

Data collection and requirements



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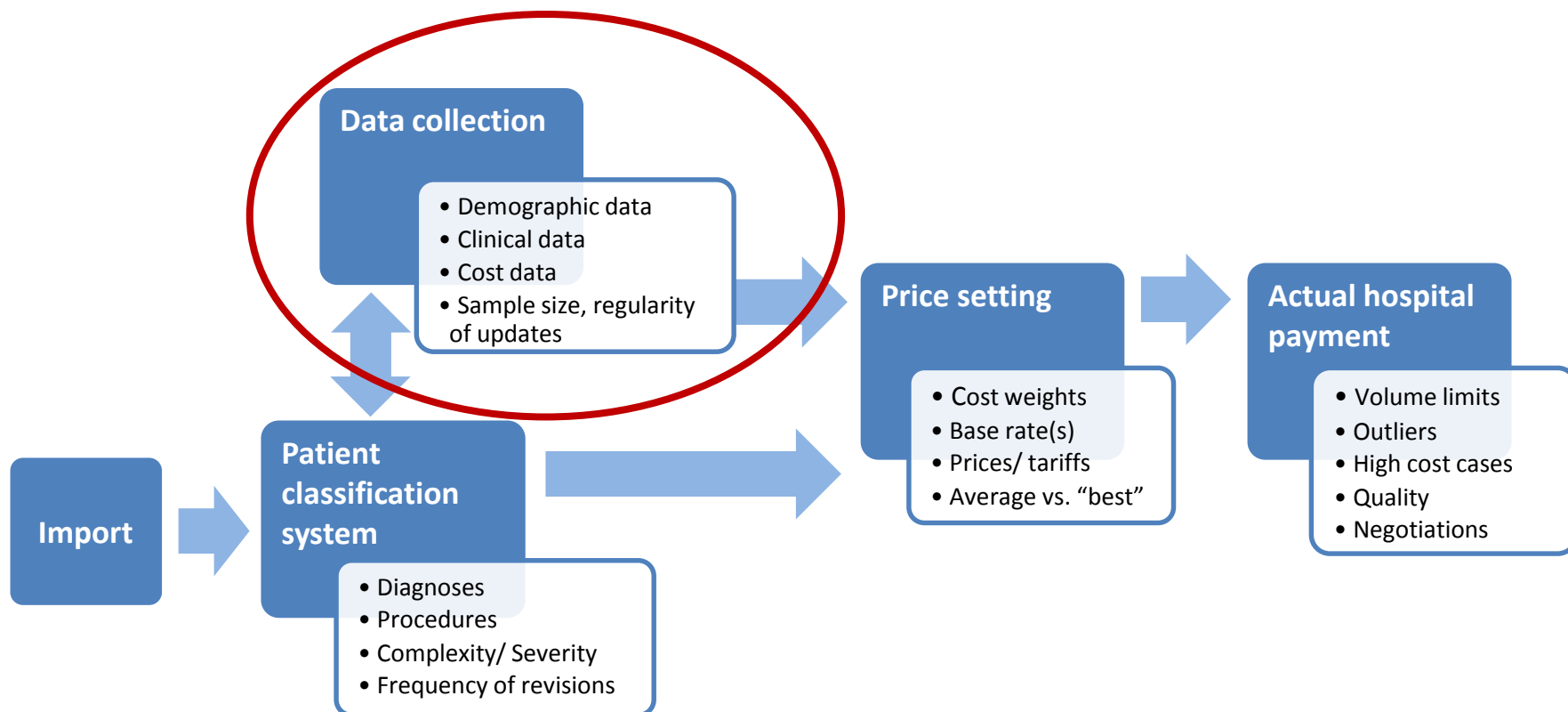
Technische Universität Berlin

WHO Collaborating Centre for Health Systems Research and Management

European Observatory on Health Systems and Policies



DRG system building blocks



Clinical data

→ classification system for diagnoses *and* procedures

Cost data

→ imported (often not appropriate but easy) *or*

→ collected within country (better but needs standardised cost accounting)

