Study on Self Consumption of Consumables of Wockhardt Group of Hospitals

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Rationale :

Many consumables in hospitals are not charged to the patients. And if these consumables are used in excessive quantities or misused, then hospital can face major revenue loss.

Objectives :

- To identify the common pattern of self consumption of consumables across group.
- To find out the uncommon /infrequent items which should not be included in the self consumption.
- To establish a comprehensive, factual, annually updated cost effective common list of self consumption of consumables
- To identify the opportunity lost of the materials that should have included in the bills of a patient.

Methodology :

The study design was mainly Descriptive in nature, carried out in **Wockhardt Group of Hospitals** in the month of April & May 2016.

- Type of study : Prospective And Retrospective study
- Data collection Technique :

Primary Data Source : By telephonic interview and observation
Secondary Data Source: Hospital information system

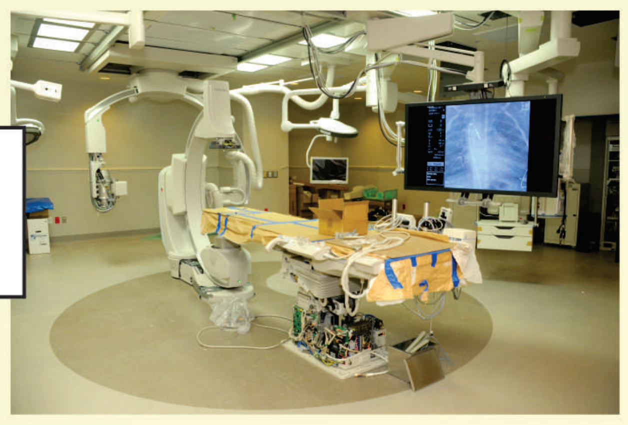
Units Under Project

North Bombay | South Bombay | Vashi | Nagpur-1 | Nagpur-2 | Surat | Rajkot | Goa | Nashik

Departments Under Project

Operation Theatre

Cath Lab



Casualty

Wards

Findings With Justification

Uncommon Consumable Across Group

Self Consumption of Uncommon Consumables (In Rupees) From April 2015 to march 2016

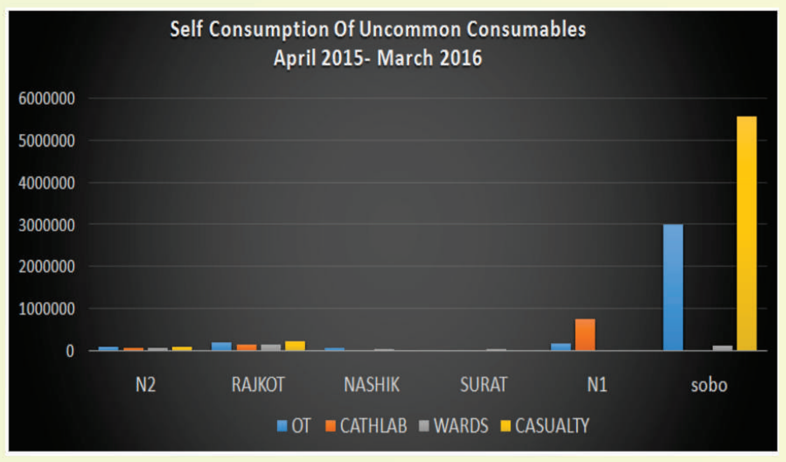
Unit	OT	Cathlab	Wards	Casualty	Total	Percentage
N2	92481	57546	52182	91622	293831	3
RAJKOT	206429	134620	153230	226336	720615	7
NASHIK	68245	nil	44710	2289	115244	1.1
SURAT	8519	20180	23509	263	52471	0.5
N1	170366	737055	9251	NIL	916672	8.5
SoBo	2994799	10345	115700	5564797	8685641	81
				Total	10784474	

