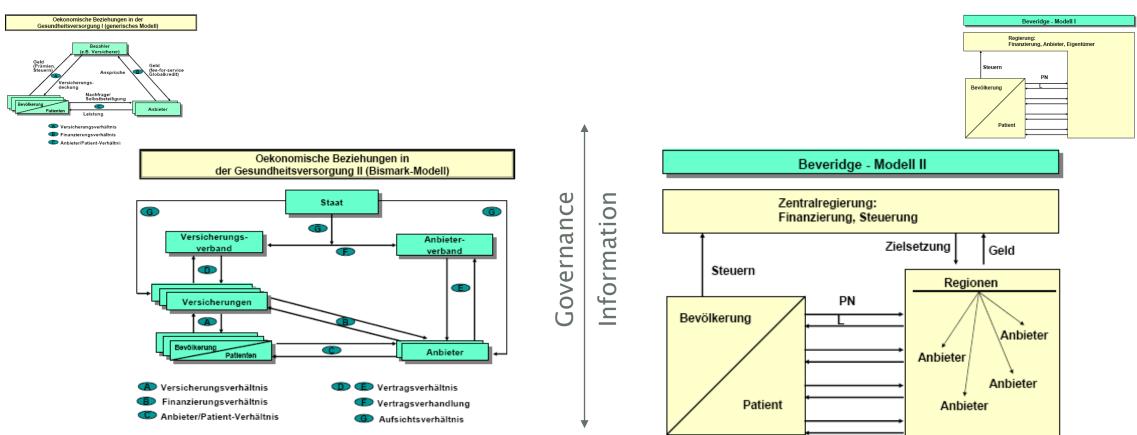




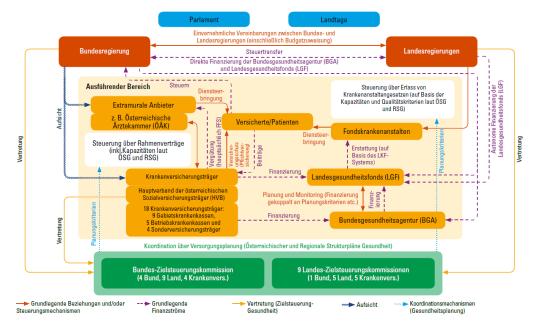








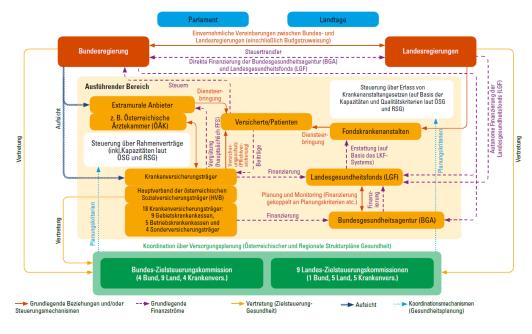
» The challenge of appropriate governance



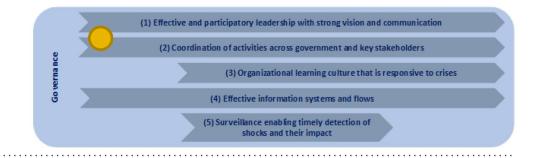
"Bargaining and cooperation"

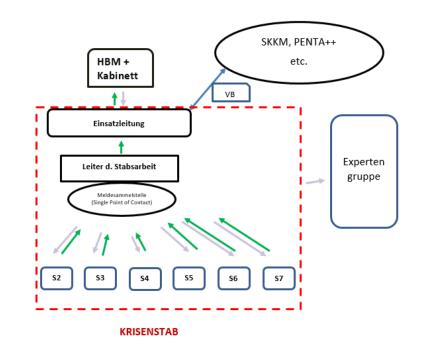


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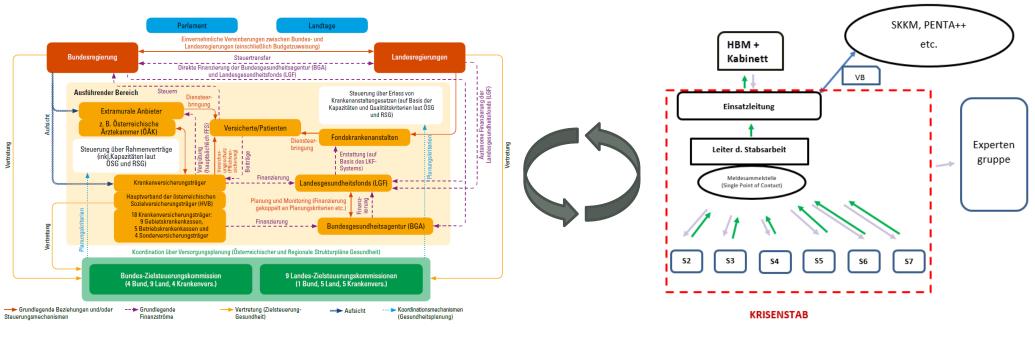


