

HMM 4401– ICD10 and DRG

Ivar Sønbo Kristiansen
Institute of Health Management and Health Economics
University of Oslo
Institute of Public Health
University of Southern Denmark at Odense

ICD 10

- International Classification of Diseases:
- <http://www.who.int/classifications/icd/en/>
- Choose ICD10 Online

Chapter Blocks	Title
I	A00-B99 Certain infectious and parasitic diseases
II	C00-D48 Neoplasms
III	D50-D89 Diseases of the blood, blood-forming organs and immune disorders
IV	E00-E90 Endocrine, nutritional and metabolic diseases
V	F00-F99 Mental and behavioural disorders
VI	G00-G99 Diseases of the nervous system
VII	H00-H59 Diseases of the eye and adnexa
VIII	H60-H95 Diseases of the ear and mastoid process
IX	I00-I99 Diseases of the circulatory system
X	J00-J99 Diseases of the respiratory system
XI	K00-K93 Diseases of the digestive system
XII	L00-L99 Diseases of the skin and subcutaneous tissue
XIII	M00-M99 Diseases of the musculoskeletal system and connective tissue
XIV	N00-N99 Diseases of the genitourinary system
XV	O00-O99 Pregnancy, childbirth and the puerperium
XVI	P00-P96 Certain conditions originating in the perinatal period
XVII	Q00-Q99 Congenital malformations, deformations and chromosomal abnormalities
XVIII	R00-R99 Symptoms, signs and abnormal clinical and laboratory findings
XIX	S00-T98 Injury, poisoning and certain other consequences of external causes
XX	V01-Y98 External causes of morbidity and mortality
XXI	Z00-Z99 Factors influencing health status and contact with health services
XXII	U00-U99 Codes for special purposes

ICD 10

- International Classification of Diseases:
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- Sword (cause) and star (effect)

Procedure codes

- NCSP (Nordic Classification of Surgical Procedures)
- www.kith.no -> kodeverk -> oversikt
kodeverk ->

NCSP Systematisk del

KAPITTEL A Nervesystemet

KAPITTEL B Endokrine organer

KAPITTEL C Øyet og øyeregionen

KAPITTEL D Øre, nese, bihuler og strupehode

KAPITTEL E Tenner, kjever, munn og pharynx

KAPITTEL F Hjertet og de store intratorakale kar

KAPITTEL G Brystvegg, pleura, diafragma, trachea, bronkier, lunger og mediastinum

KAPITTEL H Mamma

KAPITTEL J Fordøyelsesorganer og milt

KAPITTEL K Urinorganer, mannlige genitalia og retroperitonealrommet

KAPITTEL L Kvinnelige kjønnsorganer

KAPITTEL M Fødselshjelp

KAPITTEL N Bevegelsesapparatet

KAPITTEL P Perifere kar og lymfesystemet

KAPITTEL Q Hud

KAPITTEL T Mindre kirurgiske inngrep

KAPITTEL U Transluminal endoskopi

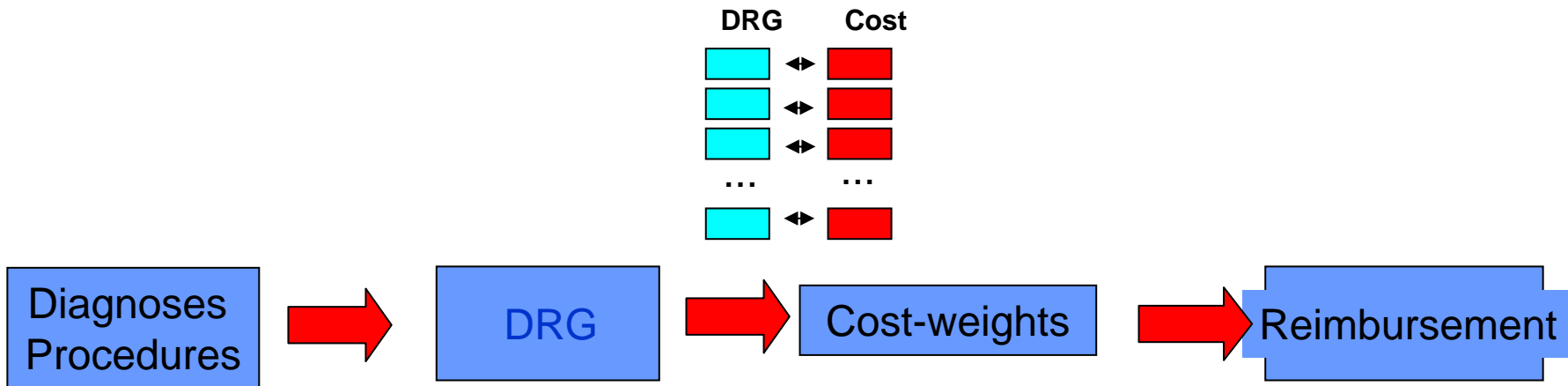
KAPITTEL X Undersøkelser i forbindelse med kirurgiske inngrep

