

How weighted units are assigned to discharges

2 sources of information:

- Discharge information from HIPE
- Price List – developed by HPO

Discharge information

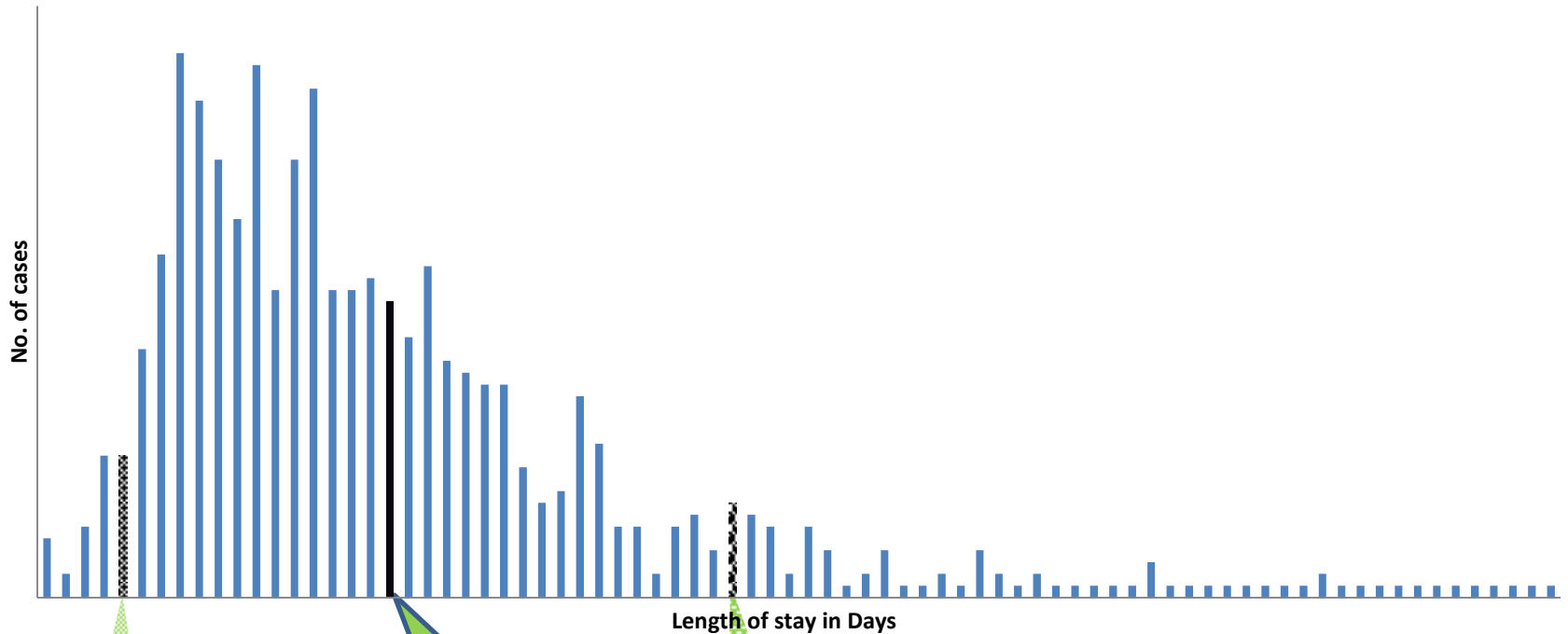
- Each HIPE coded discharge is grouped to a Diagnosis Related Group (DRG)

- For every coded discharge we know:
 - the DRG
 - daycase or inpatient
 - the length of stay

Example 1	Inpatient	DRG G02B, LOS = 18 days
Example 2	Inpatient	DRG G02B, LOS = 29 days
Example 3	Inpatient	DRG G02B, LOS = 4 days
Example 4	Inpatient	DRG G02B, LOS = 41 days
Example 5	Daycase	DRG G02B, daycase