"Decision-making and execution"

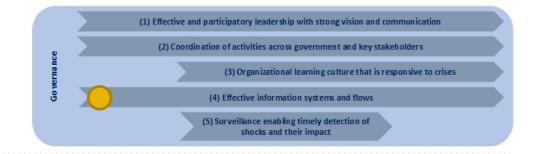
(1) Effective and participatory leadership with strong vision and communication (2) Coordination of activities across government and key stakeholders (3) Organizational learning culture that is responsive to crises (4) Effective information systems and flows (5) Surveillance enabling timely detection of shocks and their impact

» The challenge of appropriate governance

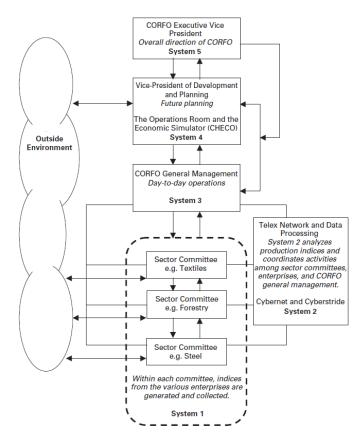
"Bargaining and cooperation"



"Decision-making and execution"



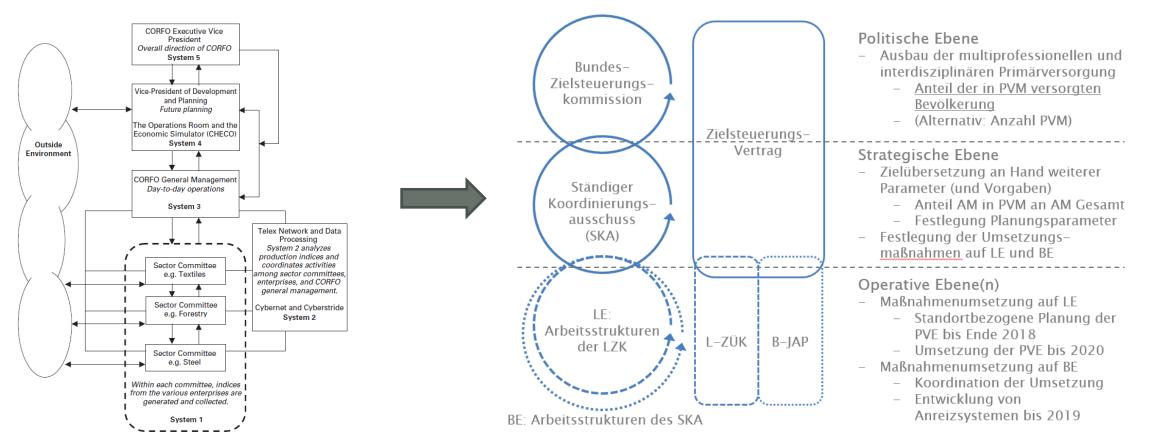
» The challenge of effective information systems



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How to build resilient health systems? Governance

» The challenge of effective information systems





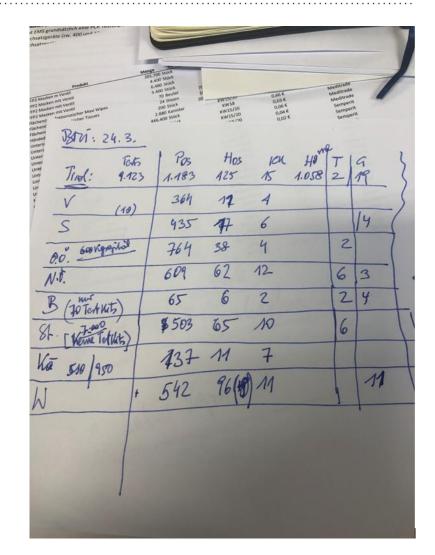
- » The challenge of effective information systems (institutional perspective)
 - Market-based and/or decentralized health sector reform is likely to be associated with an increased requirement for staffing and labour cost data for performance management requirements within the organization and for national monitoring; the irony is that the actual implementation of the reforms may erode the available centralized data sources.