KAPITTEL Y Uttak av organer eller vev til transplantasjon

KAPITTEL Z Tilleggs-koder til alle øvrige kapitler

DRG – Diagnosis Related Groups

From medical codes to DRG-reimbursement



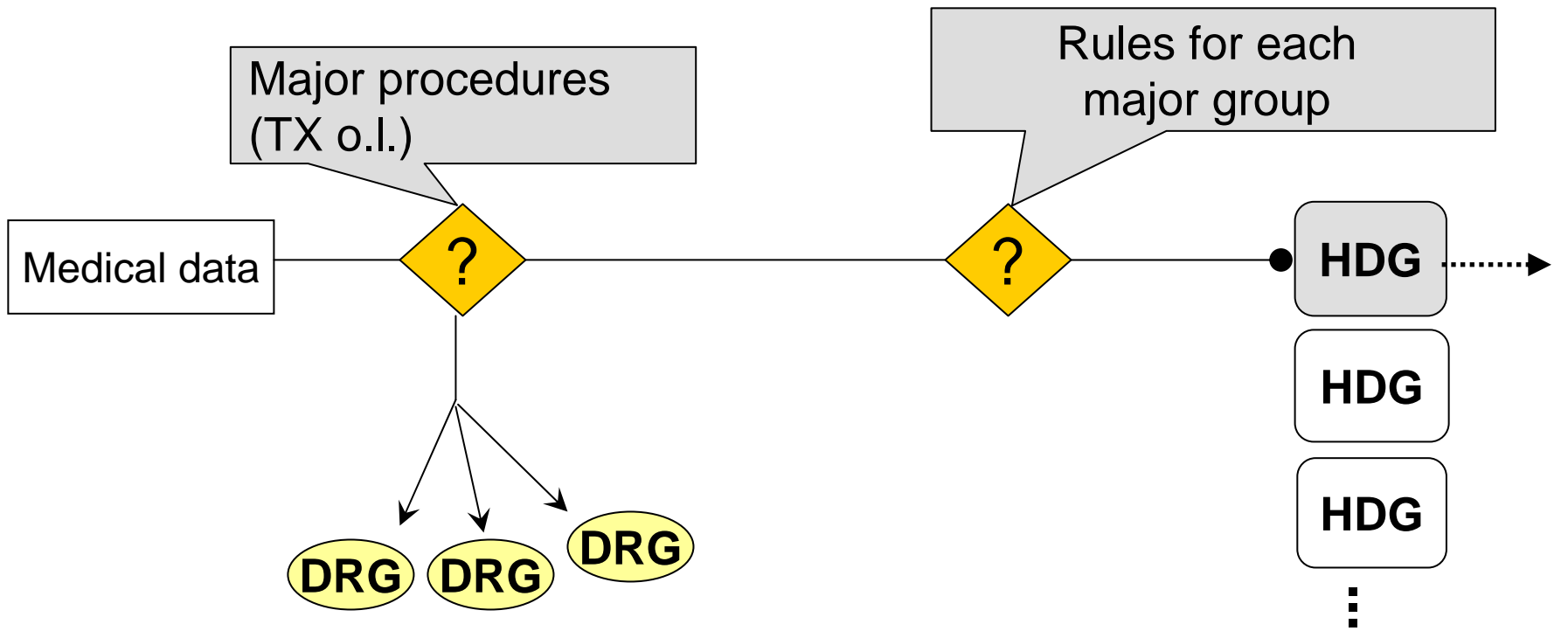
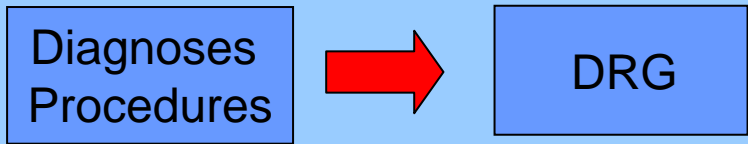
DRG logic

Homogenous costs

- Limited cost variation within each DRG

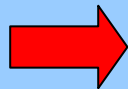
Medical relevant

- Patients within each DRG shall be medical “homogenous
- The system shall describe medical practice



Example: Svulster i nyrer: HDG 11 -“Nyre- og urinveissykdommer”

