



Health care purchasing and payment systems in Germany

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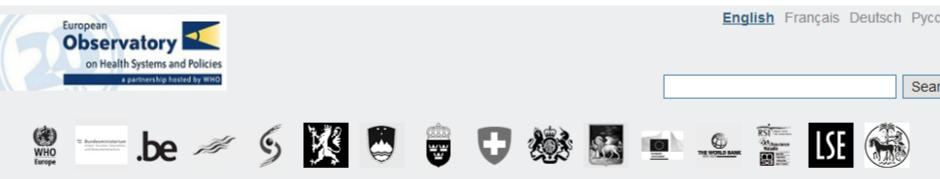
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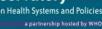




Health system review









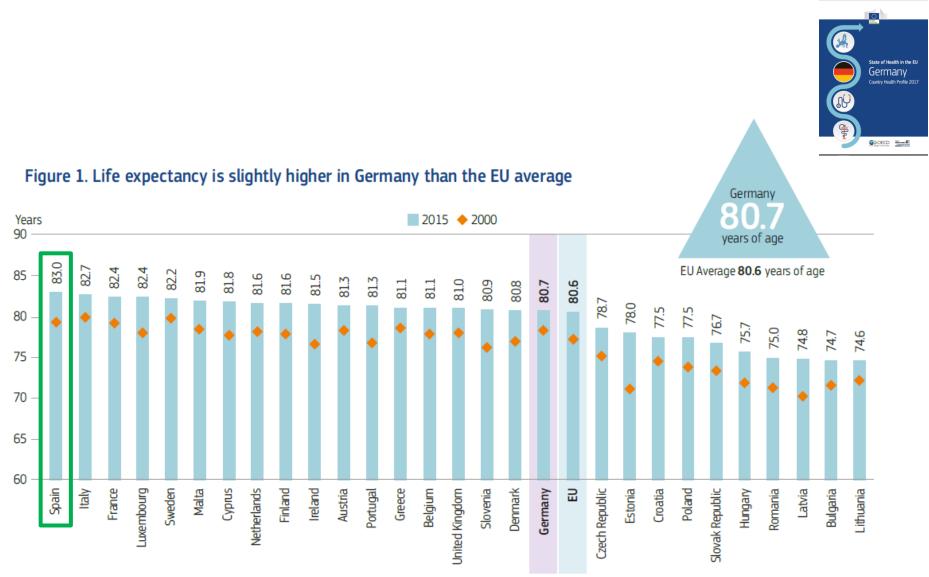


European Commission



Life expectancy in Germany is about average

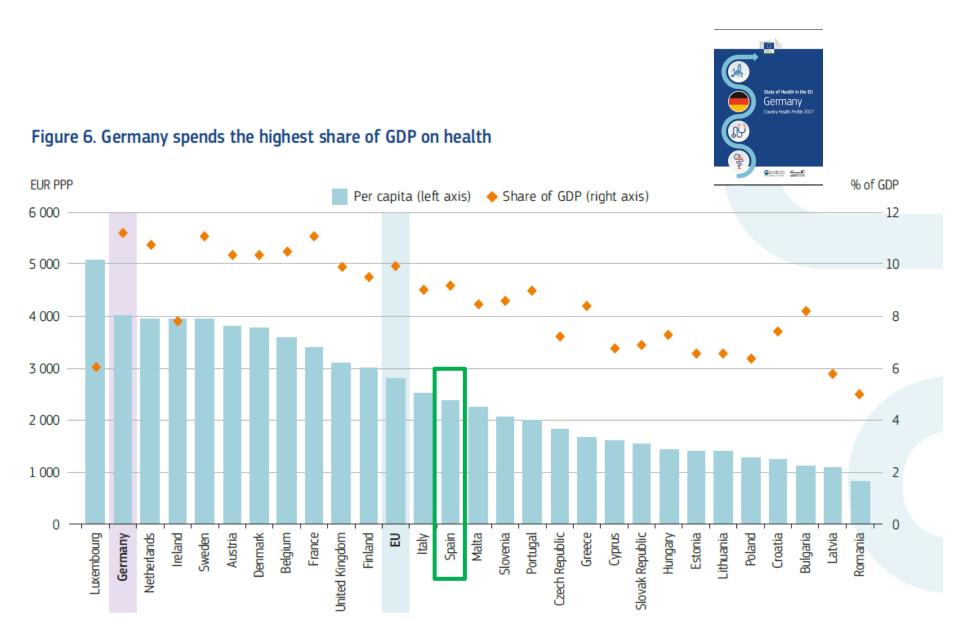




Source: Eurostat Database

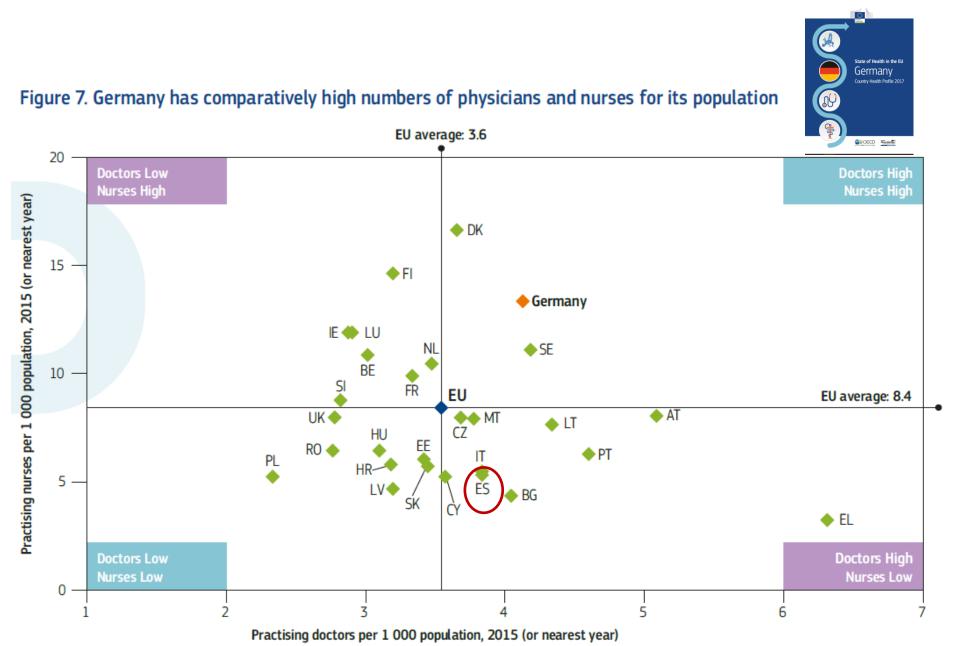
Health expenditures are very high





Germany has many physicians and nurses





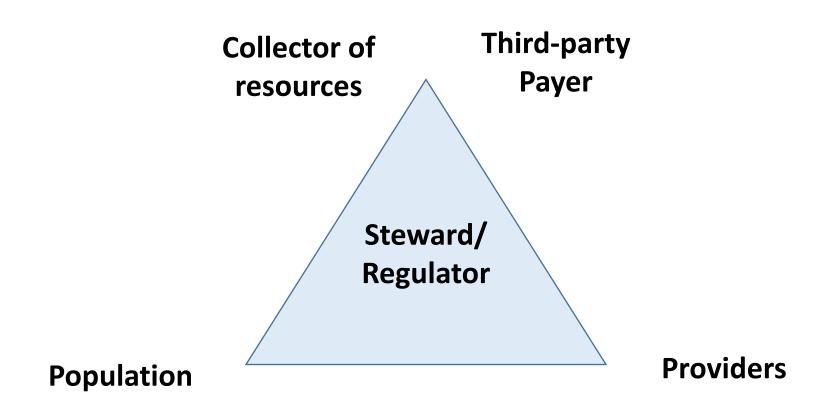
Germany has high numbers of hospital beds...



Acute care hospital beds per 100 000 750 ⁷⁰45% 65 600 Austria **65%** ---- Denmark 55 ->- Germany ---- Italy 500 Netherlands ---- Norway ---- Spain 450 ---- Sweden ---- Switzerland --- United Kingdom 400 350 300 250 Source: WHO/Europe, European HFA Database, July 2016 200 1995 2005 2015