Length of Stay

Example DRG: number of cases by length of stay



Low boundary

Average LOS

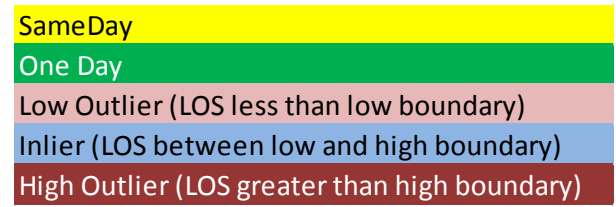
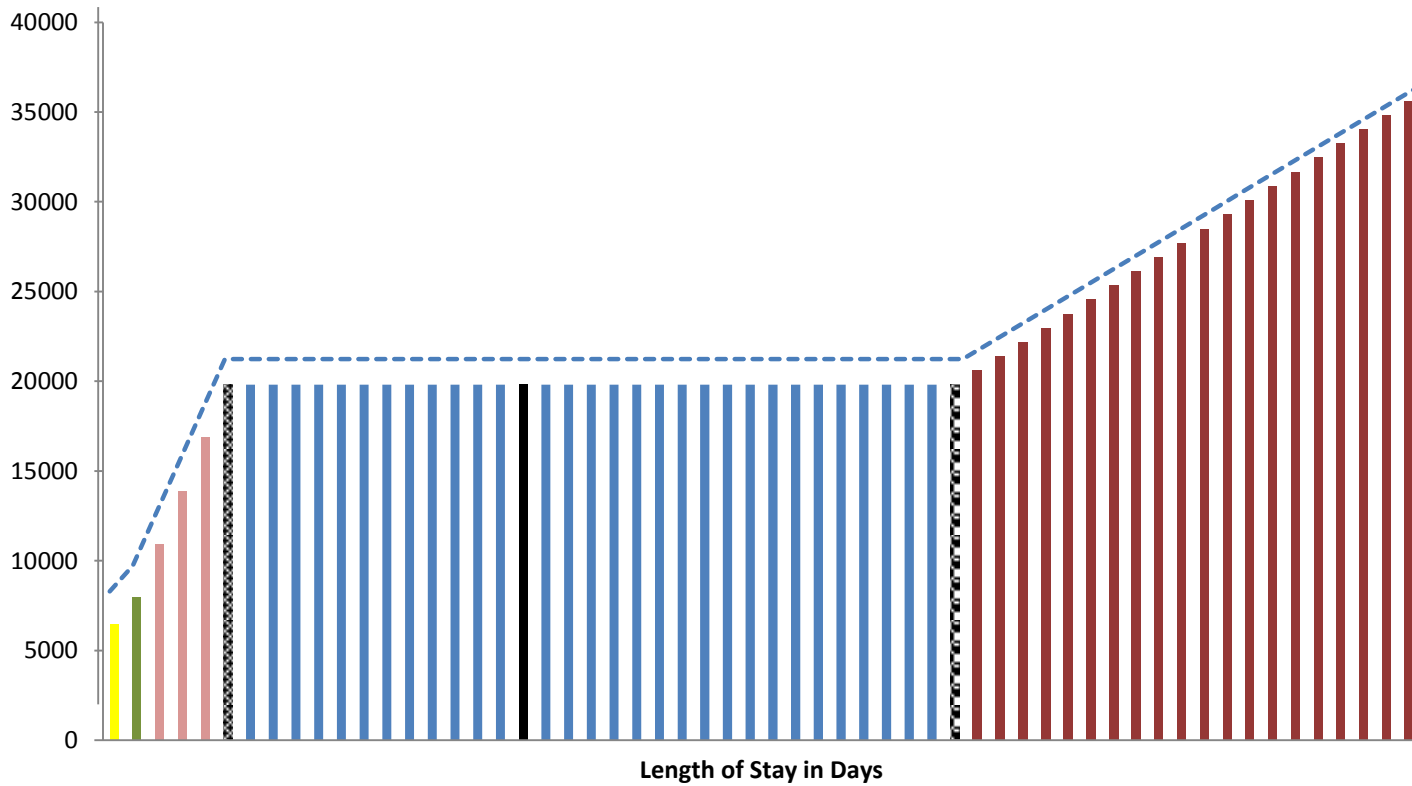
High boundary

Price List

- New Price List each year , based on
 - budget available for this year (eg 2017)
 - patient level costs from 2 previous years (eg 2013, 2014)
 - specialty costs from 2 previous years (eg 2013, 2014)
- For each DRG:
 - Type, number and length of stay for discharges per year in the previous years
 - Therefore we can calculate for each DRG
 - the average length of stay
 - The spread of the length of stay
 - Low and high boundaries
 - Categories for daycase, sameday, oneday, low outlier, inlier high outlier
 - Relative Value (RV)
 - Value (€)

Detailed description available at “Introduction to Price Setting Process for Admitted Patients” by Fiachra Bane, Healthcare Pricing Office