Diagnoser
Procedures

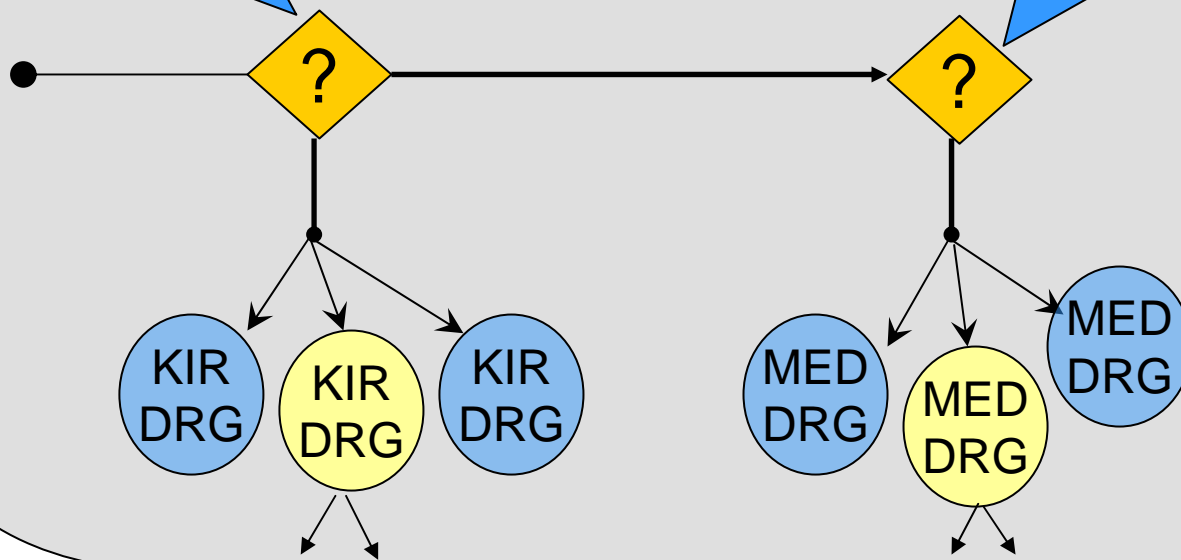


DRG

HDG 11: -"Nyre- og urinveissykdommer"

Which procedures ?

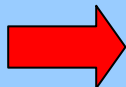
Which diagnoses ?



Eks. DRG 303- Nyreoperasjon
på grunn av svulst

Eks. DRG 319 -
Svulster i nyre

Diagnoser
Prosedyrer



DRG

utvalg av
DRG-er

Complications?

K M

?