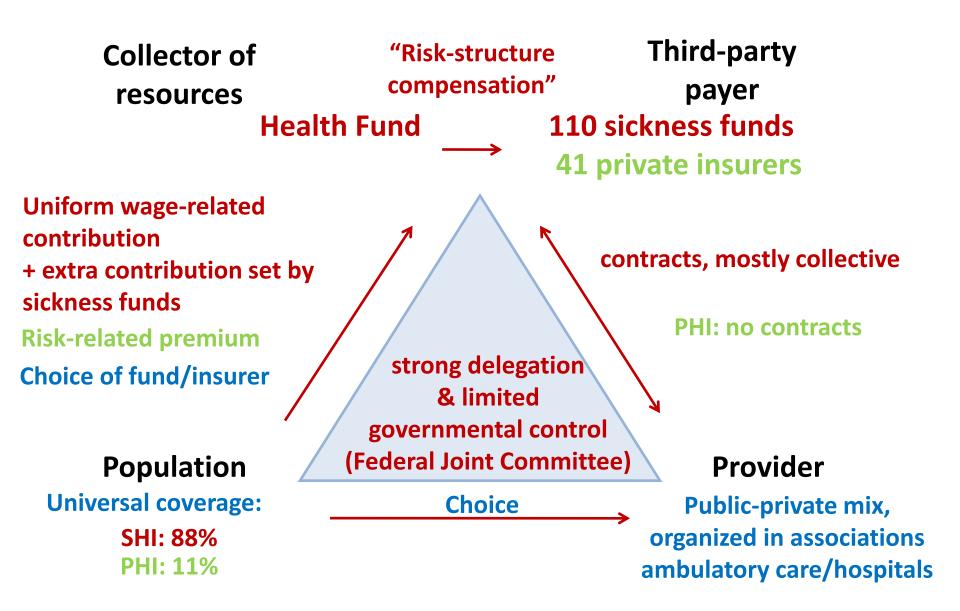
The health system triangle





The German system at a glance





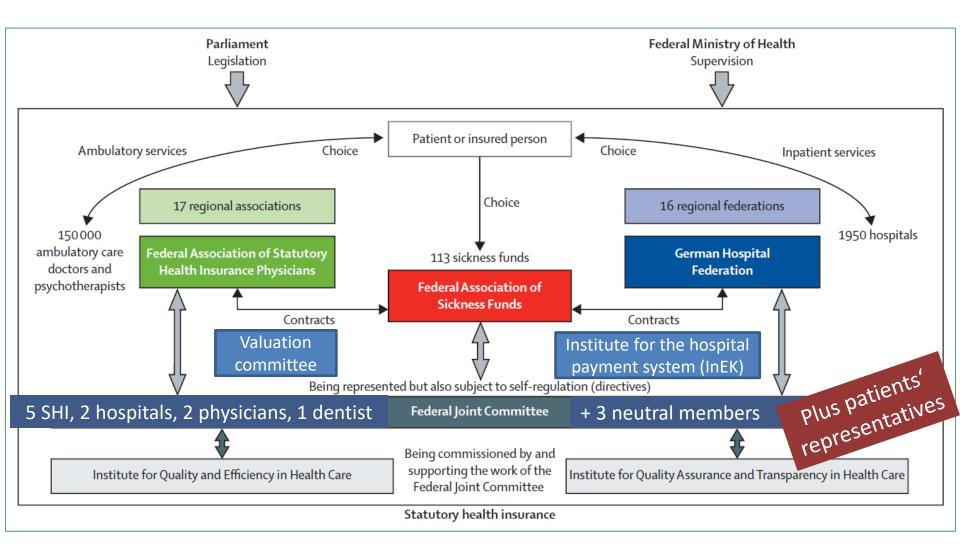
Key characteristics of the German health system



- Sharing of decision-making powers:
 - the federal government
 - sixteen *Länder* (states)
 - statutory organizations of payers and providers ("self-governance")
- German health care [almost] = SHI = Fifth Book of the German Social Law (SGB V)
 - defines self-regulated "corporatist" structures
 - gives them the duty and power to develop benefits, prices and standards
 - sectoral borders: separate planning, resource allocation, provision and financing for ambulatory (office-based physicians) and inpatient (hospitals) sector
- Existence of substitutive private health insurance alongside SHI

Strong reliance on self-governance and collective contracts with competition among providers and payers