Source: Buchan, 2000

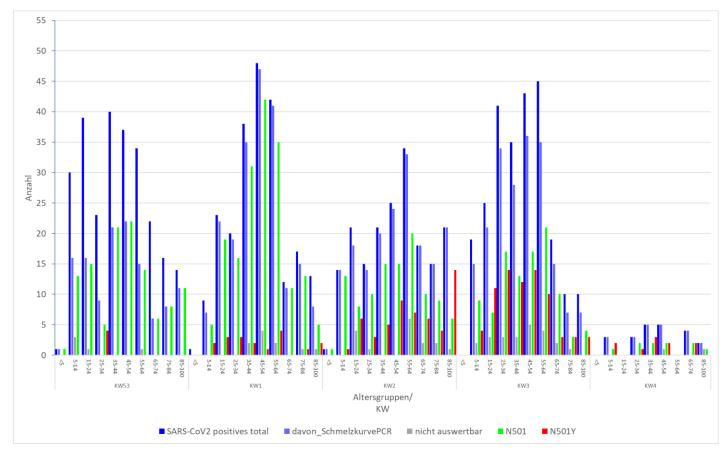


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Source: Buchan, 2000



» The challenge of appropriate surveillance







» Monetary resources





» Monetary ressources

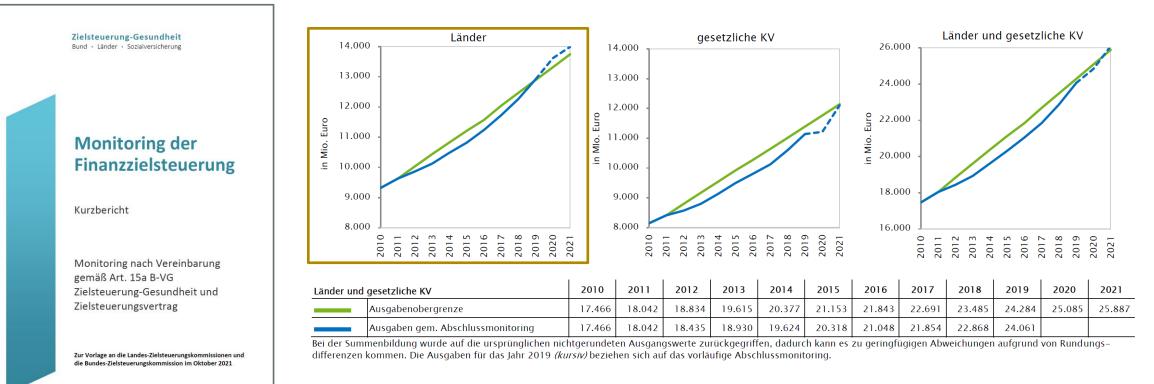


Um die ZSG-relevanten GHA bestmöglich und vollständig zu erfassen, erfolgte vor dem Hintergrund der COVID-19-Pandemie zum aktuellen Monitoringzeitpunkt (September 2021) eine Zusatzerhebung bei den Ländern zu den ZSG-relevanten COVID-19-Aufwendungen und ZSG-relevanten Refundierungen seitens des Bundes. Die gewonnenen Zusatzinformationen lieferten vor allem folgende zentrale Erkenntnisse:

- » COVID-19-Aufwendungen der Krankenanstalten (z. B. für Schutzausrüstungen, Testungen, Sicherheit und Hygiene, Barackenspitäler, COVID-Prämien, zusätzliches Personal etc.) werden in einem Großteil der Bundesländer über die Betriebsabgangsdeckungen von den Ländern (und Gemeinden) beglichen. Meist handelt es sich hierbei um einen Restbetrag, der aus einer Gegenverrechnung der Refundierungen seitens des Bundes resultiert.
- » Mindererträge der Krankenanstalten (z. B. Einnahmen aus BGA-Mitteln, von ausländischen Gastpatientinnen/-patienten, Sonderklassegelder etc.) werden teilweise über die Betriebsabgangsdeckungen oder im Rahmen zeitnaher Zuschüsse kompensiert.
- » Bei der Finanzierung über die Betriebsabgangsdeckung muss bei der Interpretation der einzelnen Bundesländer jeweils unterschieden werden, ob sie periodenrein erfolgt oder erst in den darauffolgenden Jahren vom Land (und von den Gemeinden) beglichen wird.
- » Die gemeldeten Werte zu den Refundierungen seitens des Bundes für ZSG-relevante Aufwendungen sind teilweise noch nicht vollständig und umfassen nur die bereits ausbezahlten Refundierungen. Zusätzlich erfolgen die Refundierungen aufgrund der unterschiedlichen Zeitpunkte der Einreichung und der folgenden Auszahlung nicht immer periodenrein, sondern erst in den darauffolgenden Jahren.