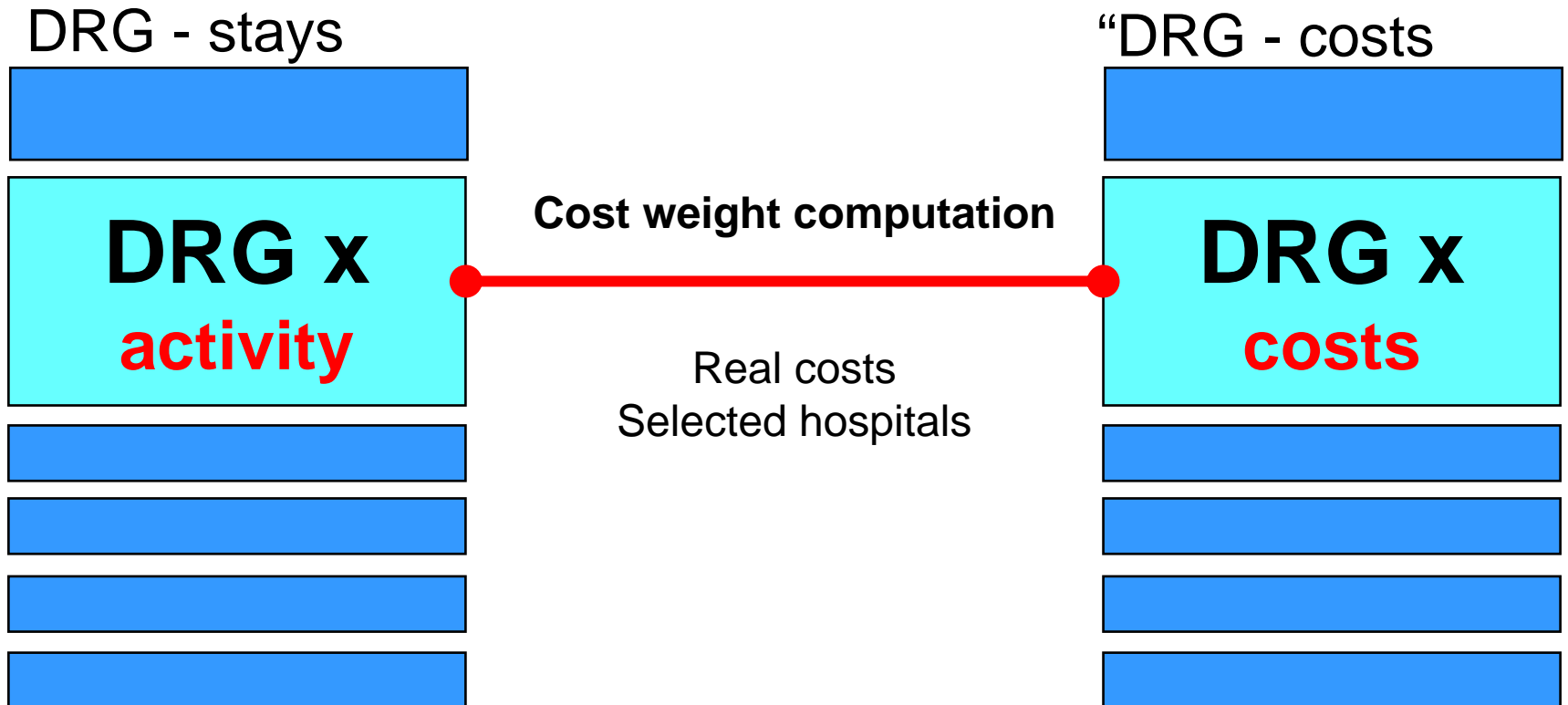
complicated
DRG

Uncomplicated
DRG

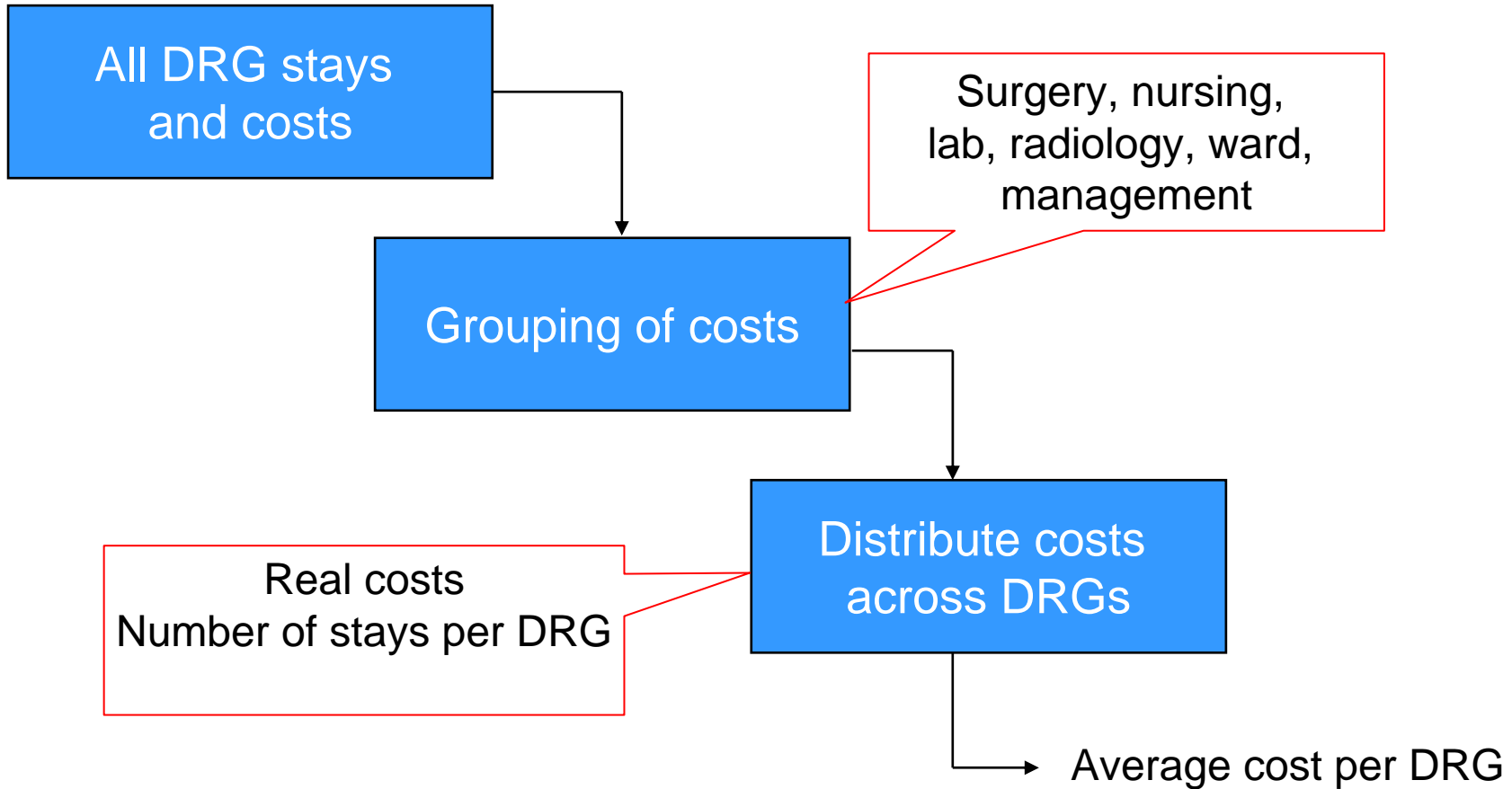
Eks. DRG 318 -
Svulster i nyrer m/bk

Eks. DRG 319 -
Svulster i nyrer u/bk

Activity and costs – per DRG