Purchasing and payment: inpatient care

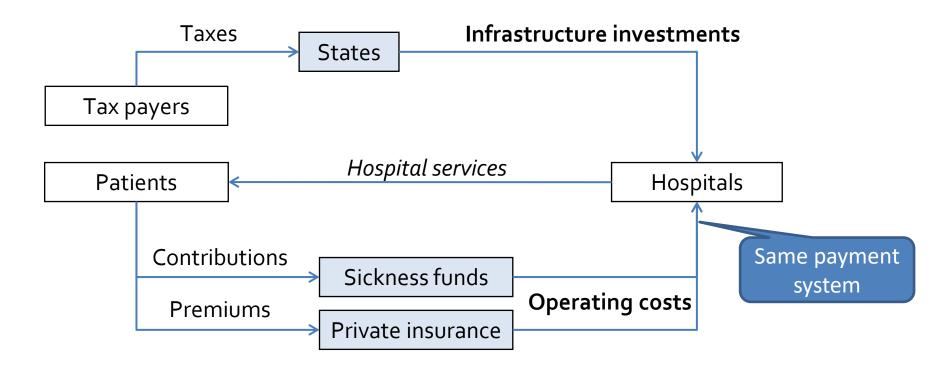


Hospital payment and capacity planning



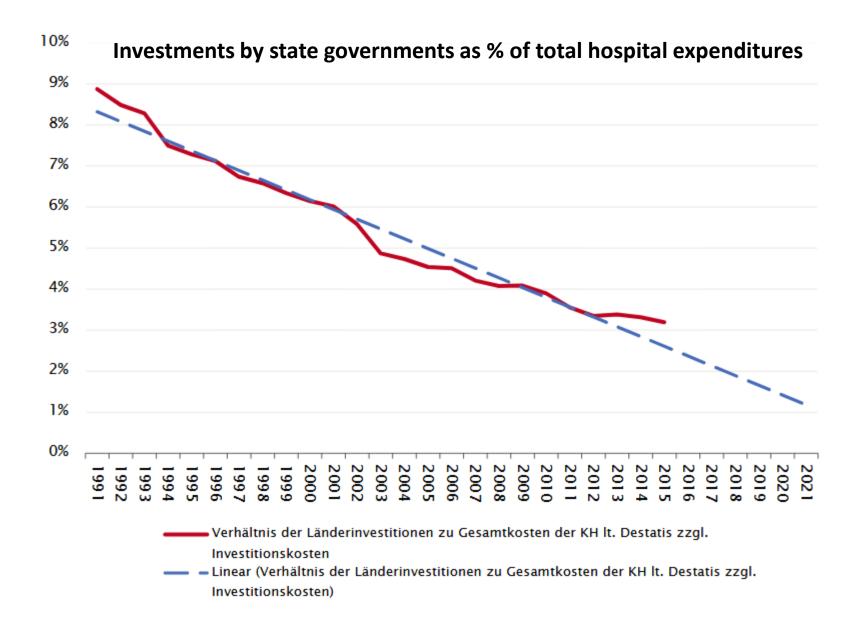
The Hospital Financing Act (KHG) of 1972 introduced the **"principle of duality"**

- State governments plan hospital capacities and finance investments
- Sickness funds and private insurance negotiate budgets and reimburse operating costs



Infrastructure investments

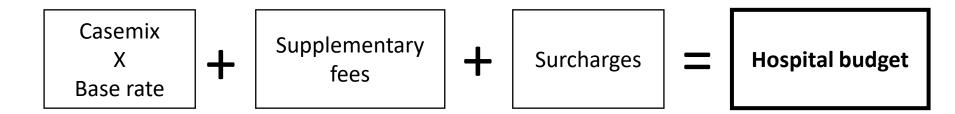




Operating costs

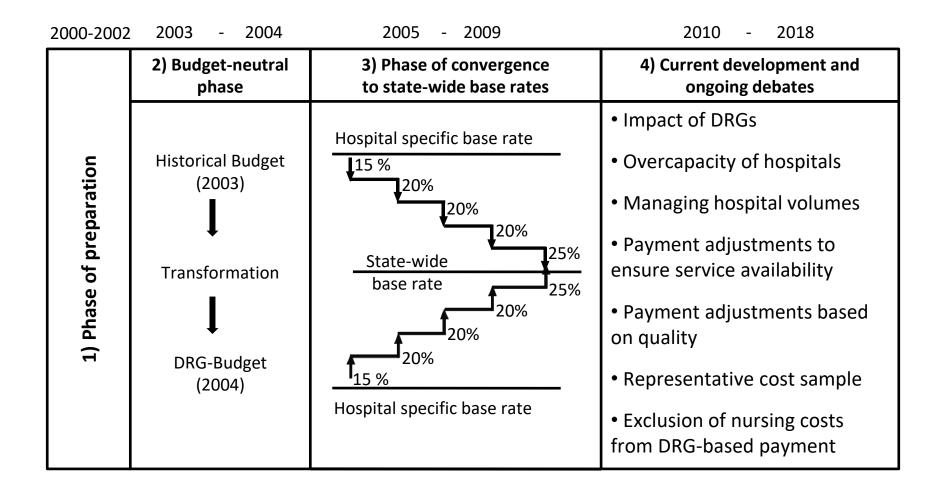


• Sickness funds negotiate activity based DRG budgets every year with every "planned" Hospital.



