

USING ICT - DRG DATA FOR PERFORMANCE

Asking the questions that stimulate improvement.

Prof Ric Marshall OAM

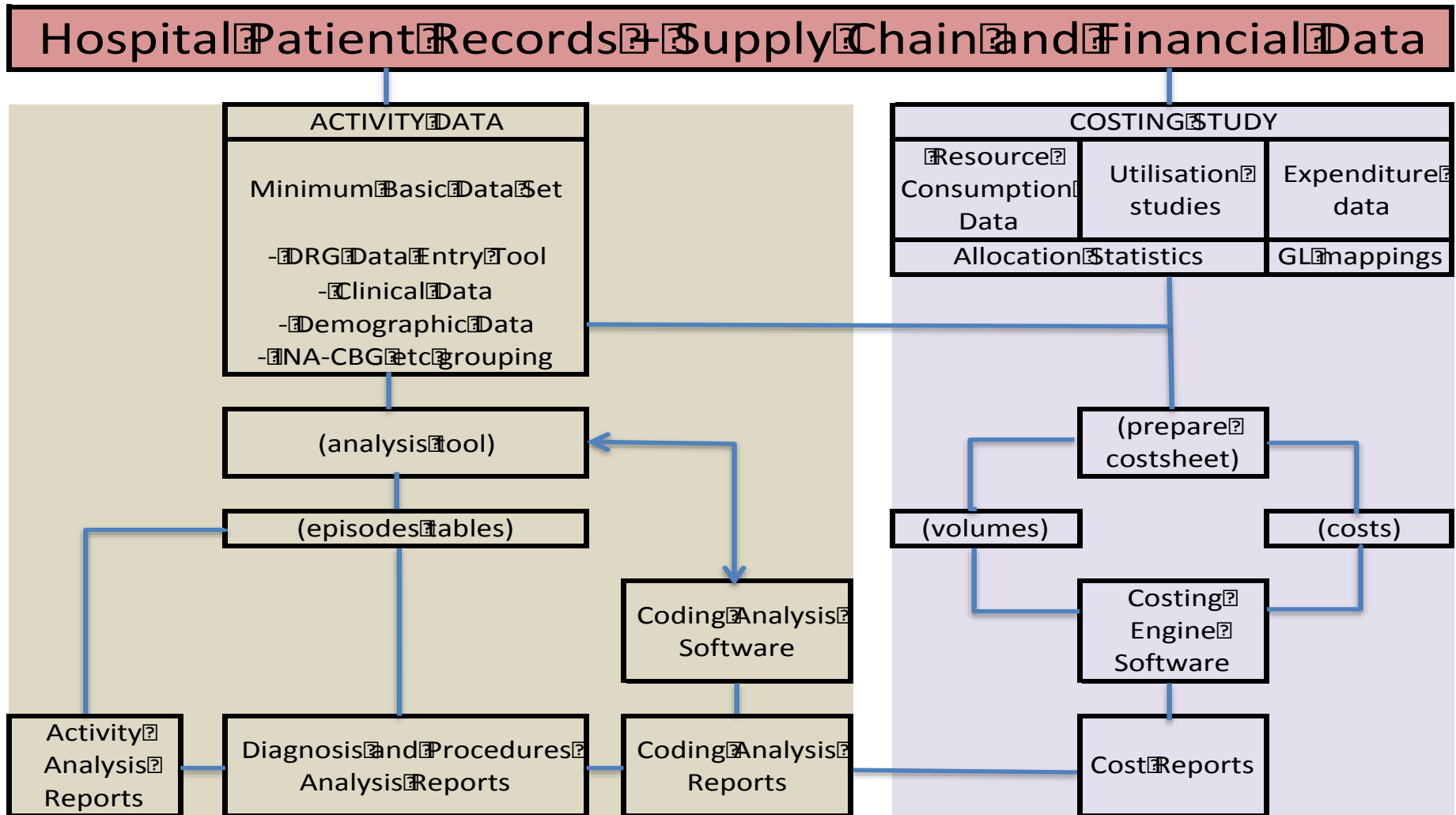
March 2018

AGENDA – of PRESENTATIONS

ICT - DRG Implementation

1. WHY: ICT - DRG - PRICING and improving healthcare
 - Making PERFORMANCE information work for better healthcare
2. WHERE: DRG IMPLEMENTATION IN PHILIPPINES
 - Scheduling the implementation phases – and achieving improvement
3. WHAT: DRG grouping and required information support
4. HOW: USING ICT - DRG DATA for performance
 - Asking the questions that stimulate improvement.