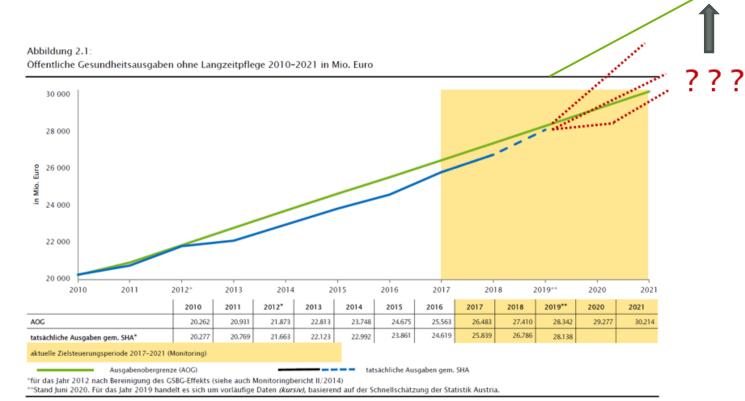


» Monetary ressources



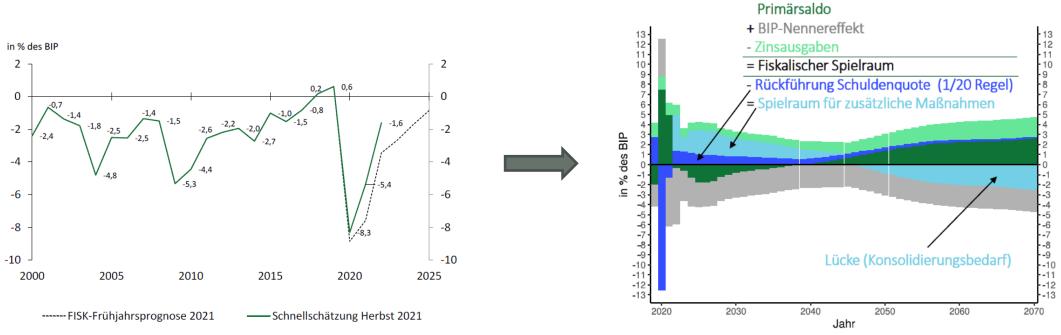


» Fiscal sustainability short-term (and program budgeting)



Quelle: Statistik Austria 2020 und G-ZG § 17 Abs. 1 Z 1

» Fiscal sustainability long-tern



Quelle: FISK-Frühjahrsprognose und aktuelle Schnellschätzung des FISK-Büros.

CAVEAT: Impact of IR

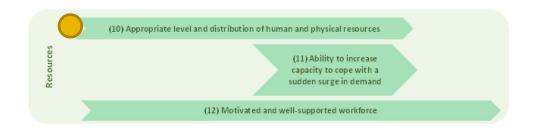
(6) Ensuring sufficient monetary resources in the system and flexibility to reallocate and inject extra funds

(9) Comprehensive health coverage

(7) Ensuring stability of health system funding through ountercyclical health financing mechanisms and reserves

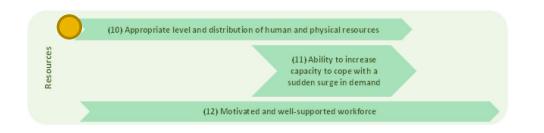
(8) Purchasing flexibility and eallocation of funding to meet

changing needs



How to build resilient health systems? Resources

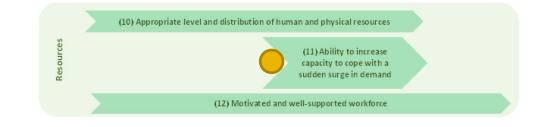
- » Depending on the (assumed) duration of the shock / crisis
 - » The shorter, the more a question of distribution
 - » The longer, the more a question of structural adaption