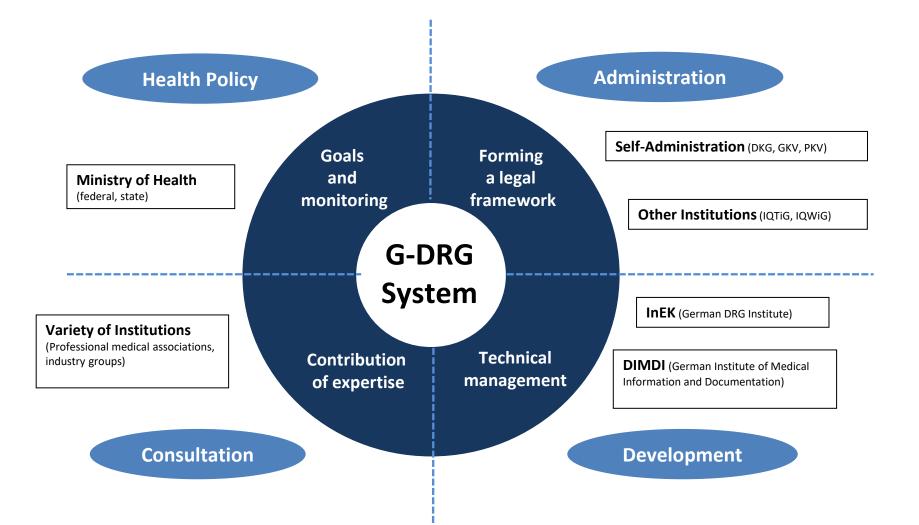
- Budget over-run adjustment (hospital pays back):
 - 65 % (standard DRGs), 25 % (drugs, medical, polytrauma and burns DRGs),
 Negotiations for certain DRGs (those that are difficult to predict)
- Budget under-run adjustment (hospital receives compensation) :
 - 20% (standard DRGs)





Tasks and stakeholders of G-DRGs

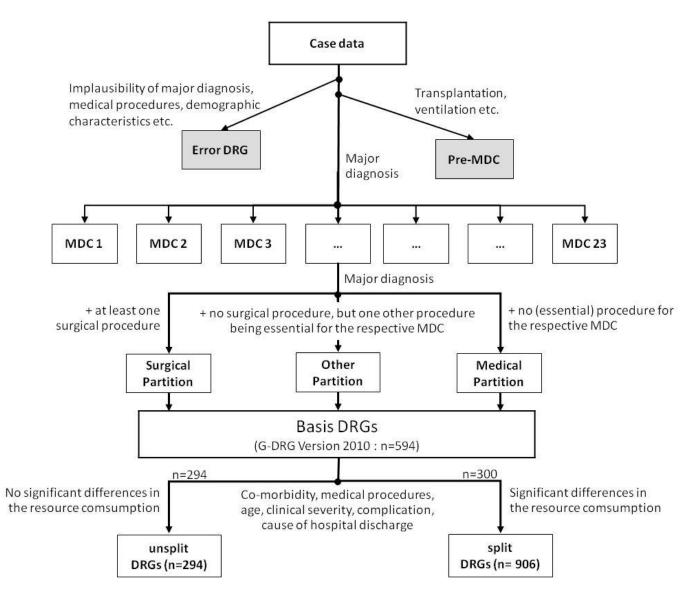




1) Phase of preparation:

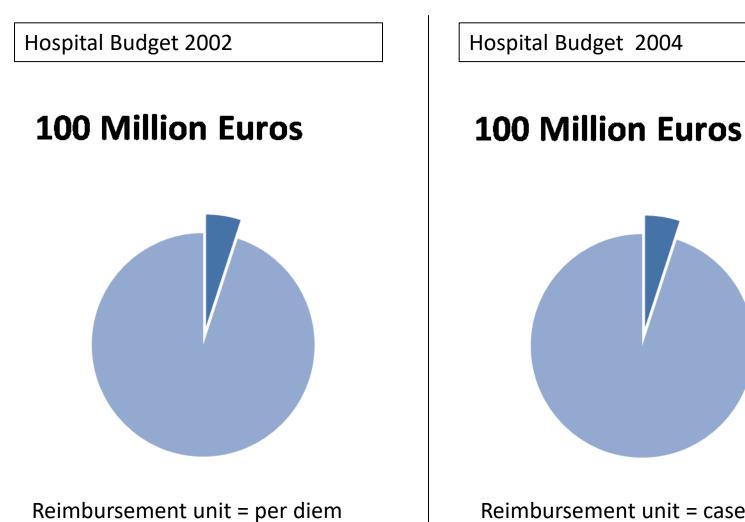


From AR-DRGs to G-DRGS



2) Budget neutral phase: Transfer to DRG budgets

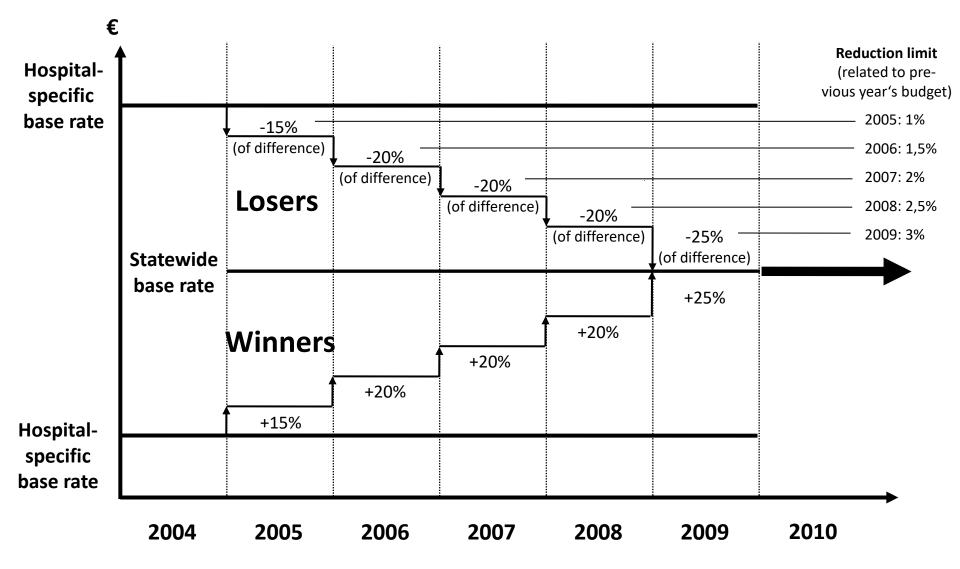




Reimbursement unit = case (DRG)

3) Phase of convergence: Five year process





Cost accounting in hospitals has been improved to develop DRG system and calculate cost weights

