

# How weighted units are assigned to discharges

2 sources of information:

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

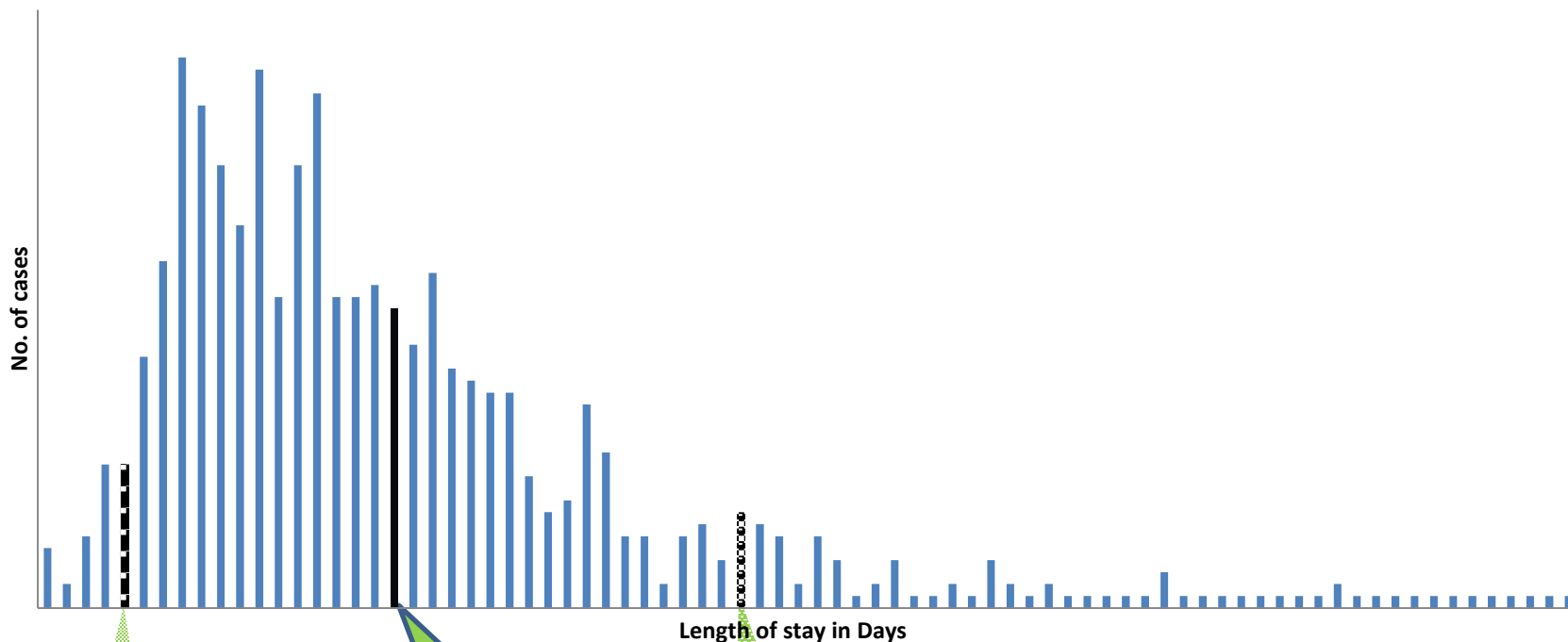
# Discharge information

- 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

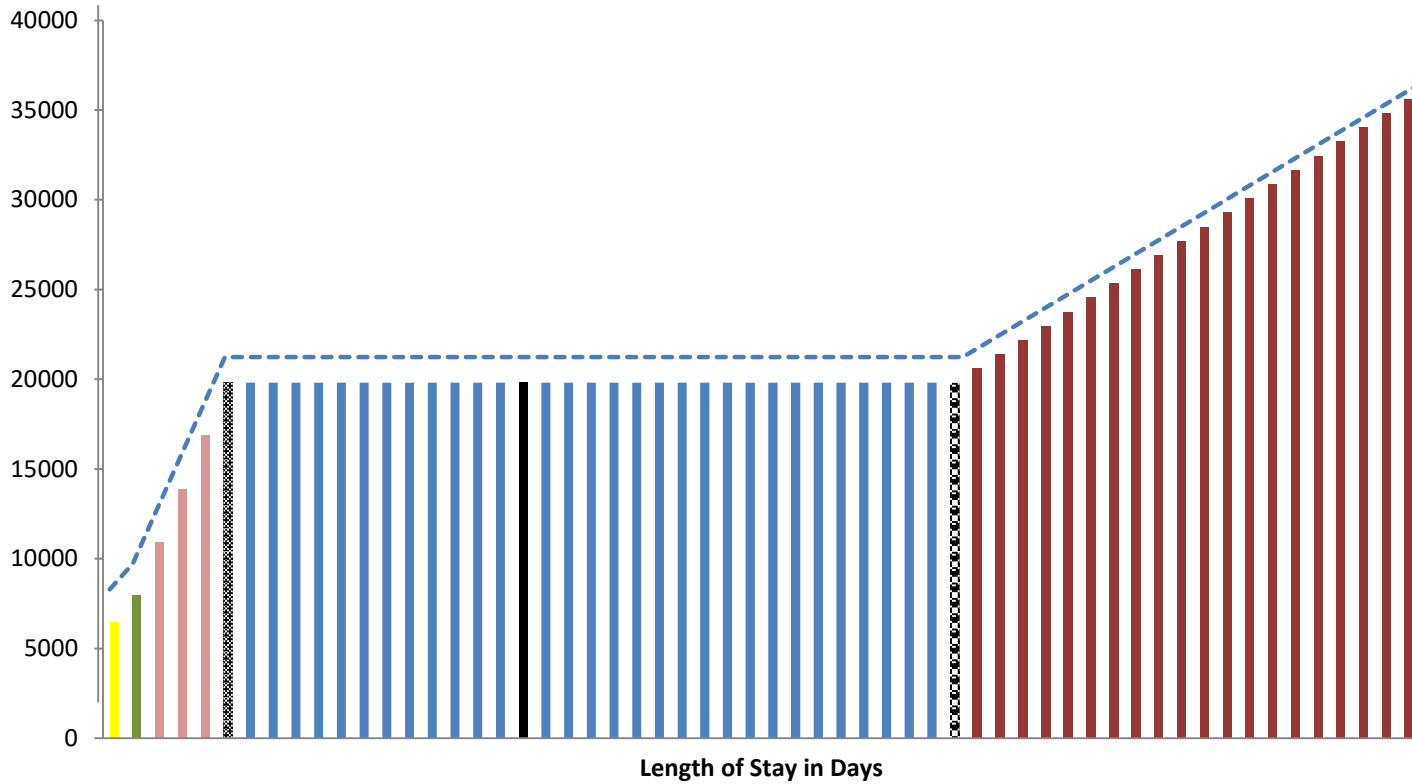
High boundary

# 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



- Same Day
- One Day