Data flows required for Tariff Setting and Payment for Performance purchasing



Warning flags – monthly variations on the big picture

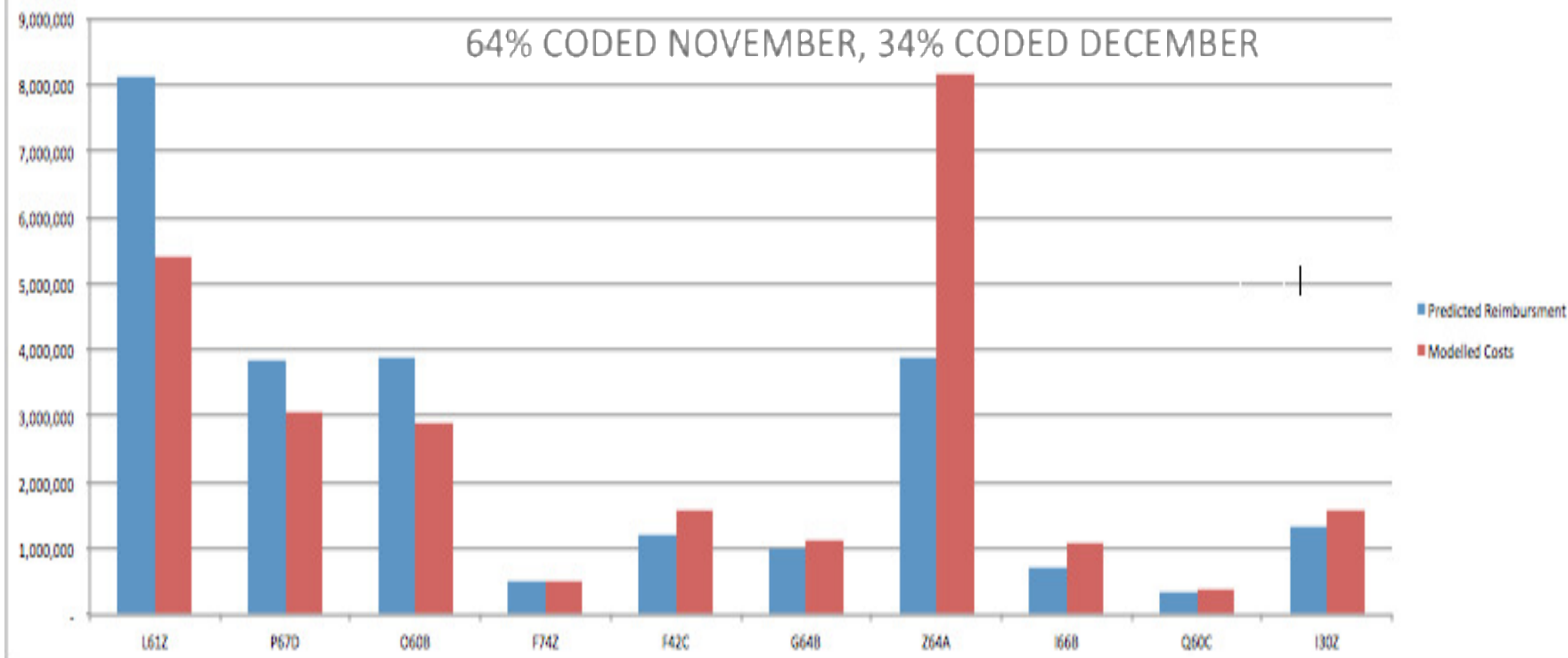
Modelled Total National Weighted Activity Units
Target National Weighted Activity Units
Last Year Monthly National Weighted Activity Units
% Uncoded Separations
Bed Days against expected
Average Length of Stay (All Separations)
Number Same Day Designated Separations
% Same Day Designated Separations
Number of Short Stay Outlier Separations
% Short Stay Outlier Separations
% Inlier Separations
% Long Stay Outlier Separations
Modelled National Cost Weighted Separations
Target National Cost Weighted Separations
Last Year National Cost Weighted Separations

Top 10 AR-DRGs by Volume, Year to Date (Coded Data Only)