Patient level

Groups

Centre

Cost-

 Standardise approach in participating

\rightarrow Example: D (Hip revision

							JSI- EIE	ment G	roups					
i	ent level costing		dical staff	taff	administrative and		/ actual		gs,	osts/ ugs,		costs		
	andardised cost accounting proach in hospitals (volunt rticipating in the data sam	arily)	Labour costs of the other medical staff	2: Labour costs of the nursing staff	s of the	costs	4b: Drug costs (individual costs/ actual consumption)	costs of implants and grafts	6a: Material costs (without drugs, implants and grafts)	6b: Material costs (individual costs/ actual consumption, without drugs, implants/ grafts	: Medical infrastructure costs	Non- medical infrastructure costs		
Example: DRG 103A ip revision or replacement with cc)			1: Labou		3: Labour cost technical staff	4a: Drug costs	4b: Drug costs consumption)	<u>с</u> .		6b: Mater actual cor implants/		.: 80		1
		1		Labour				Materi	al		Infrast	tructure	Total	
	01: Normal ward	tal ۲ s	654	1744	80	156	41		131	19	371	1358	4554	
	02: Intensive care unit	Hospital units with beds	152	360	10	45	11		60	1	64	179	881	
2	03: Dialysis unit	H											0	
5	04: Operating room		623		401	23	32	1282	286	109	264	360	3380	
;	05: Anaesthesia		356		236	30	2		85	5	50	112	875	
)	06: Maternity room	Diagnostic and treatment areas											0	
;	07: Cardiac diagnostics/ therapy	tic nt a	2		2				1	2	1	1	8	
;	08: Endoscopic diagnostics/ therapy	nos	3		3		1		2		2	2	12	
;	09: Radiology	iag	46		67	1		2	14	41	24	45	240	
	10: Laboratories	t D	18		110	6	339		75	82	12	50	694	
	11: Other diagnostic and therapeutic areas		36	2	271	1			14	16	15	111	468	
		Total	1890	2106	1180	261	424	1283	669	276	803	2219	11 112	
		L												•

Cost- Element Groups



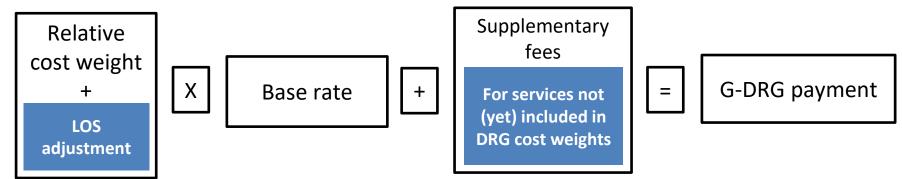
Annual revisions have improved the G-DRG system: increasing numbers of groups, and better costpredictive value



- Early years: Major revisions to increase precision
- Later years: development has stabilized

Year	2003	2004	2005	2006	2008	2010	2012	2014
DRGs total	664	824	878	954	1137	1200	1193	1196
Base-DRGs	411	471	614	578	604	609	595	588
Unsplit		236	454	353	318	293	290	287
Severity levels	4	5	7	8	9	9	9	9
Inpatient DRGs total	664	824	878	952	1132	1195	1189	1191
- valuated	642	806	845	912	1089	1154	1149	1148
- unvaluated	22	18	33	40	43	41	40	43
Day care DRGs total	0	0	0	2	5	5	5	5
- valuated	0	0	0	1	1	1	1	2
- unvaluated	0	0	0	1	4	4	4	3
R ² all cases	0.4556	0.5577	0.6388	0.6805	0.7209	0.7443	0.754	0.7671
R ² inlier	0.6211	0.7022	0.7796	0.7884	0.8166	0.843	0.844	0.8533

... and LOS adjustments and supplementary fees individualize payment to avoid skimping/ creaming and to incentivize innovations

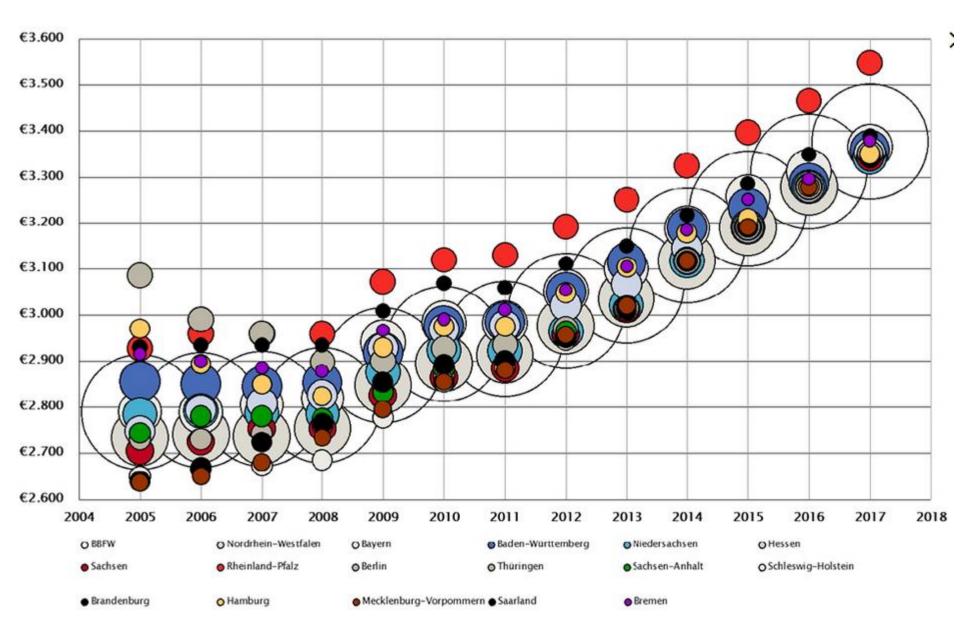


MiG

Year	2003	2004	2005	2006	2008	2010	2012	2014
Range of cost weights: minmax. (rounded)	0.12- 29.71	0.11- 48.27	0.12- 57.63	0.12- 65.70	0.11- 68.97	0.13- 73.76	0.14- 65.34	0.14- 64.14
Supplementary fees	0	26	71	83	115	143	150	159
- valuated	0	1	35	41	64	81	82	95
- unvaluated	0	25	36	42	51	62	64	64