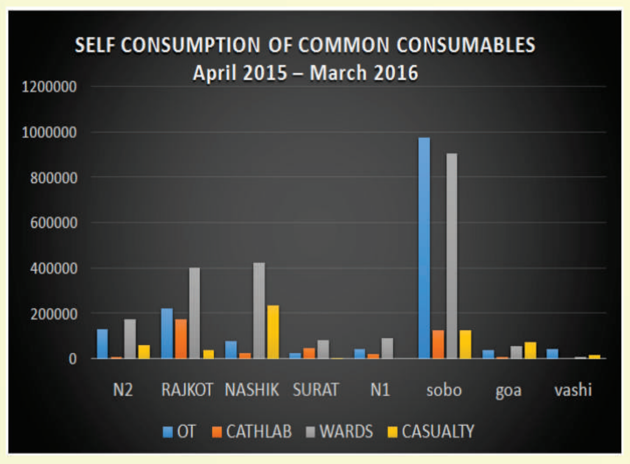
Self Consumption of Common Consumables (In Rupees) From April 2015 to March 2016

Unit	OT	Cathlab	Wards	Casualty	Total	Percentage
N2	132247	6887	173457	61615	374206	8
Rajkot	222835	174073	400828	38443	836179	18
Nashik	76016	23363	423518	234841	757738	16
Surat	23960	45691	83746	3353	156750	3
N1	43583	22789	89658	Nil	156030	3
SoBo	976116	124411	907362	128029	2135918	46
Goa	36306	6223	58127	72966	173622	4
Vashi	43718		9099	17109	69926	2
				Total	4660369	

Total Self Consumption of Consumables (In Rupees) April 2015 – March 2016

Unit	OT	Cathlab	Wards	Casualty	Total	Percentage
Sobo	3970915	134756	1023062	5692826	10821559	73.3
N1	213949	759844	98909	Nil	1072702	7.3
N2	224728	64433	225639	153237	668037	4.5
Nashik	144261	Nil	44710	2289	191260	1
Rajkot	429264	308693	554058	264779	1556794	11
Surat	32479	65871	107255	3616	209221	1.4
Vashi	43718	Nil	9099	17109	69926	0.5
Goa	36306	6223	58127	72966	173622	1.2
				Total	15444843	





1) Partially charged items which are reusable

2) Delayed IDs so item is added in self consumption.

3) Items are included in packages. So the first is entered in consumption and then it is charged. Therefore the item is visible in the self consumption list

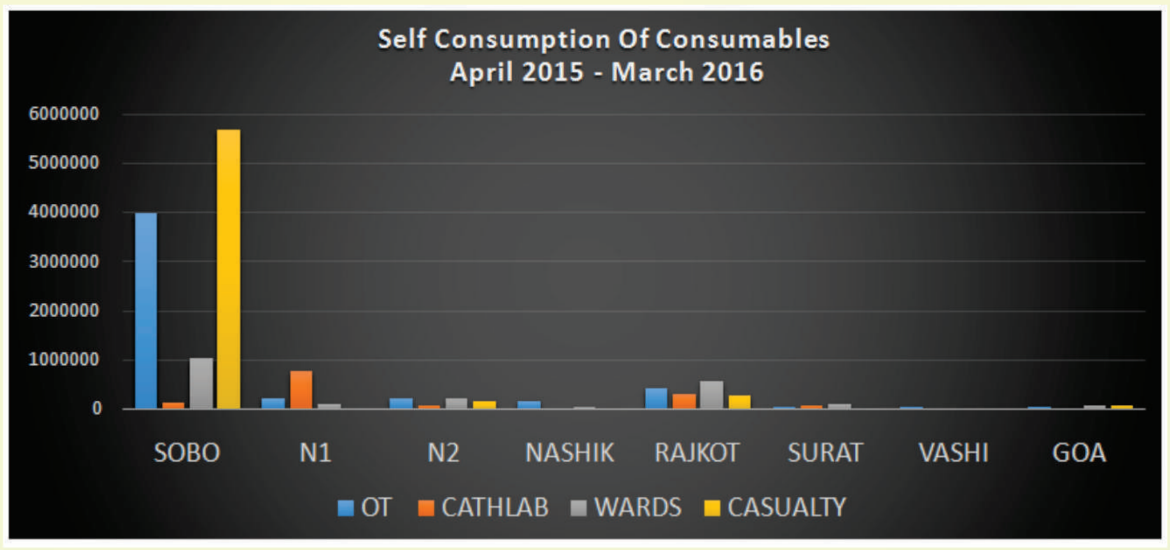
Observed value is more than actual

4) Due to special promotional events permission was given to add the consumables in consumption