DRG weight computation

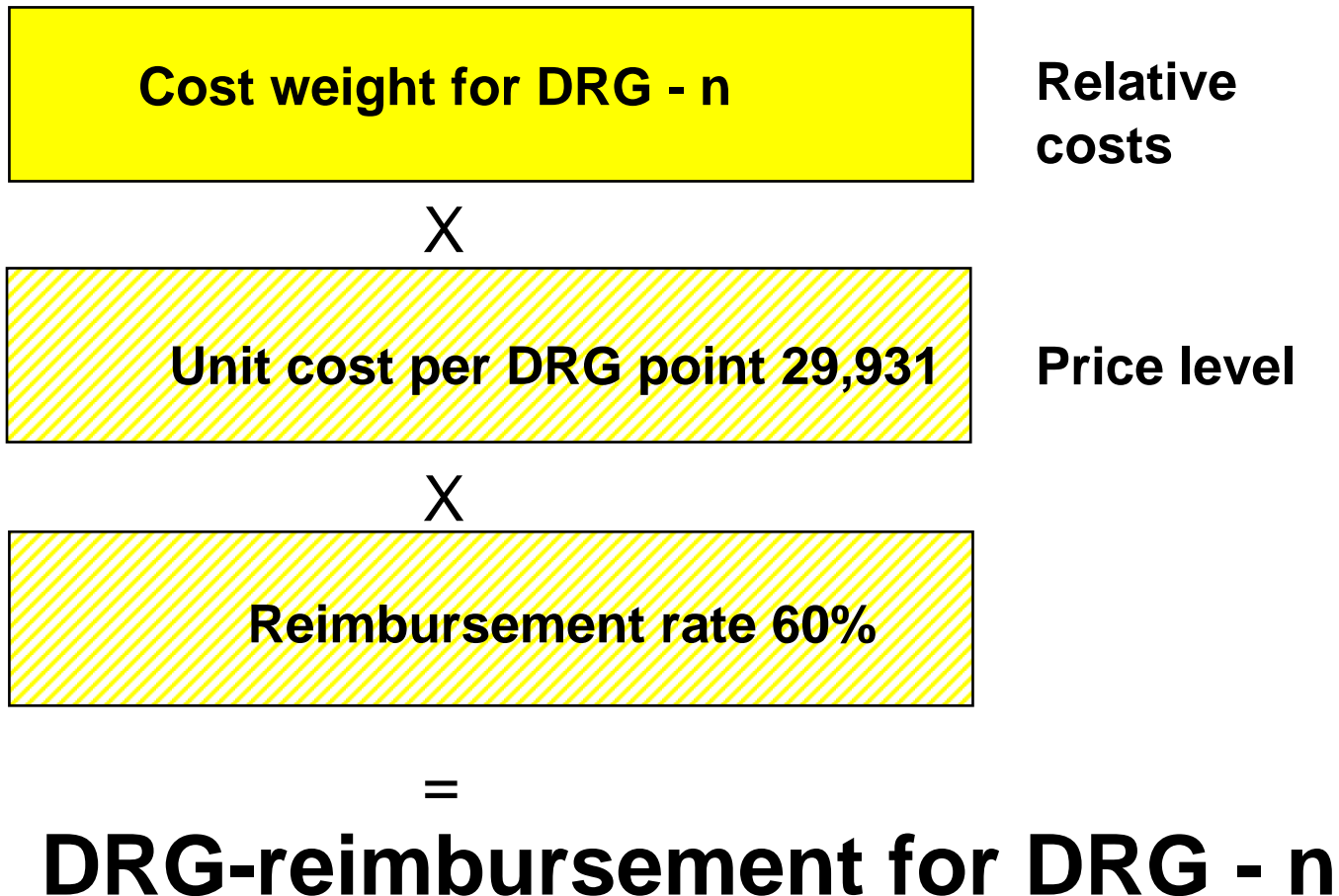


Cost weights

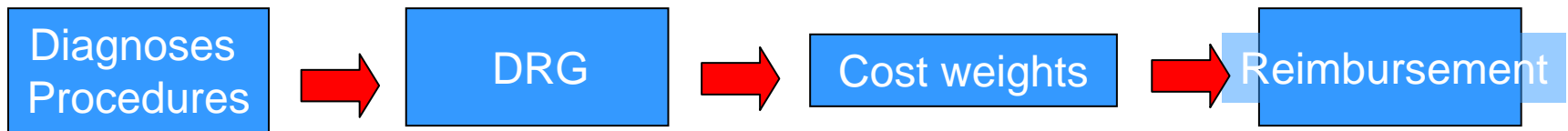
The DRG weight indicates what a hospital stay costs, compared to the average for all DRGs