Total hospital payment depends on the base-rate



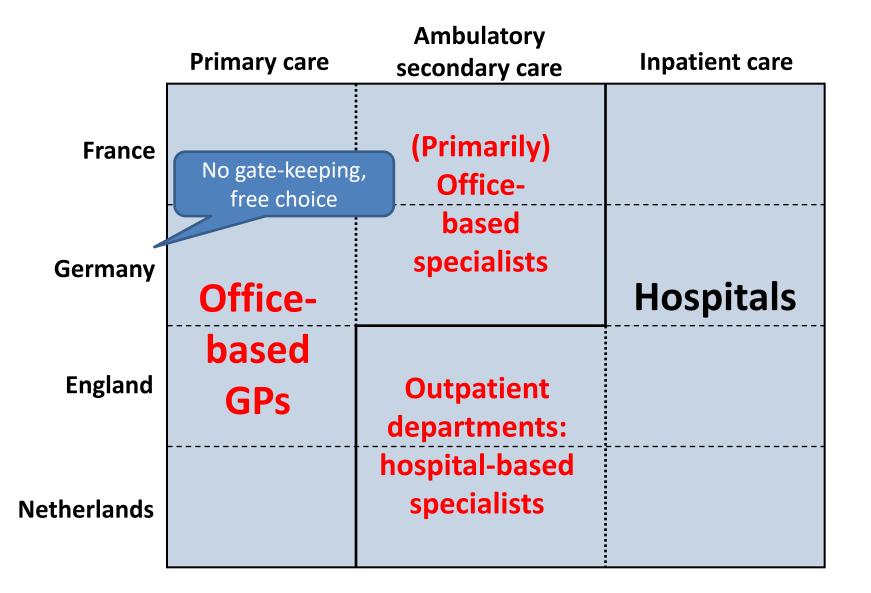


Purchasing and payment: ambulatory care

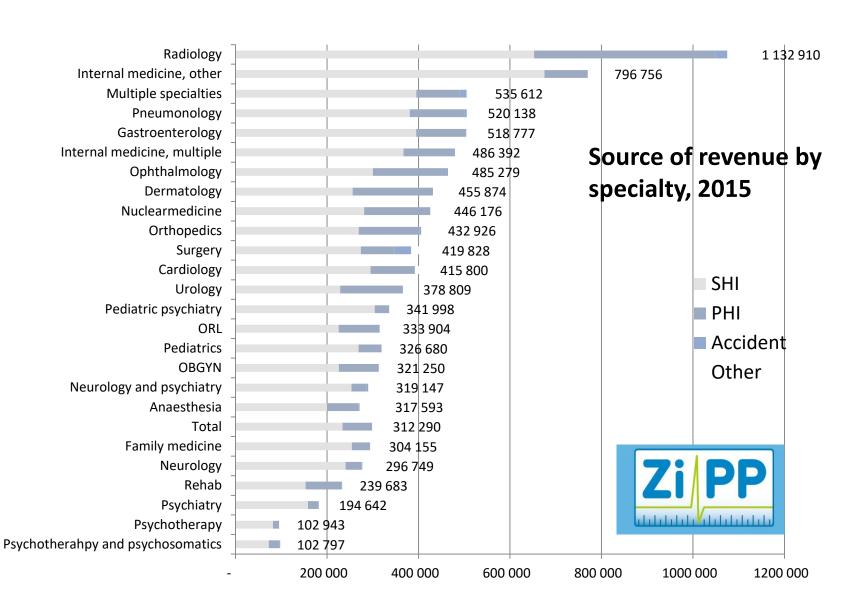


Context is important for physician payment in ambulatory care





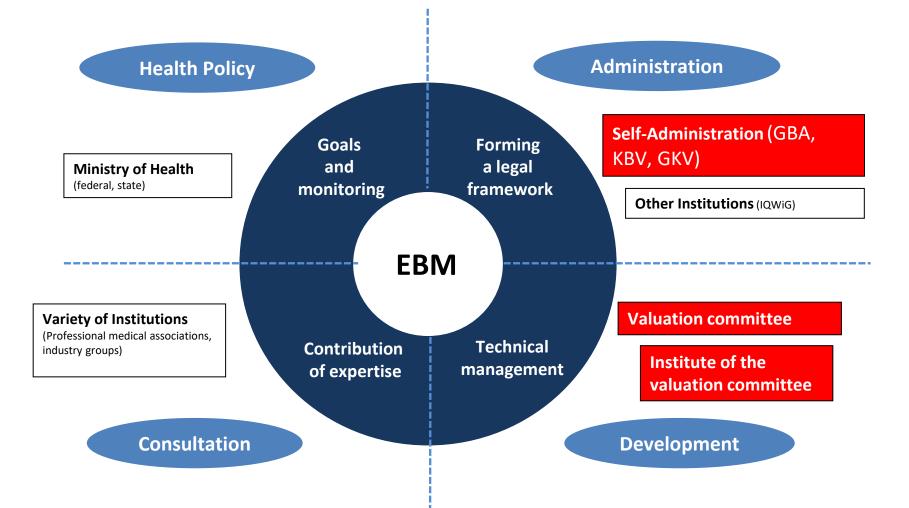
Different payment mechanisms for patients with SHI and those with Private Health Insurance





Tasks and stakeholders of the ambulatory physician payment system



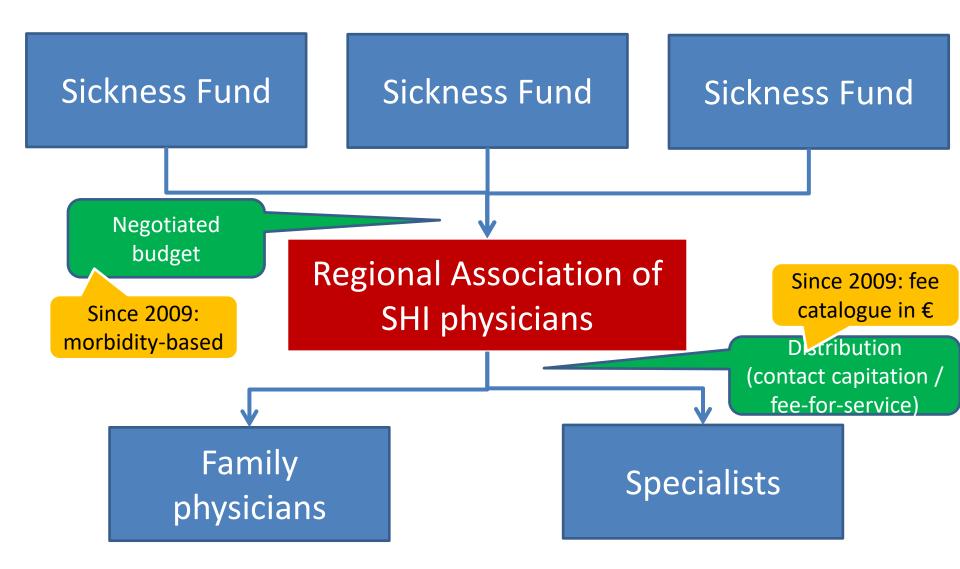


Ambulatory care purchasing and payment in the SHI system

- Federal Joint Committee (GBA) determines catalogue of ambulatory benefits
- Regional Associations of SHI physicians (KVs) have legal obligation to guarantee the availability of services
- Needs-based planning limits the number of physicians in attractive areas and assures availability in rural areas
- Negotiations between associations of SHI physicians and associations of sickness funds determine the payment system and payment level

