

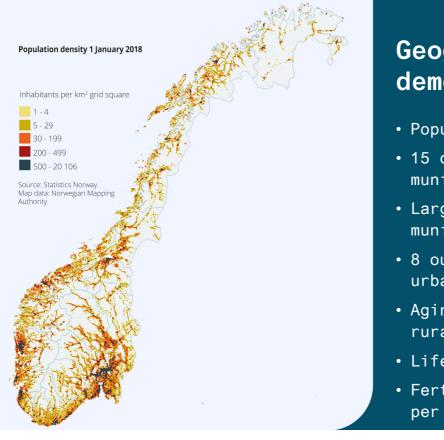
Integrated care and digital health care services related to the case-mix and financing system in Norway

PCSI conference in Bled 2024

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## Agenda

- A brief introduction to Norway's health system
- Case-mix and activitybased funding
- Pay-for-performance
- Our focus on digital health services and integrated care



## Geography and demograpics

- Population: 5.5 million
- 15 counties and 357 municipalities
- Large variation in the size of municipalities
- 8 out of 10 people live in urban areas
- Aging population, especially in rural areas
- Life expectancy: 82.6 years
- Fertility rate: 1.48 children per woman

# Who has access and what costs are covered?

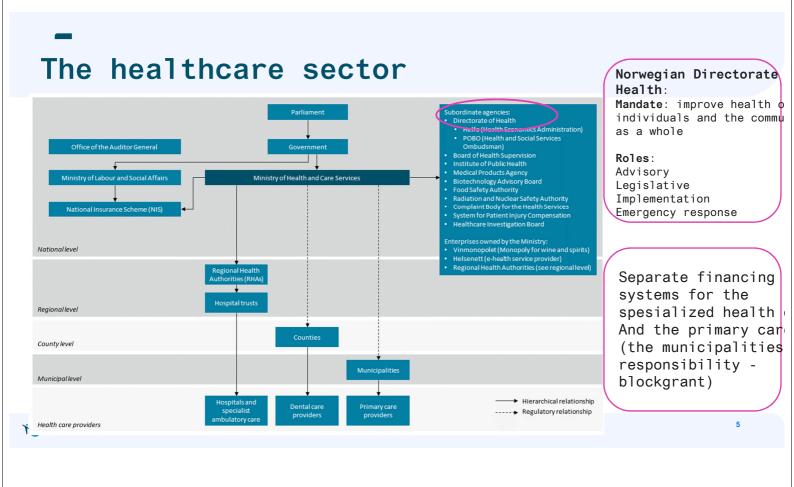
Every documented resident of Norway is entitled to publically-funded healthcare services. Residents from the EU and EEA have the same entitlement to health services as Norwegians.

### Free-of-charge:

- In-patient care in public and private hospitals contracted by regional health authorities
- Home-based services, including nursing is usually free-of-charge
- Medical examinations during and after pregnancy
- Healthcare for children under 16, including child vaccination

### **Co-payment:**

- GP visits
- Out-patient hospital care, radiology and laboratory services
- Physiotherapy
- Prescription drugs on the "blue list"
- (Long-term institutional care for people with disabilities and the elderly)



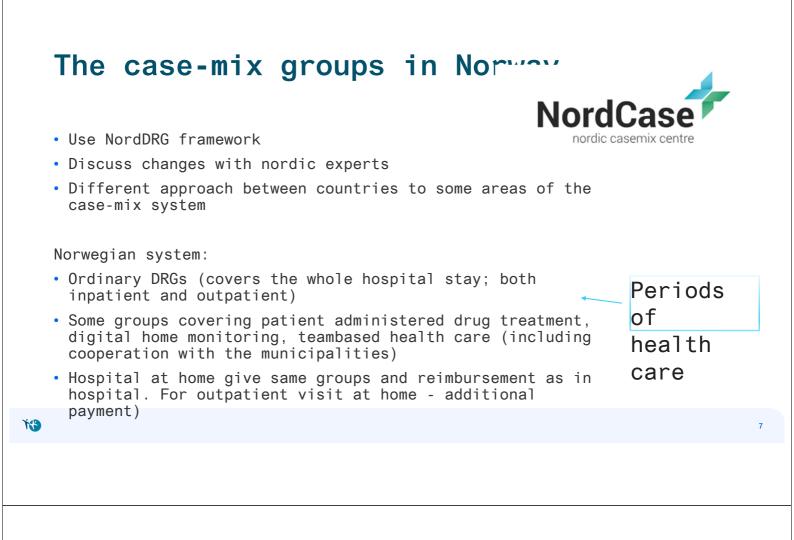
### Funding of hospitals in Norway

	Somatic healthcare	Mental health and substance abuse treatment	
Inpatient care	Block grant 60%	Block grant 100%	
	Activitybased funding 40%		
Outpatient care	Block grant 60%	Block grant 75%	
	Activitybased funding 40%	Activitybased funding 25%	

Activitybased funding in Norwegian hospitals:

Stribe to focus on the content of the health care and make a reimbursement system neutral to

