

Introducing Diagnosis-Related Groups in countries with smaller populations

Path towards implementation and typical challenges

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The DRG landscape





The DRG landscape - Estonia



Estonia



- In 2004, Estonia adopted a version of NordDRG system with the aim to contain costs, limit volume growth, and increase the overall efficiency and transparency of the hospital sector.
- The share of DRG-based payments has increased in the overall healthcare system, with DRG holding 70 percent share.
- The use of pre-existing NordDRG system was resource-efficient and there is no evidence of up- or wrong-coding.
- The current challenges are the increase of the coding quality, improvement of cost information and the adjustment of the DRG system to compensate the hospitals as fairly as possible.



The DRG landscape - Slovenia

Slovenia



- In 2004, Slovenia introduced DRG based on the Australian **AR-DRG** payment model.
- Health care system is primarily financed by a single health insurance scheme, the Health Insurance Institute of Slovenia.
- DRG system reduced waiting times as the average LoS declined and organizational changes at the providers' level were conducted by implementing DRGs.
- The key challenges were the weak institutional support to keep the system up to date and the unavailability of national cost data for adjusting the DRG weights.
- Financial statements across hospitals are not standardized.





The DRG landscape - Croatia



Croatia



- In 2002, the HZZO started to shift towards a DRGbased payment system.
- Since around 2006, Croatia gradually moved towards the adoption of the Australian AR-DRGs payment system.
- Since 2009, almost all inpatient services and day surgeries are paid based on DRGs, and approximately 90 percent of hospital revenue comes from the HZZO.
- The introduction of DRG in Croatia led to increased efficiency without undermining quality.
- Challenges remain in implementation such as lack of training for medical coders and inadequate hospital computerization.



The DRG landscape - Bahrain



- In 2018, Bahrain attempted to adopt a DRG system as part of **the SEHATI transformation** and the introduction of a National Health Insurance Program.
- This includes changes to the financing methodology.
- The health system is relatively well functioning and encompassing.
- The current challenge is the implementation of more decentralized and private provision of health care services to reduce public spending.





The DRG landscape - Qatar



Qatar



- In 2013, Qatar introduced a national health insurance scheme, called "Seha" which is managed and operated by the government-owned National Health Insurance Company (NHIC).
- In 2014, the scheme was expanded to provide coverage for all Qatari nationals, and also expanding the range of providers involved in the scheme.
- Qatar follows ICD-10-AM and AR-DRG.
- Seha's challenges include expanding the scheme to a wider range of providers, including "stand" alone providers and addressing the limited availability of activity and cost information from the private sector.

Lessons learned from DRG implementation in small countries

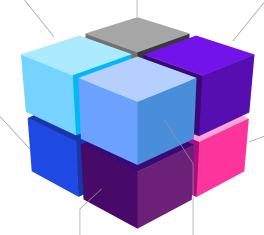
Coding standardization

- Defining a "standardized package" is challenging
- Procedure coding needs to be equally standardized

Resource availability

Experienced and skilled resources are rare





Implementation roadmap



- Takes **time** a) to plan, to ensure that the system fits the country b) to get stakeholders ready and c) to take the system fully live
- Realistic and achievable milestones must be set

Data availability and IT requirements

 Need of standardized cost accounting and data collection

Organization environment 💮

 The number of hospitals may be insufficient to ensure that prices are **independent** of each hospital's costs