Sample size and updates

→ entire patient population *or*

→ a smaller sample

→ Regular *or* irregular updates (e.g. annually)

In practice

Many countries: *clinical data* = all patients;

cost data = hospital sample with standardised cost accounting system

Country	Diagnosis Coding	Procedure Coding
Austria	ICD-10-BMSG-2001	Leistungskatalog
England	ICD-10	OPCS (Classification of Interventions and Procedures)
Estonia	ICD-10	NCSP (Nomesco Classification of Surgical Procedures)
Finland	ICD-10-FI	NCSP-FI (Finnisch NCSP adaption)
France	CIM-10	CCAM (Classification Commune des Actes Médicaux)
Germany	ICD-10-GM	OPS (Operationen- und Prozedurenschlüssel)
Ireland	ICD-10-AM	ACHI (Australian Classification of Health Interventions)
Netherlands	ICD-10	Elektronische DBC Typeringslijst
Poland	ICD-10	ICD-9-CM
Portugal	ICD-9-CM	ICD-9-CM
Spain	ICD-9-CM	ICD-9-CM
Sweden	ICD-10-SE	KVÅ-Klassifikation av vårdåtgärder (Swedisch NCSP adaption)



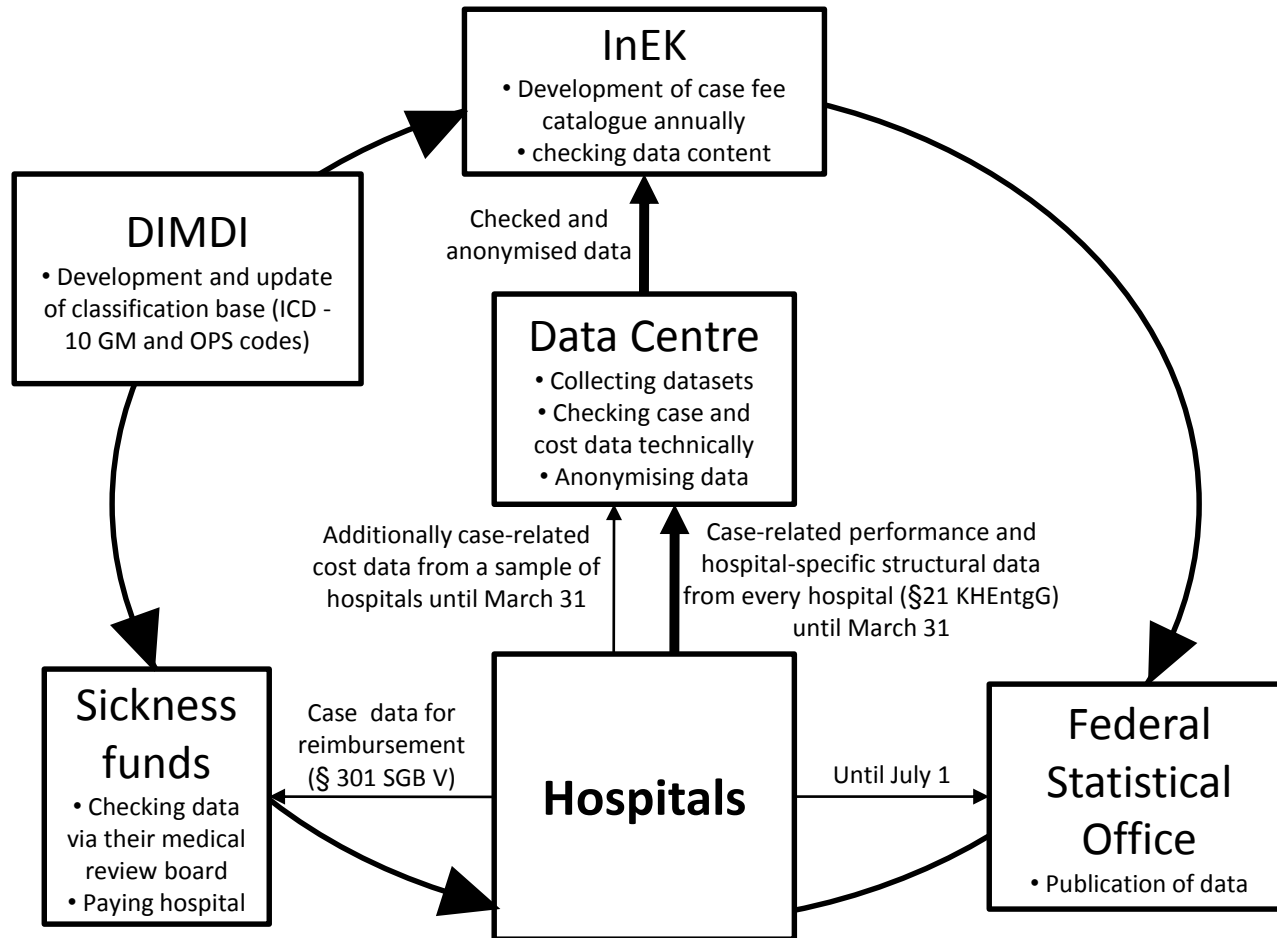
**(almost)
standardised**



no uniform standard available

Data collection process

Example: Germany



Grouping: Example hip replacement

https://www.drg-research-group.de/index.php?option=com_webgrouper&view=webgrouper&Itemid=107

Gender	<input type="text" value="männlich"/>	Age	<input type="text" value="66"/>	<input type="text" value="Jahre"/>						
Weight	<input type="text" value="0"/> Gramm	Voluntary yes/no	<input type="text" value="freiwillig"/>							
LoS	<input type="text" value="5"/> Tage	Duration of ventilation	<input type="text" value="0"/>	<input type="text" value="Stunden (max. 9999)"/>						