- Low Outlier (LOS less than low boundary)
- Inlier (LOS between low and high boundary)
- High Outlier (LOS greater than high boundary)

# Join Price List to HIPE to assign WU, €

## Discharge information

- DRG



- Casetype



- Length of stay



## Price List

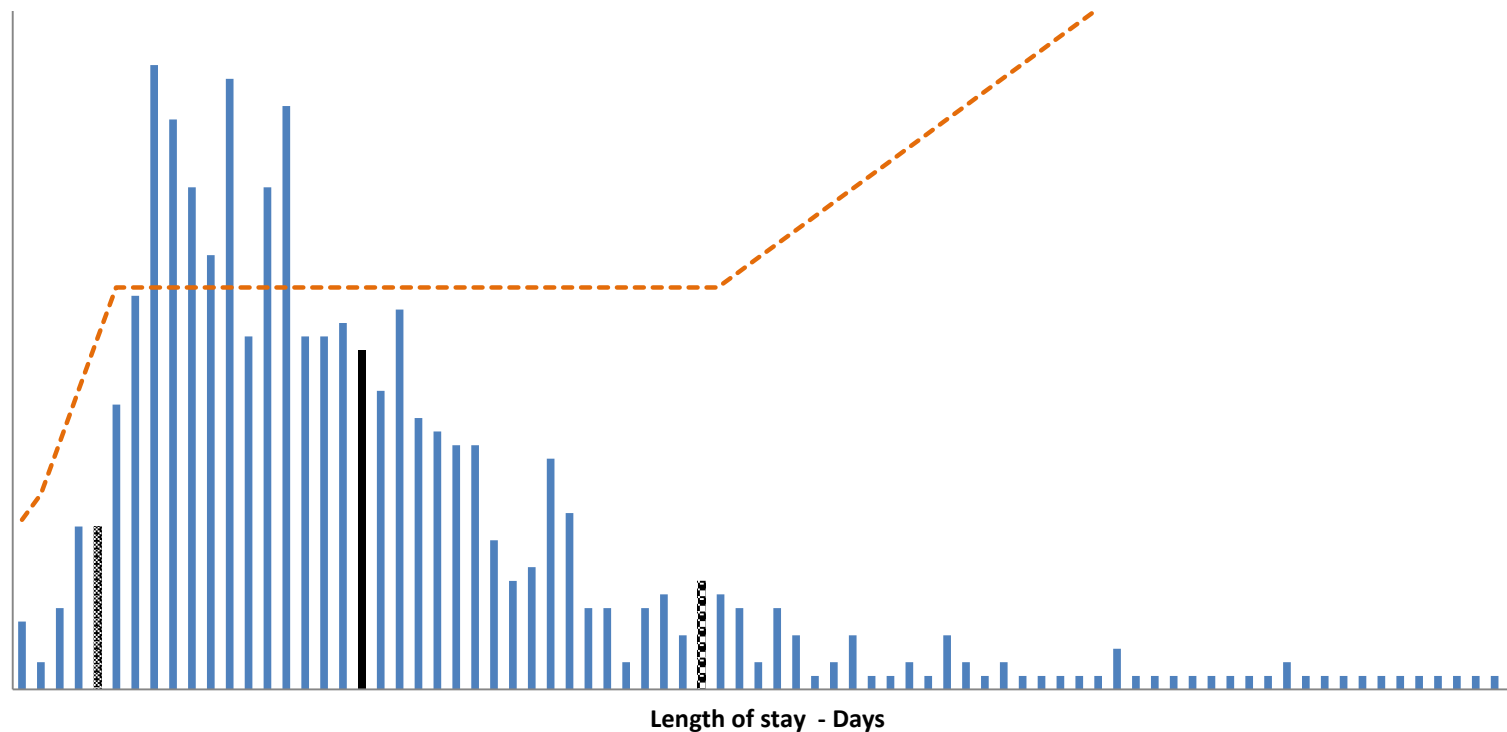
- DRG

- 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	€4401				

*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**