Provider readiness

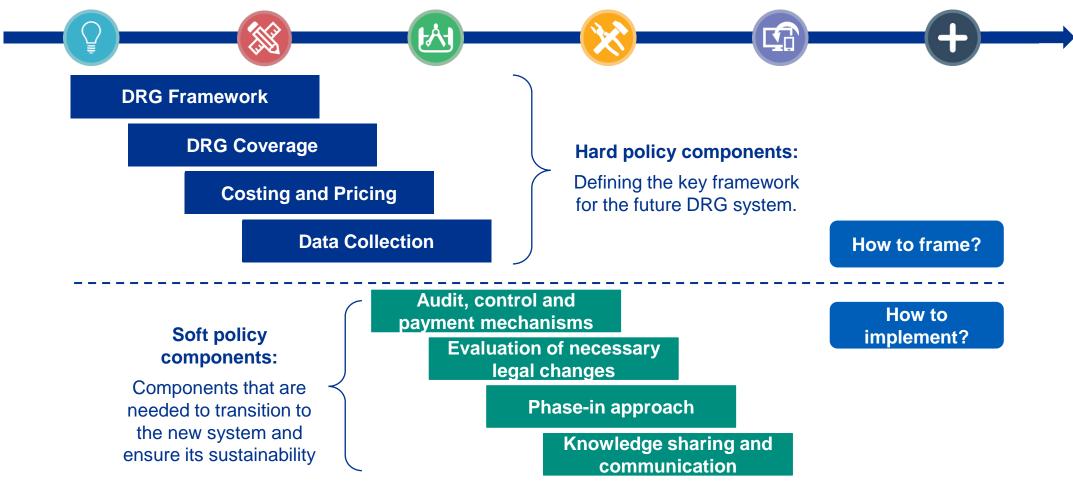
- Interdependencies need to be identified
- Awareness and incentives mechanisms to support a cultural change
- Special attention must be paid to the main providers

Change Management 🌣

 Essential to involve all stakeholders at an early stage and on an ongoing basis



The eight policy components form the general framework for the project approach





The first set of policy components define the context and data structure of the DRG system



DRG Framework



DRG Coverage



Costing and Pricing



Data Collection

Includes **overall goals** of the DRG system, the **base DRG** and the governance and management body.

Includes types of hospitals, types of services reimbursed (e.g. surgical day cases) as well as the applicability of the payment scheme.

Includes cost allocation methods, in- and exclusion of costs for the DRG scheme and the **shaping** of the base DRG system **to the countries** needs.

Definition of minimum data sets and the roles and responsibilities within the related governance body.



The second set of policy components focus on the necessary regulatory and DRG introduction steps



Audit, Control and Payment **Mechanisms**



Evaluation of Necessary Legal Changes



Phase-in Approach



Knowledge Sharing and Communication

Includes the responsible auditing body for claims and the required functions, roles and responsibilities.

Changes to the reimbursement policy need to be framed in regulatory action.

Decisions will cover the definition of **pilot hospitals** to be used for testing of the new reimbursement mechanism (incl. duration, process, and shadow-billing).

Focus on the **enablement of all stakeholders** to work in the new payment scheme through a **communication strategy** (incl. central support **for** education and training).



Contact

Natascha Andres

Senior Managerin, Health Care & Public Sector T +49 69 9587-6579 nandres@kpmg.com

KPMG AG Wirtschaftsprüfungsgesellschaft The SQUAIRE / Am Flughafen 60549 Frankfurt

Philipp Wacker

Assistant Manager, Health Care & Public Sector T +49 89 9282-1798 pwacker@kpmg.com

KPMG AG Wirtschaftsprüfungsgesellschaft Ganghoferstraße 29 80339 München



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From DRG to Value-Based Health Care (VBHC)

DRG

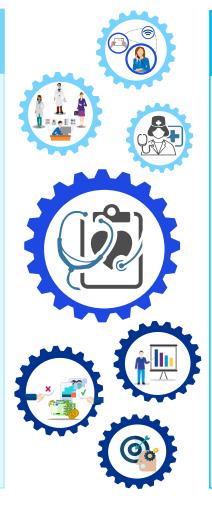
- DRG sets incentives for hospitals to reduce the cost per stay, irrespective of outcome.
- There are concerns that DRGs may narrowly focus on cost containment while undermining quality of care.

Specifically, DRGs may undermine quality by setting incentives for hospitals to:

- discharge patients earlier than clinically appropriate
- omit medically indicated tests and therapies
- over-provide certain services
- push patients into a higher paying DRG (upcodina)



Approach: Value-Based Health Care (VBHC)



Value-Based Health Care (VBHC)

- Despite challenging circumstances, the focus should always be on **benefits** for patients.
- If **value improves**, patients, payers, providers, and suppliers can all benefit while the economic sustainability of the health care system increases.
- However, the **notion of value is contested**. May include 1) allocative value, 2) technical value, 3) personal value, and 4) societal value.
- Value and health outcomes may be measured by quality indicators.
- **Example for VBHC** in practice: 'Integrated care' contract between the Techniker Krankenkasse (German sickness fund) and the Karlsruhe heart surgery hospital.