Type of department	<input type="text" value="Hauptabteilung"/>									
Type of admission	<input type="text" value="Krankenhausbehandlung, vollstationär"/>									
Reason for admission	<input type="text" value="Einweisung durch einen Arzt"/>									
Type of discharge	<input type="text" value="Behandlung regulär beendet"/>									
Diagnosen:	<input type="text" value="M16.1"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(ICD)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Prozeduren:	<input type="text" value="5-820"/>	<input type="text" value="am"/>	<input type="text" value="25.10.2019"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(OPS)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Basisfallwert:	<input type="text" value="3544,97"/>	<input type="text" value="€"/>								
G-DRG 2019	<input type="text" value="Gruppieren"/>	<input type="text" value="Neuer Fall"/>								

Grouping: Example hip replacement

Gruppierungsergebnis (G-DRG 2019)

MDC	08	Krankheiten und Störungen am Muskel-Skelett-System und Bindegewebe				
DRG	I69Z	Knochenkrankheiten und spezifische Arthropathien oder Muskel- und Sehnerkrankungen bei Para- oder Tetraplegie				
PCCL	0	Status: normales Grouping (GetDRG-Grouper 2019) (GetDRG V18.1.2)				
Verweildauer	aktuelle VWD:	5	1. Tag Abschlag:	1	1. Tag Zuschlag:	15
	mittl. VWD (arith.):	6,8	untere GVWD:	2	obere GVWD:	14
Kostengewicht	Basiskostengewicht:	0,734	eff. Kostengewicht:	0,734	(Zuschlag: 0)	
Entgelt	Basisentgelt:	2602,01 €	eff. Entgelt:	2602,01 €	(Zuschlag: 0,00 €; Basisfallpreis: 3544,97 €)	

Diagnosen (ICD-10-GM 2019)