DRG	DRG Description	MDC	Raw Separations	Predicted Reimbursement	Predicted Costs	Predicted Direct Costs	Predicted Overhead Costs
L61Z	HAEMODIALYSIS	MDC11 - Diseases and disorders of the kidney and urinary tract	11,159	8,124,805	5,406,860	4,316,161	1,090,699
P67D	NEO,ADMWT >2499G-SIG OR PR-PRB	MDC15 - Newborns and other neonates	1,076	3,843,942	3,065,142	2,146,154	918,987
Q60B	VAGINAL DELIVERY W/O CATASTROPHIC OR SEVERE CC	MDC14 - Pregnancy, childbirth and the puerperium	616	3,890,164	2,917,239	1,876,219	1,041,020
F74Z	CHEST PAIN	MDC05 - Diseases and disorders of the circulatory system	477	497,814	505,983	364,001	141,983
F42C	CRC DSRD-AMI+IC IN PR SD	MDC05 - Diseases and disorders of the circulatory system	324	1,194,039	1,584,561	1,270,591	313,970
G64B	INFLAMMATORY BOWEL DISEASE-CC	MDC06 - Diseases and disorders of the digestive system	317	1,021,419	1,116,135	1,000,778	115,356
Z64A	OTH FACTOR INFL HEALTH STATUS	MDC23 - Factors influencing health status and other contacts with health services	304	3,875,481	8,167,844	5,431,274	2,736,569
I66B	INFLM MUSCULSKTL DSR -CSCC	MDC08 - Diseases and disorders of the musculoskeletal system and connective tissue	290	735,322	1,100,197	969,905	130,292
Q60C	RETICLENDO&IMNTY DIS-CSCC-MAL	MDC16 - Diseases and disorders of the blood and blood forming organs and immunological disorders	290	351,067	403,322	289,217	114,105
I30Z	HAND PROCEDURES	MDC08 - Diseases and disorders of the musculoskeletal system and connective tissue	282	1,322,590	1,574,881	1,163,527	411,354

For Details please select the appropriate DRG

64% CODED NOVEMBER, 34% CODED DECEMBER



High volume DRG cost pattern query

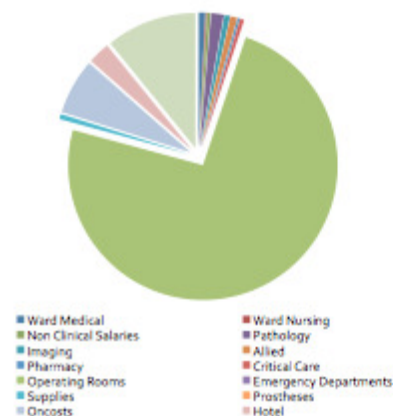
64% CODED NOVEMBER, 34% CODED DECEMBER

24 JANUARY 2013

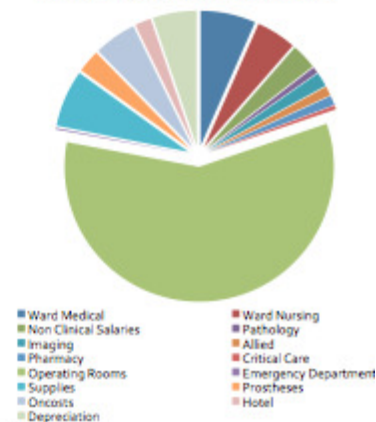
AR-DRG	F42C
Description	CRC DSRD-AMI+IC IN PR SD
MDC	MDC05 - Diseases and disorders of the circulatory system
Raw Separations	324

Year to Date (Coded Data Only)			
	Hospital	National	Variance
Average Length of Stay	1.00	1.00	0%
Total Cost	1,584,561	1,100,259	44%
Total Direct Cost	1,270,591	876,924	45%
Total Overhead Cost	313,970	223,335	41%
Ward Medical Direct	12,158	56,120	-78%
Ward Medical Overhead	256	16,798	-98%
Ward Nursing Direct	1,864	47,721	-96%
Ward Nursing Overhead	688	5,345	-87%
Non Clinical Salaries Direct	6,622	33,977	-81%
Pathology Direct	19,509	6,108	219%
Pathology Overhead	4,500	2,291	96%
Imaging Direct	7,386	17,180	-57%
Imaging Overhead	3,271	1,909	71%
Allied Direct	11,034	11,835	-7%
Allied Overhead	2,158	764	183%
Pharmacy Direct	4,401	11,071	-60%
Pharmacy Overhead	172	1,527	-89%
Critical Care Direct	6,053	4,199	44%
Critical Care Overhead	1,619	1,145	41%
Operating Room Direct	970,695	513,480	89%
Operating Room Overhead	202,514	126,747	60%
Emergency Department Direct	-	1,527	-100%
Emergency Department Overhead	-	382	-100%
Prosthesis	2,390	58,411	-96%
Ward Supplies Direct	7,373	16,798	-56%
Ward Supplies Overhead	-	30,160	-100%
Oncosts	105,814	56,120	89%
Hotel	41,838	21,379	96%
Depreciation	172,245	58,029	197%