Combining fee-for-service payment with budget for cost control

₩ MiG



Ambulatory SHI physician payment is determined King by

- 1. Negotiated morbidity-based overall remuneration
 - Influenced by assessed change rate of morbidity
 - Determined by coded ambulatory diagnoses
- 2. A fee catalogue called Uniform Value Scale (EBM)

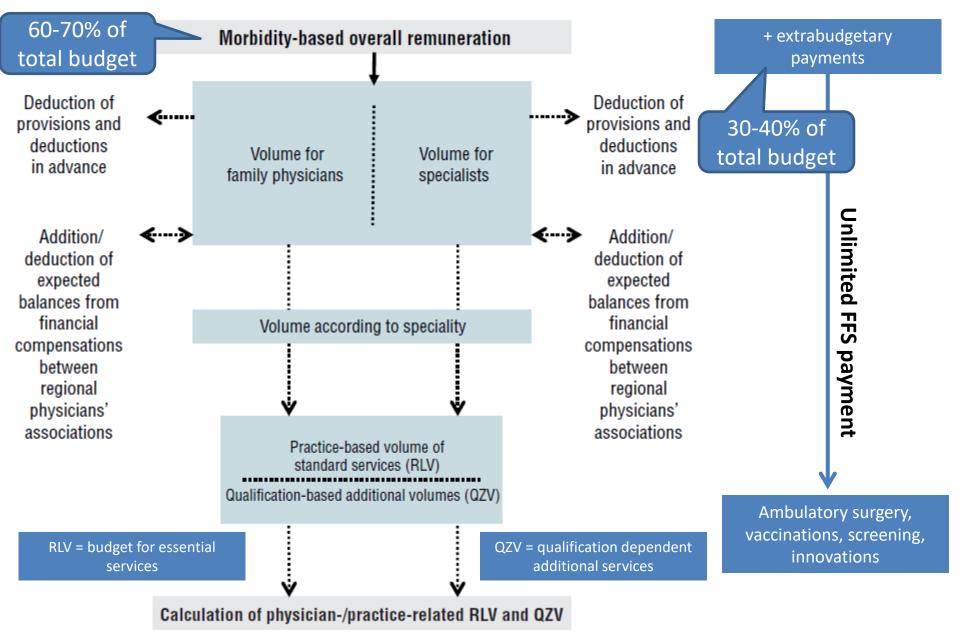


Round about 2,500 Services (incl. the contact capitations)

- 3. A monetary conversion factor (Orientierungswert)
 - Regional negotiations determine actual monetary value

Ambulatory SHI physician payment since 2009





The valuation committee is the central decision making body for ambulatory physician payment



- Equal representation of
 - The Federal Association of SHI physicians (KBV)
 - The Federal Assocation of Sickness Funds (GKV)
- The valuation committee takes decisions about:
 - EBM and monetary conversion factor
 - Morbidity of SHI insured
 - The system of morbidity-based overall remuneration
- If KBV and GKV fail to reach an agreement, Valuation Committee can be extended:
 - Three neutral members jointly appointed by KBV and GKV (or by MoH if they fail to reach agreement)

FFS system development: Basis for updates of relative value units



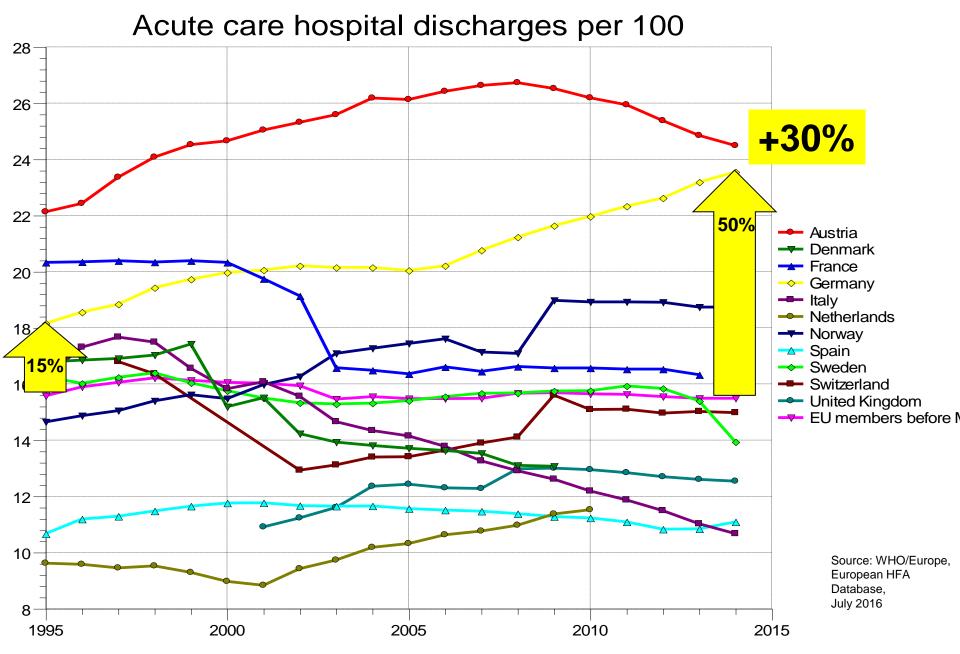
- Two parts: (1) physician work and (2) practice expenses.
- Time estimates per service based on expert opinion (physicians' input).
- Practice expenses include capital costs, personnel costs, rents etc. → estimated based on costing studies.
- Normative physician income per minute based on normative annual income (€106,000 since 2007), and estimates of annual working time.