Kode	Bezeichnung	Verwendet	CCL	
M16.1	Sonstige primäre Koxarthrose	J	0	gültig

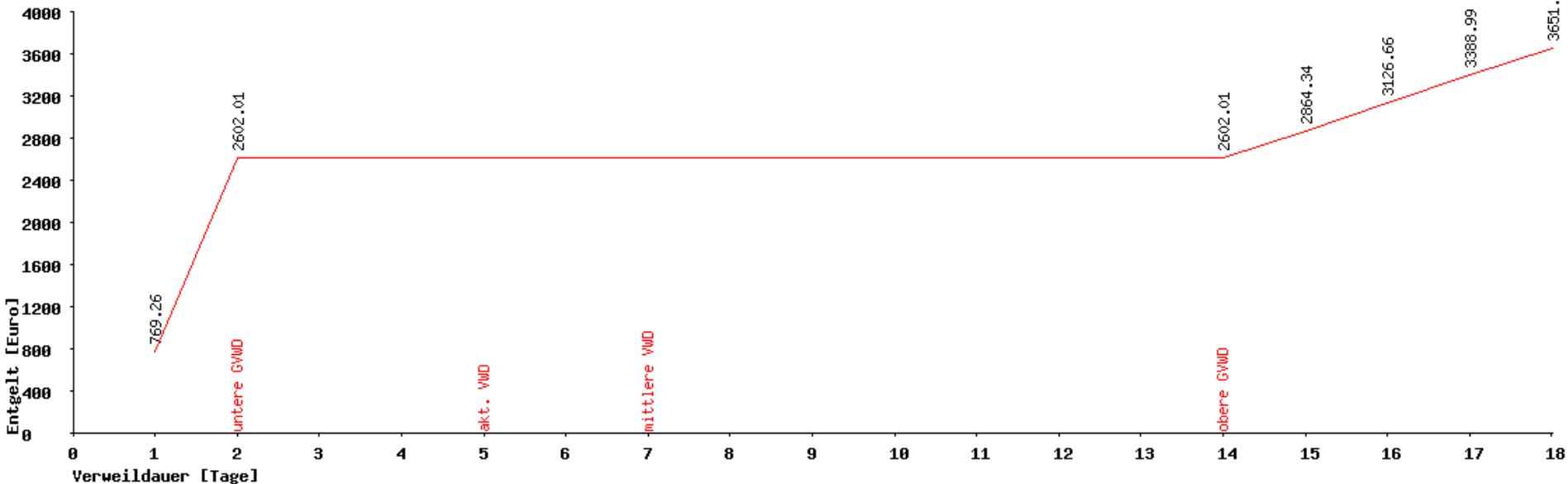
Prozeduren (OPS Version 2019)

Kode	Bezeichnung	Verwendet	OR/NOR	Amtlich
5-820	[Prozedur in dem Katalog nicht vorhanden!]	Optional		

DRG-Grafik

DRG-Grafik für GDRG2019 / I69Z (Basisfallpreis: 3544.97 Euro)

(c) DRG Research Group, Angaben ohne Gewähr.



Frequency of updates

Country	PCS		Payment rate	
	Frequency of updates	Time-lag to data	Frequency of updates	Time-lag to data
Austria	Annual	2–4 years	4–5 years	2–4 years
England	Annual	Minor revisions annually; irregular overhauls about every 5–6 years	Annual	3 years (but adjusted for inflation)
Estonia	Irregular (first update after 7 years)	1–2 years	Annual	1–2 years
Finland	Annual	1 year	Annual	0–1 year
France	Annual	1 year	Annual	2 years
Germany	Annual	2 years	Annual	2 years
Ireland	Every 4 years	Not applicable (imported AR-DRGs)	Annual (linked to Australian updates)	1–2 years
Netherlands	Irregular	Not standardized	Annual or when considered necessary	2 years, or based on negotiations
Poland	Irregular – planned twice per year	1 year	Annual update only of base rate	1 year
Portugal	Irregular	Not applicable (imported AP-DRGs)	Irregular	2–3 years
Spain (Catalonia)	Biennial	Not applicable (imported 3-year-old CMS-DRGs)	Annual	2–3 years
Sweden	Annual	1–2 years	Annual	2 years

Thank you very much for
your time and attention!

Slides available on:
www.mig.tu-berlin.de