	Mean costs	Cost weight
DRG X	15 000	0.5
DRG y	45 000	1.5
All	30 000	1.0

From DRG weight to reimbursement

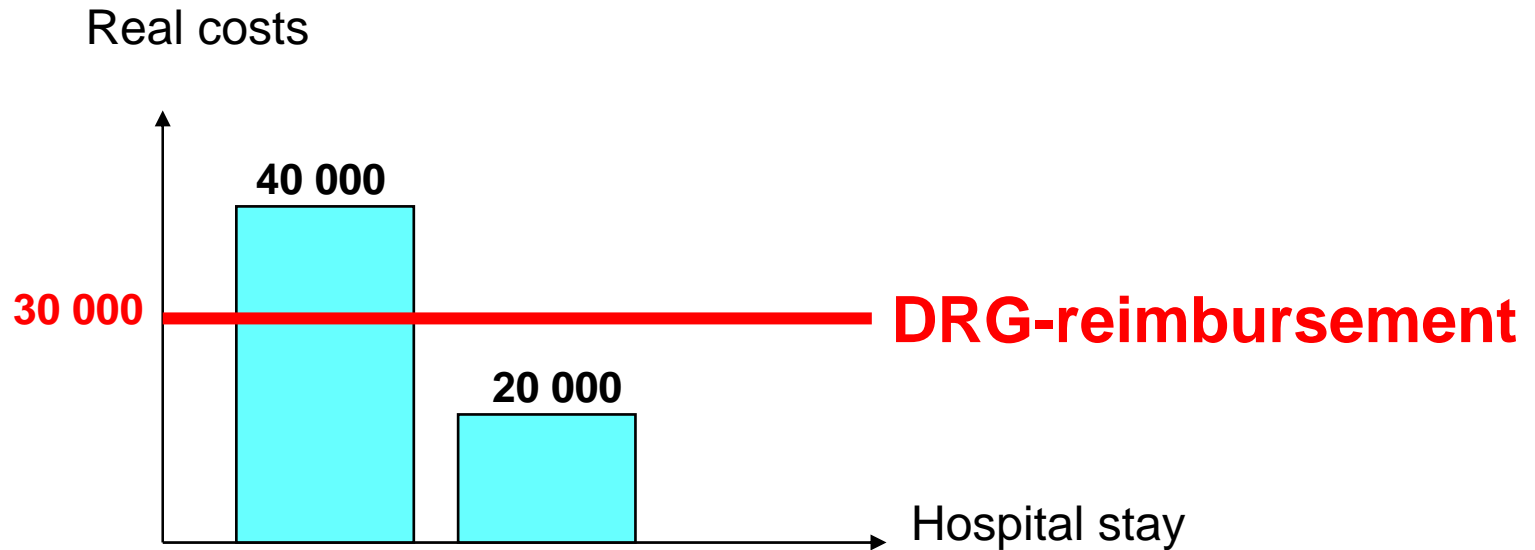


DRG-reimbursement varies from one year to the next. Why?



Changes:
Doctors' use of ICD 10 and procedure codes, medical Practice, DRG logic, real costs in health care
And the DRG systems follows suit!

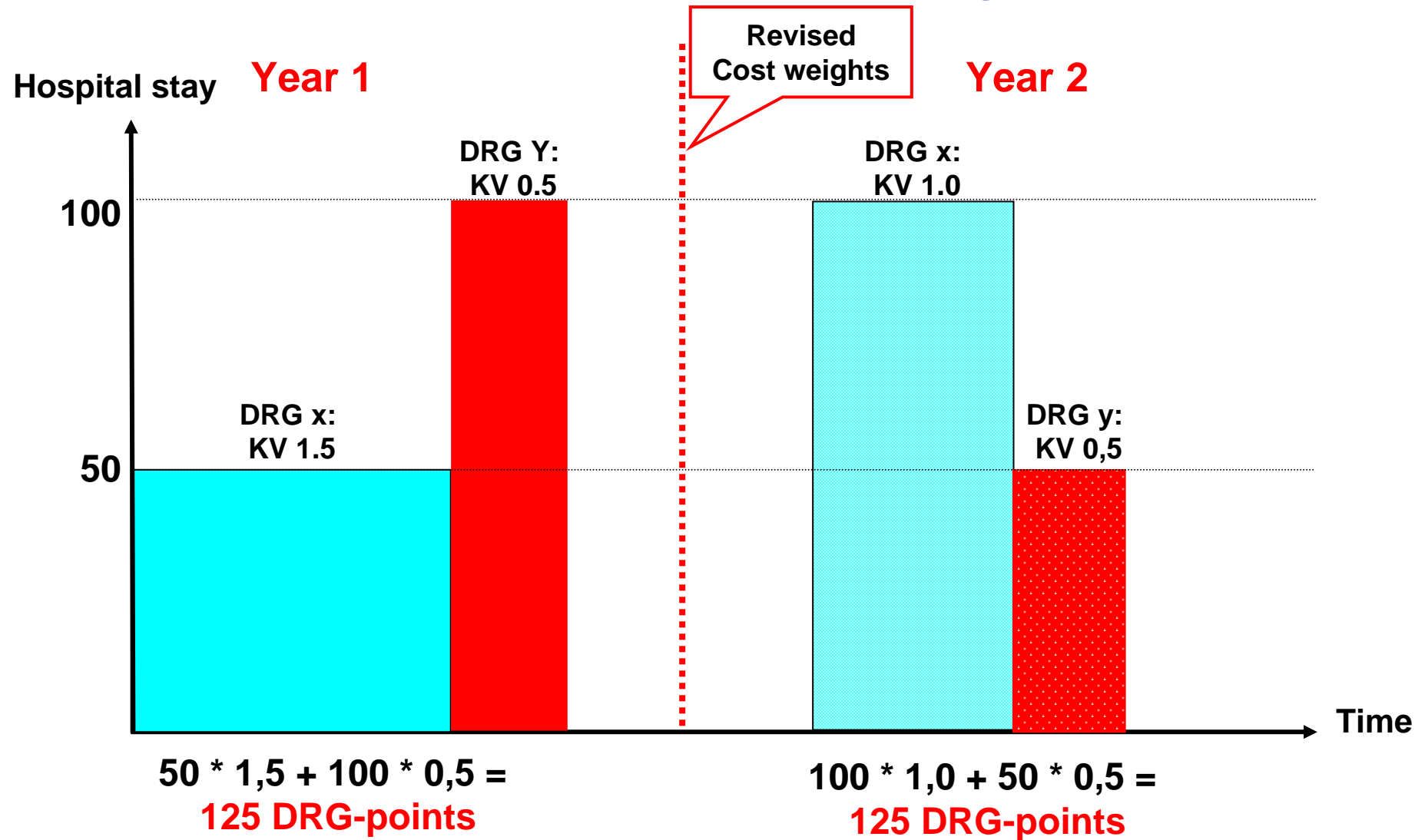
DRG-reimbursement does not cover real costs?



Note:

- Other patients?
- Other financing?

Should I cheat the system?



Useful management information?