Current challenges and debates



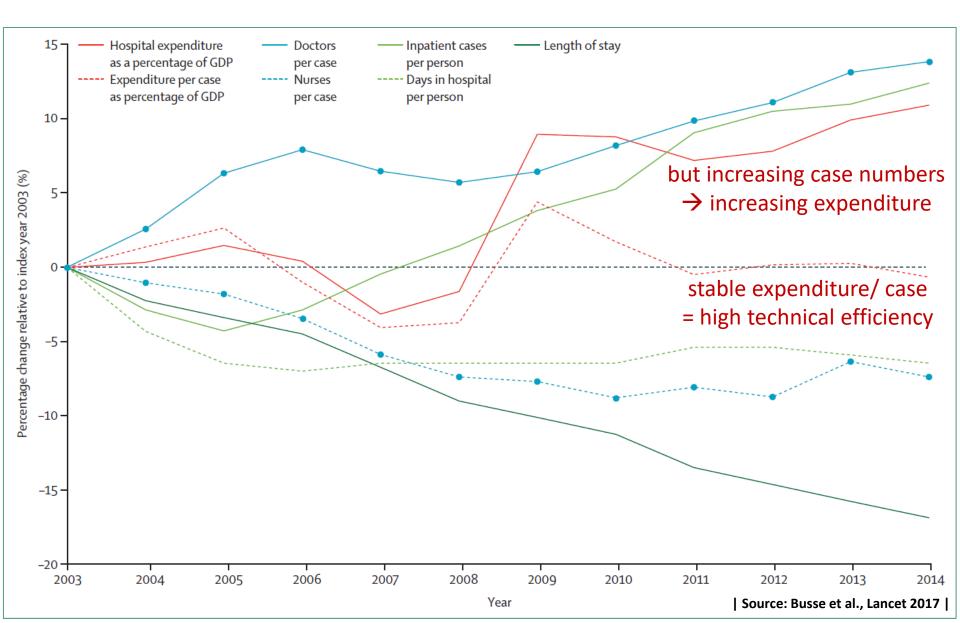
Increasing numbers of hospital discharges





Increasing hospital expenditures despite stable costs per case (in comparison to GDP)





Inpatient care purchasing and payment: Developments and debates



- Impact of DRGs
- Overcapacity of hospitals \rightarrow renewed focus on planning
- Managing hospital volumes
- Representative cost sample (implemented in 2016)
- Payment adjustments to ensure service availability (since 2017)
- Payment adjustments based on quality (in progress)
- Exclusion of nursing costs from DRG-based payment (current coalition agreement)

Ongoing reform of EBM



- Large income discrepancies across specialties indicate problems with relative values of fee catalogue
- Stepwise reform (originally planned for 2013)
- 2013: Introducing age-weighting of contact capitations
- Planned for 2019:
 - recalculation of RVUs using practice cost data of federal statistical office,
 - redefining normative income,
 - re-estimating time needs

Challenges and debates in ambulatory care



- Ensuring service availability in rural areas
- Different reimbursement systems between SHI and PHI
- Waiting times in SHI (despite short waiting times in international comparison)
 - New appointment service (max. wait time 4 weeks)
 - Longer opening hours (draft law)
- New ambulatory payment system: Commission just started work
- Working group of federal and state governments on new regulatory framework to overcome sectoral borders

Conclusions



- Payment systems in ambulatory care and inpatient care have developed over many decades
 - One large payment reform for hospital payment and one large reform of ambulatory payment over past 15 years
 - Numerous small and incremental reforms
- Existing systems are highly complex, aiming to balance incentives for service provision with aims of cost control
- Current payment reforms in inpatient care focus on improving quality and service availability
- Current and ongoing payment reforms in ambulatory care focus on service availability and (maybe) equity

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work best requires further research and monitoring of those payment systems currently being used and developed.

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Diagnosis- Related Groups in

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DRG-type hospital payment in Germany: The G-DRG system

Wilm Quentin, Alexander Geissler, David Scheller-Kreinsen, Reinhard Busse

European Observatory on Health Systems and Policies Series

Diagnosis-Related Groups in **Europe**

Moving towards transparency, efficiency and quality in hospitals

Related Groups in

PAYMENT & INSURANCE

By Wilm Quentin, David Scheller-Kreinsen, Miriam Blümel, Alexander Geissler, and Reinhard Busse

Hospital Payment Based On **Diagnosis-Related Groups Differs** In Europe And Holds Lessons For The United States

II: 10.1377/http://dimeter.2012.0876 HEALTH AFFAIRS 3.2. ND. 4 (2013): 713-723 ©2013 Project HOPE-The People & o People Health Fandstion, Inc.

ABSTRACT England, France, Germany, the Netherlands, and Sweden spend less as a share of gross domestic product on hospital care than the United States while delivering high-quality services. All five European countries have hospital payment systems based on diagnosis-related groups (DRGs) that classify patients of similar clinical characteristics and comparable costs. Inspired by Medicare's inpatient prospective payment system, which originated the use of DRGs, European DRG systems have implemented different design options and are generally more detailed than Medicare's system, to better distinguish among patients with less and more complex conditions. Incentives to treat more cases are often counterbalanced by volume ceilings in European DRG systems. European payments are usually broader in scope than those in the United States, including physician salaries and readmissions. These European systems, discussed in more detail in the article, suggest potential innovations for ning DRG-based beenital naves out in the United States

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Paying hospital specialists: Experiences and lessons from eight



high-income countries*

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Kowarda Bealth reform Hospitals Physician payment Comparative research



Payment systems for specialists in hospitals can have far reaching consequences for the efficiency and quality of care. This article presents a comparative analysis of payment systems for specialists in hospitals of eight high-income countries (Canada, England, France, Germany, Sweden, Switzerland, the Netherlands, and the USA/Medicare system). A theoretical framework highlighting the incentives of different payment systems is used to identify potentially interesting reform approaches. In five countries,most specialists work as employees - but in Canada, the Netherlands and the USA, a majority of specialists are self-employed. The main findings of our review include: (1) many countries are increasingly shifting towards blended payment systems: (2) bundled payments introduced in the Netherlands and Switzerland as well as systematic bonus schemes for salaried employees (most countries) contribute to broadening the scope of payment; (3) payment adequacy is being improved through regular revisions of fee levels on the basis of more objective data sources (e.g. in the USA) and through individual pay-



Thank you very much for your time and attention!

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