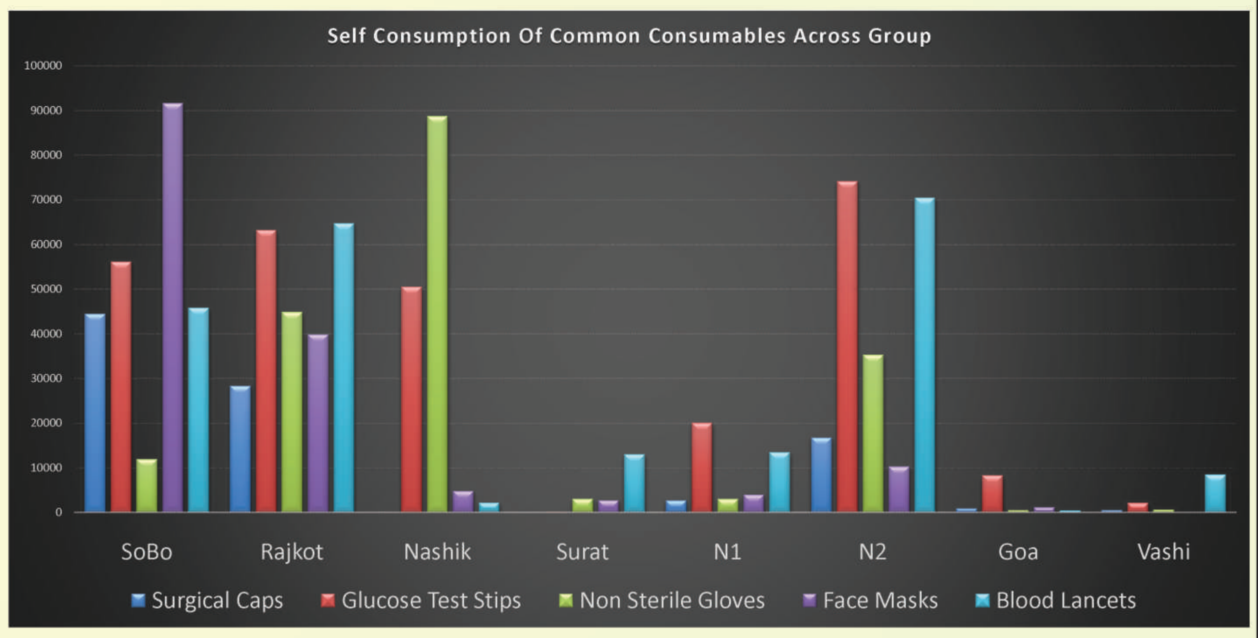
5) Consumables used in OPD are placed in self consumption. E.g.. In casualty

Uncommon Self Consumed Consumables

Self Consumed Consumable	Unit	Justification	Money Recovered
Peripheral Stent	Rajkot	Delayed ID	Charged in Miscellaneous
Intracoronary Shunts	Nashik	Partially Charged	Charged in Miscellaneous
Bipap Vision System Full Face Mask	Nagpur 1	Partially Charged	Entry done in physical stock
I.V. Cannula With Wings And Injection Port	Nagpur 2	OPD	Charged in Miscellaneous
Heart Stabilizer Octopus	SoBo	Used in package	Entry done in physical stock
Mini Bone Plate	NoBo	Delayed ID	Charged in Miscellaneous