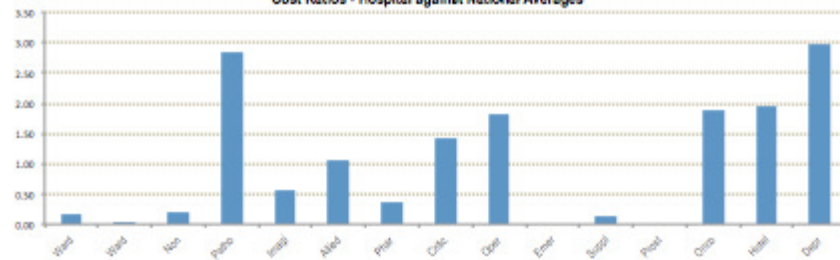
Cost Distribution F42C Hospital



Cost Distribution F42C National Averages



Cost Ratios - Hospital against National Averages

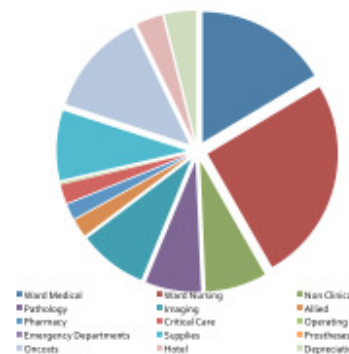


Deficit cost to price DRG cost pattern query

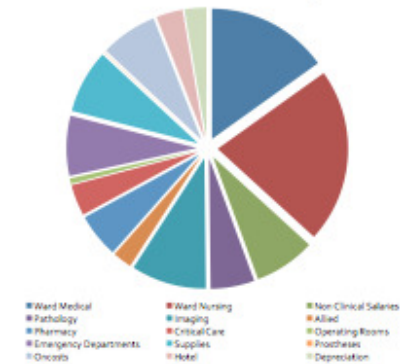
AR-ORG	E61B
Description	PULMONARY EMBOLISM - CCC
MDC	MDC04 - Diseases and disorders of the respiratory system
Raw Separations	32

Year to Date (Coded Data Only)			
	HOSPITAL	National	Variance
Average Length of Stay	9.69	5.43	78%
Total Cost	407,260	234,567	74%
Total Direct Cost	287,524	183,174	57%
Total Overhead Cost	119,736	51,393	133%
Ward Medical Direct	65,644	31,673	107%
Ward Medical Overhead	1,224	3,771	-68%
Ward Nursing Direct	94,677	44,040	115%
Ward Nursing Overhead	8,444	6,787	24%
Non Clinical Salaries Direct	30,926	17,797	74%
Pathology Direct	23,649	11,199	111%
Pathology Overhead	4,467	1,546	189%
Imaging Direct	25,533	18,928	35%
Imaging Overhead	8,844	2,941	201%
Allied Direct	7,015	4,525	55%
Allied Overhead	2,196	1,056	108%
Pharmacy Direct	7,639	11,990	-36%
Pharmacy Overhead	294	905	-67%
Critical Care Direct	7,581	7,126	6%
Critical Care Overhead	2,027	1,961	3%
Operating Room Direct	423	1,282	-67%
Operating Room Overhead	123	302	-59%
Emergency Department Direct	-	13,989	-100%
Emergency Department Overhead	-	3,431	-100%
Prosthesis	10,518	9,389	12%
Ward Supplies Direct	24,644	9,162	169%
Ward Supplies Overhead	-	113	-100%
Oncosts	52,177	16,553	215%
Hotel	13,272	7,692	73%
Depreciation	15,943	6,335	152%