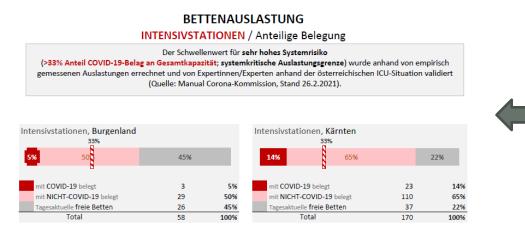
How to build resilient health systems? Resources

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How to build resilient health systems? Resources



- » Depending on the (assumed) duration of the shock / crisis
 - » The shorter, the more a question of distribution
 - » The longer, the more a question of structural adaption
 - » Creation of appropriate structures <u>and</u> provision/development of human resources
 - » Generally: From emergency mode towards COVID standard care
 - $\, {\scriptscriptstyle >\!\!\!>}\,$ In order to avoid rivalry between COVID- and non-COVID-patients





ource: ttps://www.tagesspiegel.de/gesells haft/panorama/coronavirus-in-/uhan-so-entstand-in-rekordzeit-dasrankenhaus-mit-1000etten/25501950.html

(13) Alternative and flexible approaches to deliver care

» Digitization, digitization, digitization



Repräsentativerhebung der Meinungen der österreichischen Bevölkerung

März/April 2020

Source: Gallup, 2020

(13) Alternative and flexible approaches to deliver care

» Digitization, digitization, digitization

AKZEPTANZ DER VERWENDUNG VON GESUNDHEITSDATEN IN DER FORSCHUNG ZUR BEKÄMPFUNG VON COVID-19

DAS ÖSTERREICHISCHE

GALLUP INSTITUT

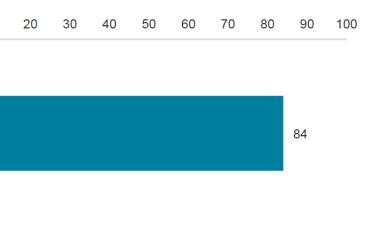
Repräsentativerhebung der Meinungen der österreichischen Bevölkerung

März/April 2020

Zur Bekämpfung von COVID-19 (Coronavirus) sollten die e-Medikationsdaten (Informationen über verschriebene und abgegebene Medikamente in ELGA) der ÖsterreicherInnen für Forschungszwecke durch Medizinische Universitäten in Österreich verwendet werden dürf

Service delivery

Zur Bekämpfung von COVID-19 (Coronavirus) sollten e-Befunddaten (Spitals-Entlassungsbriefe, Labor- und Radiologiebefunde in ELGA) der ÖsterreicherInnen für Forschungszwecke durch Medizinische Universitäten verwendet werden?



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AKZEPTANZ DER VERWENDUNG VON GESUNDHEITSDATEN IN DER FORSCHUNG ZUR BEKÄMPFUNG VON COVID-19

DAS ÖSTERREICHISCHE

Repräsentativerhebung der Meinungen der österreichischen Bevölkerung

März/April 2020

Wien, am 1. Mai 2020 <u>szekeres@aekwien.at</u> Tel.: +436642243929 Sehr geehrte Frau Präsidentin Dr. van der Leyen! Sehr geehrte Frau Kollegin! In der momentanen Gesundheits- und Wirtschaftskrise ist ein wesentlicher Schlüssel zur Lösung der Probleme die rasche Verfügbarkeit eines Impfstoffes beziehungsweise einer Prof. Dr. Frank Ulrich Montgomery rror, ur. nam umen mungomery Präsident des Ständigen Ausschuss der Ärzte der EU (CPME) , kausalen Therapie. In den letzten Wochen konnten weltweit Vorsitzender des Vorstands, Weltärztebund (WMA) Erfahrungen mit der Behandlung des Virus gesammelt werden. Allerdings sind viele Ehren-Präsident der Bundesärztekammer medizinische Fragen in der Therapie von SARS-Cov2 erkrankten Personen nach wie vor offen monti@montgomery.de bzw. fehlt für die behandelnden Ärztinnen und Ärzte häufig der Überblick welche Behandlung in weichern konkreten Fall in einern anderen Land gut funktioniert hat. Um die Therapie verbessern zu helfen, erscheint uns die Etablierung eines rasch mit m vielen medizinischen informationen zu befüllenden Registers (Datenbank) sinnvoll und wichtig zu sein. Dabei könnten ärztliche und pflegerische Erfahrungen ausgetauscht -Hinweise auf wirkungsvollen Einsatz verschiedener Therapien und bestehender Medikamente gesammelt und statistisch signifikant ausgewertet werde r Vorschlag und unsere Bitte ist die Etablierung eines derartigen Registers zu unterstützen, insbesondere die Information über so ein Register europaweit bekannt zu machen, damit möglichst viele Informationen in kurzer Zeit dort für wissenschaftliche Auswertung, aber auch für tagtägliche Therapien verfügbar gemacht werden können. Wir haben ein fertiges Konzept für so ein Register und sind davon überzeugt, dass die EU hier eine wesentliche Rolle spielen könnte und ersuchen Sie um Hilfe in dieser, wie wir glauben Mit freundlichen Univ. Prof. Dr. Thomas Szekeres, PhD Präsident der Wiener und Österreichischen Ärztekammer