DRG payment curve



Join Price List to HIPE to assign WU , €

Discharge information

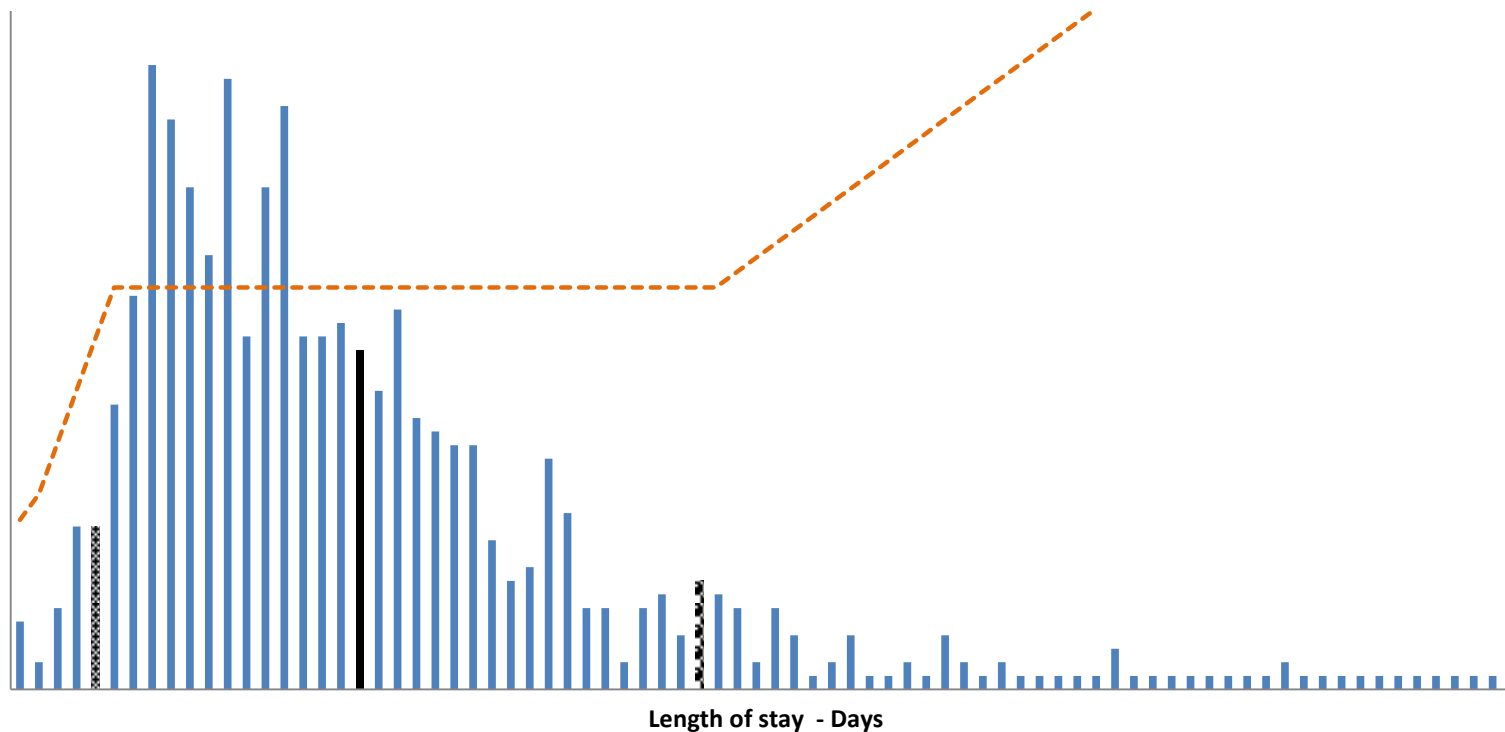
- DRG
- Casetype
- Length of stay



Price List

- DRG
- Casetype
 - Daycase, sameday, oneday, multilow, inlier, multihigh
- Low and High boundaries

Length of Stay and DRG payment



Sample DRG – WU assignment

Extract from 2017 Price List

DRG	Description	Average LOS	Low boundary	High boundary		DayCase	SameDay	OneDay	Multilow	Inlier	Multihigh
G02B	Major Small and Large Bowel Proc, Intermediate complexity	19.6	5	37	RV	12.159	1.4689	1.8065	0.673	4.499	0.179
					€	7,441	6,465	7,950	2,963	19,800	790
				<i>Base price</i>	€612	<i>€4401</i>					

Rounded for illustration

- Example 1 DRG G02B, LOS = 18 days greater than 5 and less than 37 => inlier case
WU = 4.499, €19,800
- Example 2 DRG G02B, LOS = 29 days greater than 5 and less than 37 => inlier case
WU = 4.499, €19,800
- Example 3 DRG G02B, LOS = 4 days less than 5 => multilow case
WU = Oneday + ((4-1) *Multilow) = 3.8255, €16,839
- Example 4 DRG G02B, LOS = 41 days greater than 37 => Multihigh
WU = Inlier + ((41-37)*Multihigh) = 5.215, €22,963
- Example 5 DRG G02B, daycase Daycase **WU = 12.159, €7,441**