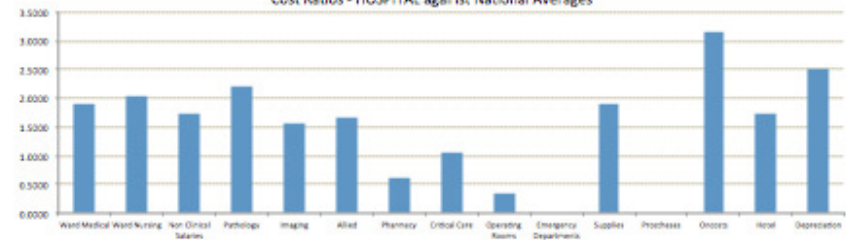
Cost Distribution E61B HOSPITAL



Cost Distribution E61B National Averages

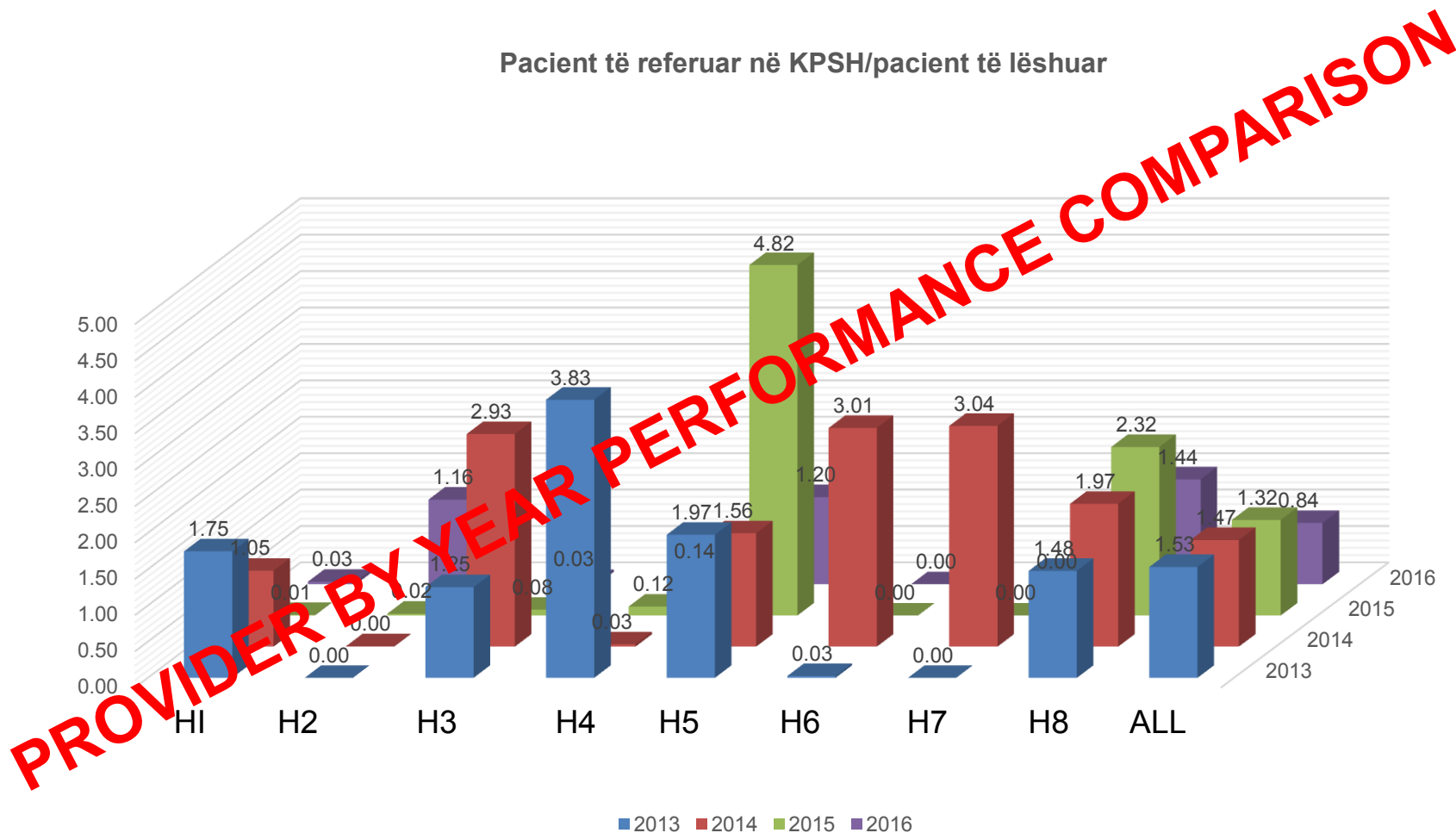


Cost Ratios - HOSPITAL against National Averages



Indikatorë I efikasitetit

Pacient të referuar në KPSH/pacient të lëshuar



QUESTIONS