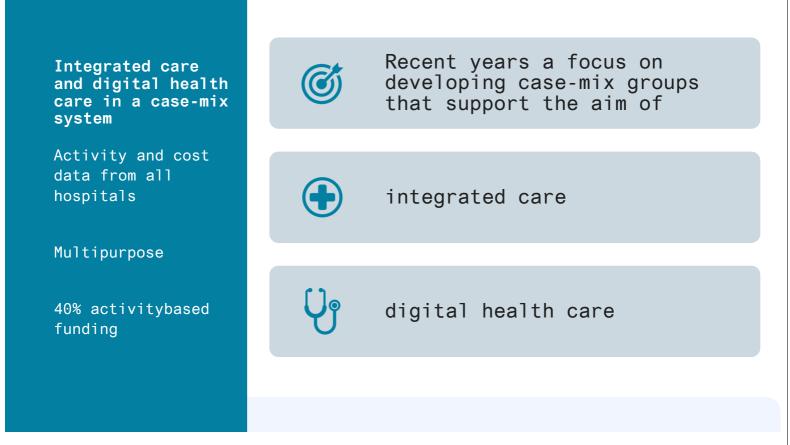
- which health personnel in hospital provides the care,
- where the health care is given (e.g. at home), and
- technology (video, telephone, patient reported)



The Norwegian classification tool (inkl a DRG Grouper, DRG-logic and the financing rules) is available and free to use for everyone (necessary software are on our webpages.).

Limited market for other groupers in Norway and therefore no certification process for groupers like in many other countries.

Our tool can easily be integrated in different information systems.



# Case-mix groups supporting integrated care and digital health care services – activitybased reimbursement

Patient reported Telephone and outcome and Outpatient videoconsultatio remote visits at home ns - ordinary monitoring ordinary DRGs DRGs groups covering a period Collaborative treatment Online treatment meeting with the (together with program - groups primary care and the primary covering a others – groups care) – groups period covering a covering a period

### Pay-for-performance model in Norway to support and increase digital health care and collaboration with the primary care

	erformance arget in percent )	Weighting in the model (in percent)
Video and telephone consultations	15	24
Collaborative meetings with the primary care and other (e.g. school, job) (resp. mental health care and somatic treatment)	25 1	20 7
Teambased health care (resp. mental health care and somatic treatment)	2 1	7,5 3
Patient reporting outcome	1	4
Online treatment program	1	7,5
Individual plan for those diagnosed with schizophrenia	70	3
Eperformancestargetwithouten related to the total n outpatients visits.	number of 70	24
Some of the indicators are new - therefore low targe		



## Achieved indicatorscore per region

×9

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Region

north

### Digital health services in the DRGsystem

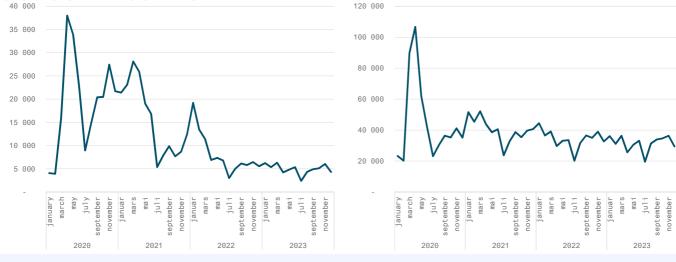
Video- and telephone consultations group to same DRGs as physical visits (approximately 225 DRG groups)

The same DRG independent of who provide the health care (doctor, nurse, other personnel. -> clinical guidelines and

Have an indicator in our pay-forperformance model (15% of all outpatient contacts)

> Between 10 and 15% of all outpatient contacts are a video- og telephoneconsultation

Number of video- and telephone consultations from january 2020 until december 2023 – mental health and drug abuse treatment



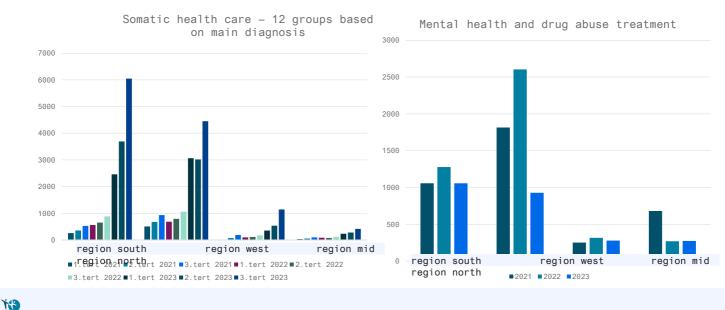
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# DRGs for digital health care

- Grouping based on diagnosis and procedures
- Describe an activity that lasts over a period of time
  - *«Monitoring and interpretation of remote-reported data from pacemaker or ICD»*
  - «Internet based treatment program»
  - *«Long-term asynchronous follow-up based on pasient reported outcome»*

### Patient reported outcome in case-mix groups covering four months activity (reimbursement per tertiary - number of patients per period)



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## Integrated care - reimbursement per period covering the activity for a

#### month Patient centered health care teams

- Regulated by national guidelines
- Hospital in cooperation with the municipality
- Interdisiplinary
- Create good transitions between hospitals and further follow-up in the municipality
- Most of this health care is aiven outside the hospital

Collaboration activities

- The contact shall support health care and patient interaction and be necessary for further treatment of the patient
- Meeting between hospital and primary health care service, Child Welfare Service and other (with or without the patient

### General obstacles and difficulties New ways of providing health services challenge our system with two main authority levels

Financing integrated care and digital health services is challenging both for hospitals and municipalities (especially for small municipalities)

- Reinforced by different financial sources/systems
- Access to data from the remote care software, through the ordinary patient record and sharing data/treatment-/self-care plans
- Different cultures within specialist health care vs community-based healthcare – diagnoses vs functions a needs
- Legal issues

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## Digital health care

The main challenges when creating a casemix system



Interaction, and patients shifting between the authority levels

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New and undeveloped area

High rate of medical changes Lack of evidencebased research Less personnel intensive «Personal» medical euipment at home Artificial intelligence (AI) Different kind of app's



Challenging both by means of

Definitions Activity data Cathegories in the case-mix system Cost calculations

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