Common Consumable Across Group



Cost Analysis (in rupees) April 2015 – March 2016

Observed

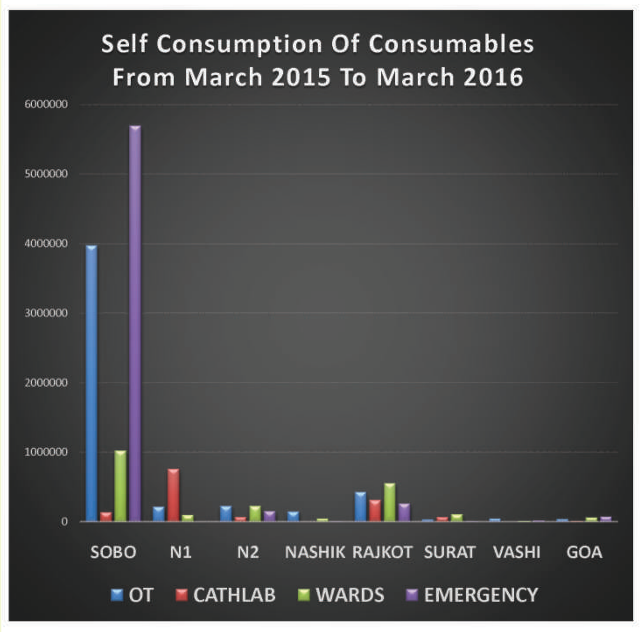
Units	OT	Cath lab	Wards	Casualty	Total	Percentage
SoBo	3970915	134756	1023062	5692826	10821559	73.3
N1	213949	759844	98909	NIL	1072702	7.3
N2	224728	64433	225639	153237	668037	4.5
Nashik	144261	NIL	44710	2289	191260	1
Rajkot	429264	308693	554058	264779	1556794	11
Surat	32479	65871	107255	3616	209221	1.4
Vashi	43718	NIL	9099	17109	69926	0.5
Goa	36306	6223	58127	72966	173622	1.2
				Total	15444843	

Actual

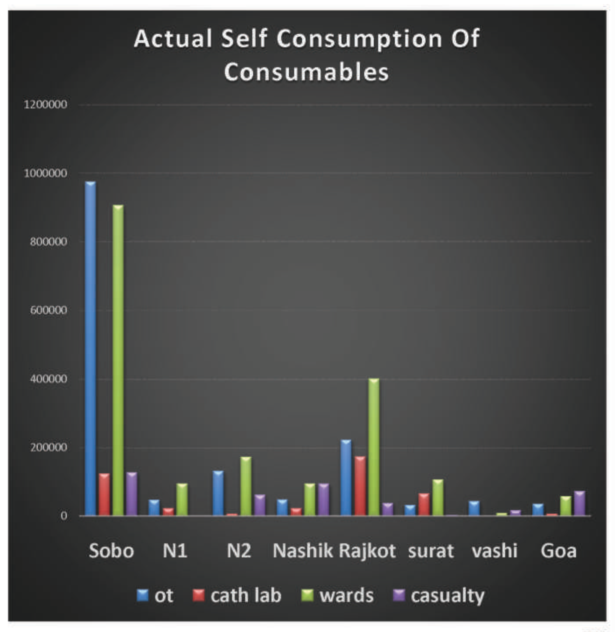
UNITS	OT	Cath Lab	Wards	Casualty	Total	Percentage
SoBo	976116	124411	907362	128029	2135918	12.17
N1	47610	22789	95140	NIL	165539	0.9
N2	132247	6887	173457	61615	374206	2.13
Nashik	48248	22789	95140	94411	260588	0.14
Rajkot	222835	174073	400828	38443	836179	4.76
Surat	32479	65871	107255	3616	209221	1.19
Vashi	43718	NIL	9099	17109	69926	0.4
Goa	36306	6223	58127	72966	173622	1.0
				Total	4225199	

According to the observed data in self consumption the total amount of self consumption of consumables is appx 1.5 crores. Out of which 73% is from SoBo. But in actual total amount of self consumption of consumables is approx. 42.25 lakhs .

Observed



Actual



Recommendations

1) Tracking System should be designed for partially charged items
2) IDs should be made as fast as possible to avoid delayed IDs
3) A policy should be designed for consumables in package, so that each consumable is issued to the patient and not consumed
4) For any promotional event, a separate cash bill should be made for consumables to avoid entering items in self consumption.
5) Any consumable used in OPD should be billed through Pharmacy. Avoid consuming directly from OPD basis.
6) Quantity for common consumables should be defined , to avoid overconsumption of consumables

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