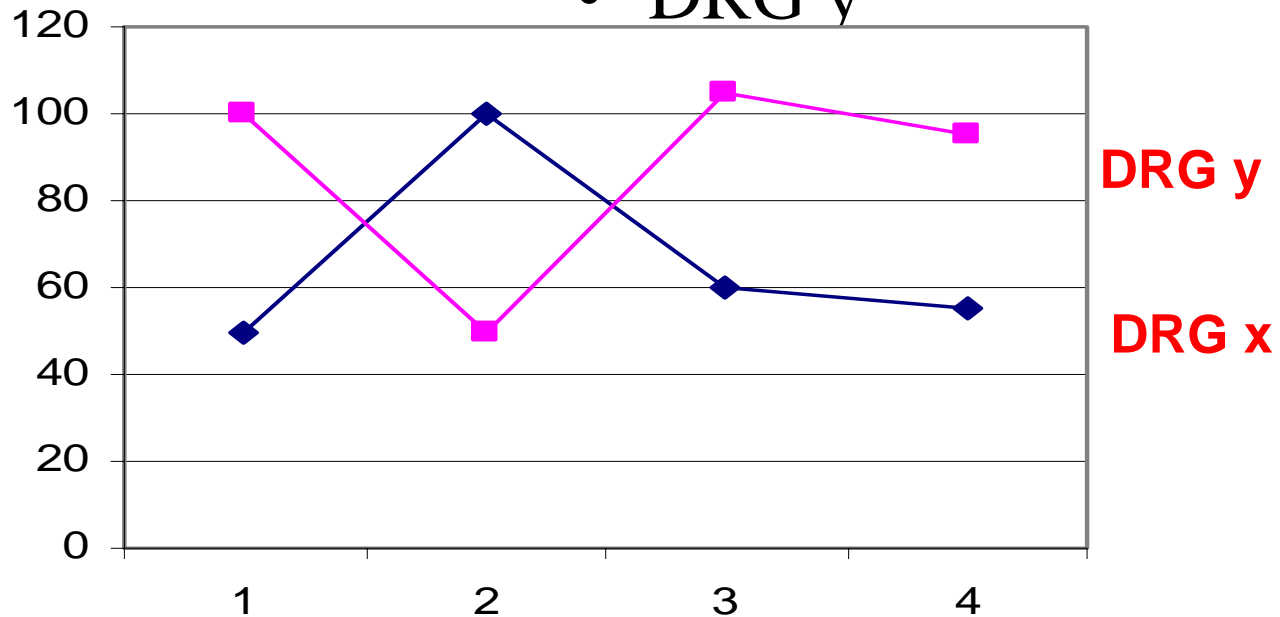
Year 1

Year 2

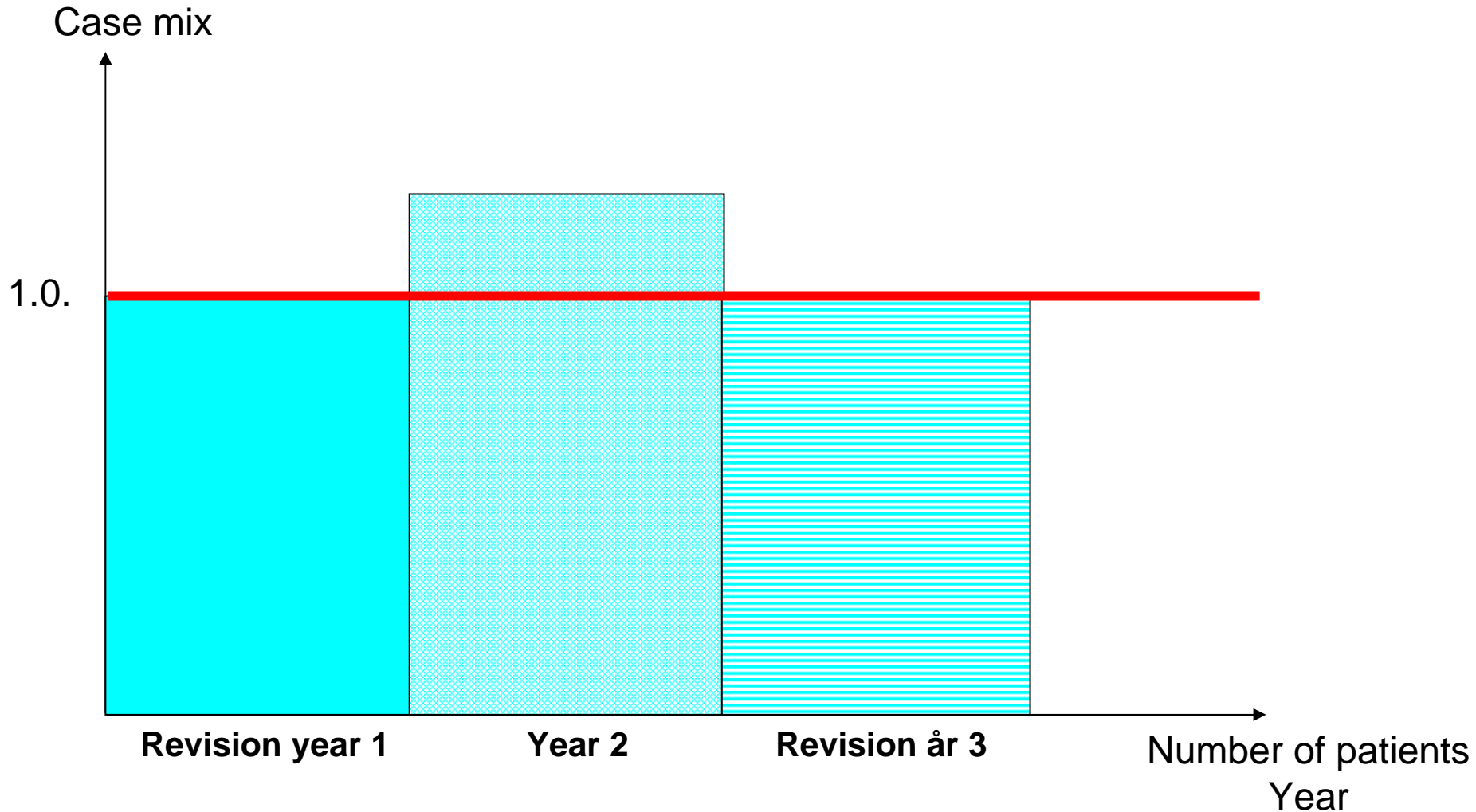
- DRG x 50
- DRG y 100

- DRG x 100

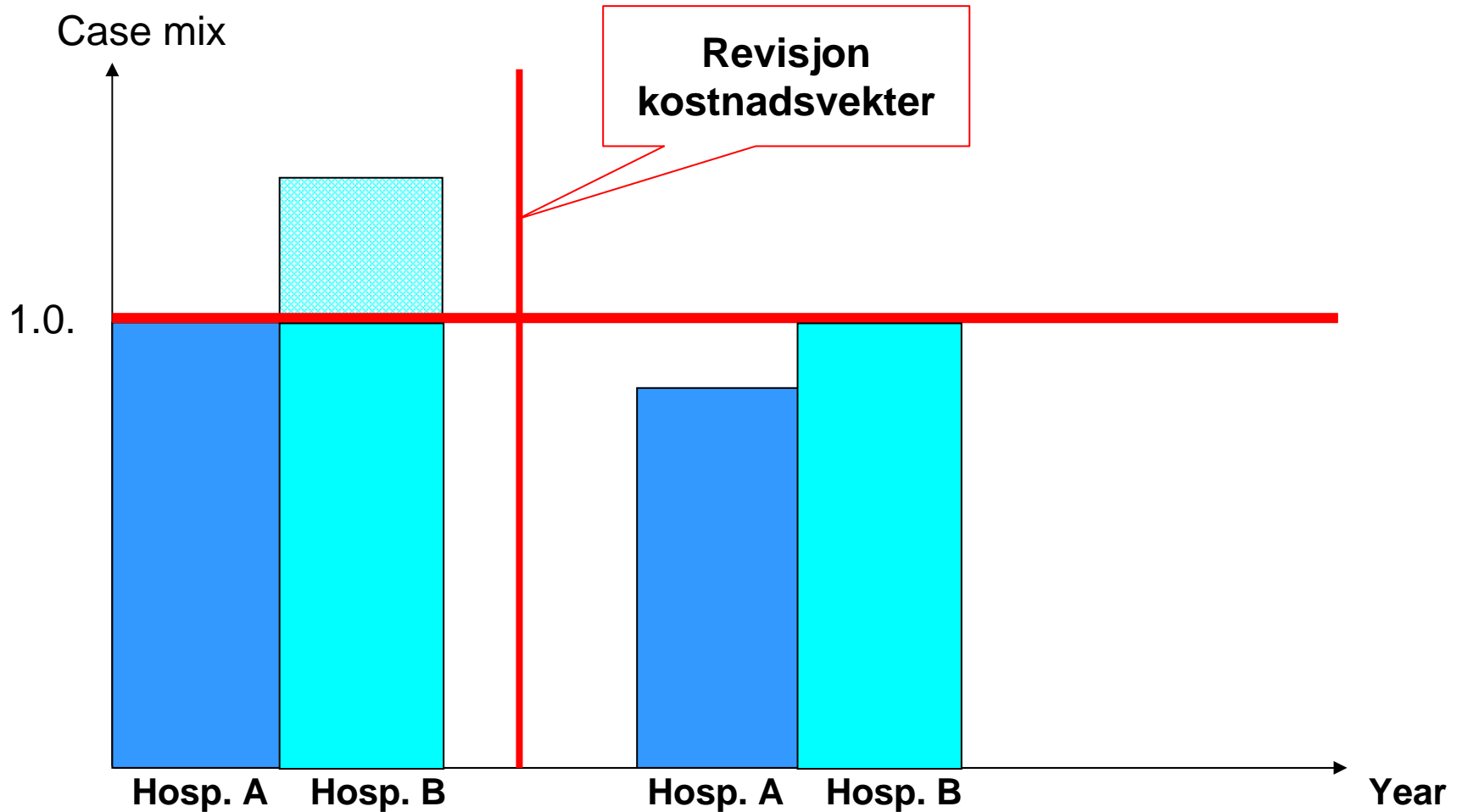
- DRG y



System dynamics, nationally



System dynamics for the individual hospital



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