Service delivery

(13) Alternative and flexible approaches to deliver care

Service delivery

» Digitization \rightarrow Teleconsultation



Source: https://www.epiphan.com/blog/best-video-conferencing-software/

» Digitization → Teleconsultation





(13) Alternative and flexible approaches to deliver care

Service delivery

Source: https://www.epiphan.com/blog/best-video-conferencing-software/

Source: https://www.kvno.de/downloads/kvno_aktuell/telemedizin_ebm-ziffern.pdf

(13) Alternative and flexible approaches to deliver care

» Digitization \rightarrow Teleconsultation



(13) Alternative and flexible approaches to deliver care

» Digitization \rightarrow The way ahead (Integration, Integration, Integration)

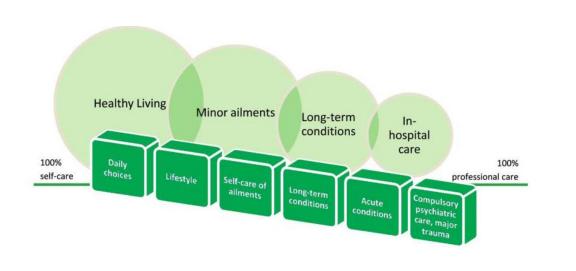


ABBILDUNG 8: CHRONIC CARE MODEL NACH ED WAGNER (2006)

Service delivery





Outlook

- » The impact of the pandemic on the future transition of health systems cannot be assessed yet, but the areas of action are quite obvious
 - » Governance (including data governance)
 - » Financing
 - » Resources
 - » Service delivery



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- » The assumptions of the future course of the pandemic has a fundamental impact on the sustainability of the measures on order to fight/cope with the pandemic
 - » Scenario planning
 - » "The next normal"



Outlook

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 - » Scenario planning
 - » "The next normal"
- » Pro futuro
 - » How do we foster (single-loop and double-loop) learning?
 - » In a society (and also scientific community) that is driven by bias
 - » How do we measure success ?
 - » How do we set up functional institutions for (comprehensive and transparent) decision-support?



More "food for thought..."

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Health systems resilience during COVID-19

Lessons for building back better









Publications

Health systems resilience during COVID-19: Lessons for building back better

Health Policy Series 56

11 November 2021 | Publication



Overview

The COVID-19 pandemic represents a health system shock of unprecedented scale. Health systems resilience defined as the ability to absorb, adapt, and transform to cope with shocks - is needed to ensure sustained performance of the health system functions (governance, financing, resource generation, and service delivery) so that the ultimate health system goals, especially that of improving health of the population, can be achieved. As we have witnessed, few countries could achieve this goal and even fewer could do so in a sustained way leaving all countries with important lessons to learn. The lessons derived in this study can inform both the ongoing efforts, while countries are still grappling with the pandemic, as well as help ensure these efforts also incorporate a longer-term perspective, thus improving preparedness to any future health system shocks.

While there is no 'one-size-fits-all' response that all countries could replicate, the study identifies 20 key strategies, grouped according to the health systems functions, that have been found as enhancing health systems resilience in the face of COVID-19. They have strong interlinkages and do not work in isolation, and this book also considers how the health system operates in the context of other systems, and broader political and governance structures.

The strategies describe how to secure and (re)allocate financing while leaving no one behind. They emphasize the need for more health workers who are fit for the job and well supported. They demonstrate the importance of strong public health systems and safety nets. They show how providers surged capacity and adapted care pathways for both COVID-19 and non-COVID-19 patients. While the relative importance of the various strategies and their configurations will depend on the specific country contexts, governance emerges as the foundation and lever for health system functioning and resilience. It plays a crucial role in enabling all other functions to work in unison to ensure adequately financed and otherwise well-resourced health service delivery to promote improved health.

WHO TEAM

European Observatory on Health Systems and Policies

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Gesundheit Österreich

Thank you for you attention!