

Study on Correlation Between Quality of Care and OOPE

Presented

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Preview

- Introduction.
- Review of Literature.
- Objective.
- Methodology.
- Results & Discussion.
- Conclusion.
- Recommendations and Limitations.

Introduction

- **About Organisation.**
- **Study Topic.**
- **Sources of Data.**
- **Sequence of work.**

Review of Literature

- **Public provider reduces OOPE.**
- **Public facility preferred for seeking care.**
- **Avail of free service reduces OOPE.**
- **Reducing OOPE can increase healthcare utilisation.**
- **Medication was most expensive component in OOPE both public and private.**
- **OOPE influence healthcare seeking behaviour.**

Objective

To analyse whether there is any correlation between Quality of Care and OOOPE at OPD of selected four states.

Methodology

- Study Area.
- Study Period.
- Method and Material.
- Data Analysis.

Table 4.1-Statewise OOPE

Ser NO	State	Rural	Urban
1	Bihar	52783	19340
2	MP	14801	7040
3	Jharkhand	3831	19297
4	Orissa	15618	12927

Table 4.3-Statewise Average Quality Score

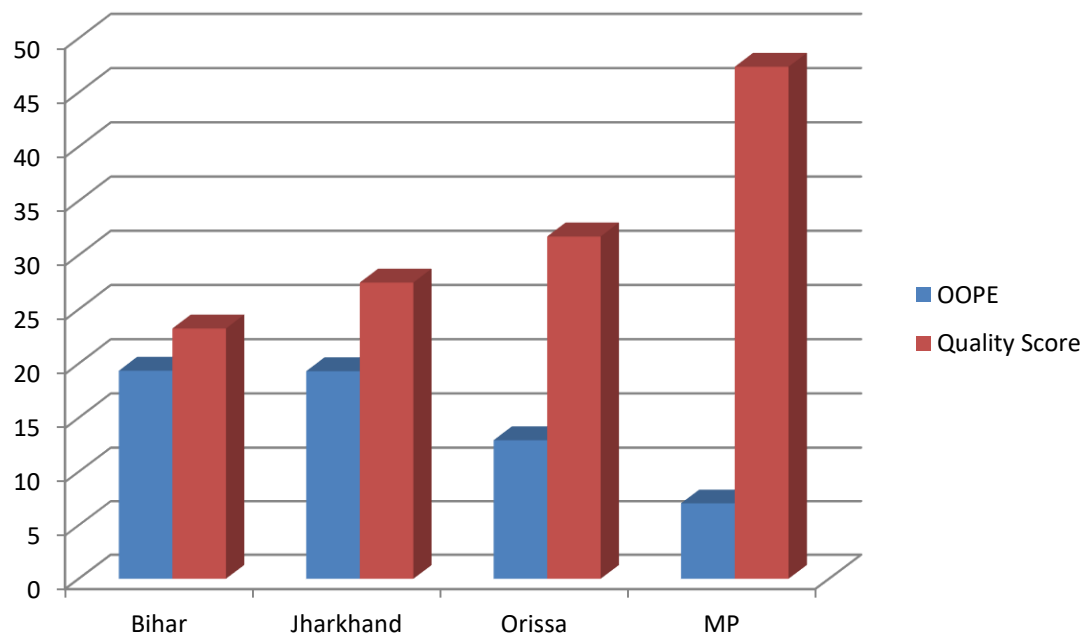
Ser No	State	UPHC-1	UPHC-2	UPHC-3	Avg Score
1	Bihar	32.7	25.4	11.6	23.23
2	MP	56.2	34.3	51.6	47.37
3	Jharkhand	25.1	22.9	34.4	27.47
4	Orissa	37.68	28.85	28.62	31.72

Table 4.4 Statewise Area of Concern Score

State	Ser Pvn	Pt Rt	Input	Sp Ser	Clinical	Inf cont	Qlty Mgt	Outcome
Bihar								
UPHC1	54.1	40	40.5	27.9	49.5	6.4	1.6	3.3
UPHC2	32	35	33.1	29.5	33.9	5.1	0	6.7
UPHC3	14.6	23.8	14.9	10.7	15	0	2.4	2.2
Avg	33.57	32.93	29.50	22.70	32.80	3.83	1.33	4.07
MP								
UPHC1	79.1	53.5	57.5	66.4	73.4	53.8	7.3	0
UPHC2	38.6	46.9	43.3	41.8	33.7	39.7	2.4	0
UPHC3	78.2	51.5	45.4	57.2	70.4	55.4	3.3	0
Avg	65.30	50.63	48.73	55.13	59.17	49.63	4.33	0.00
Jharkhand								
UPHC1	28.5	25.8	32.7	25.3	31.9	16.7	8.9	8.9
UPHC2	33.9	30	31.9	15.5	30	8.7	4.9	10.6
UPHC3	49.4	50	44.2	26	39.3	31.7	3.3	8.4
Avg	37.27	35.27	36.27	22.27	33.73	19.03	5.70	9.30
Orissa								
UPHC1	62.74	46.92	51.39	52.14	54.9	34.38	2.5	0
UPHC2	48.56	45.26	43.02	35.29	41.35	18.41	0	0
UPHC3	51.48	48.25	42.81	33.73	37.24	15.08	0	0
Avg	54.26	46.81	45.74	40.39	44.50	22.62	0.83	0.00

Table 5.1 Statewise OOPE Vs Quality Score		
State	OOPE	Quality Score
Bihar	19340	23.23
MP	7040	47.37
Jharkhand	19297	27.47
Orissa	12927	31.72

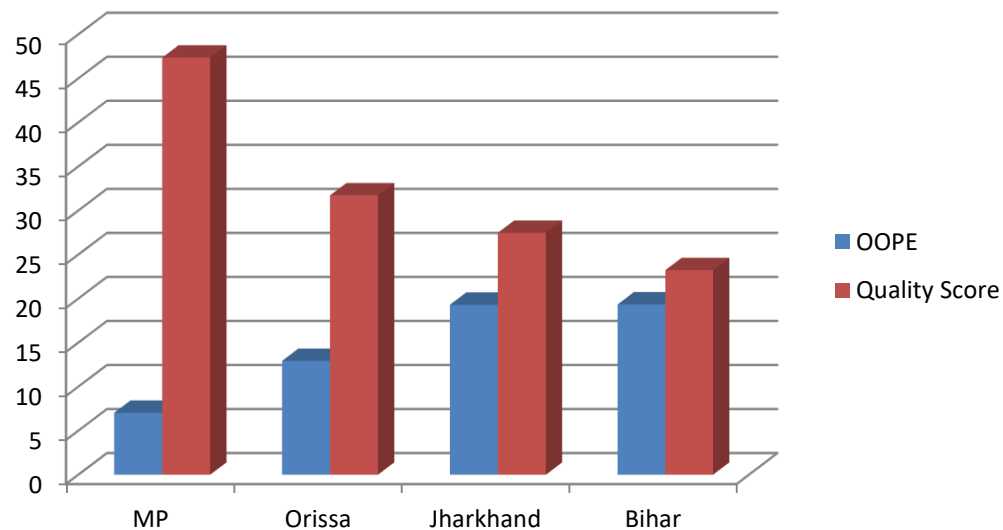
OOPE Vs Quality Score



Interpretation As the quality of care increases the OOPE decreases.

Table 5.2 Statewise OOPE Vs Quality Score		
State	OOPE	Quality Score
MP	7.04	47.37
Orissa	12.927	31.72
Jharkhand	19.297	27.47
Bihar	19.34	23.23

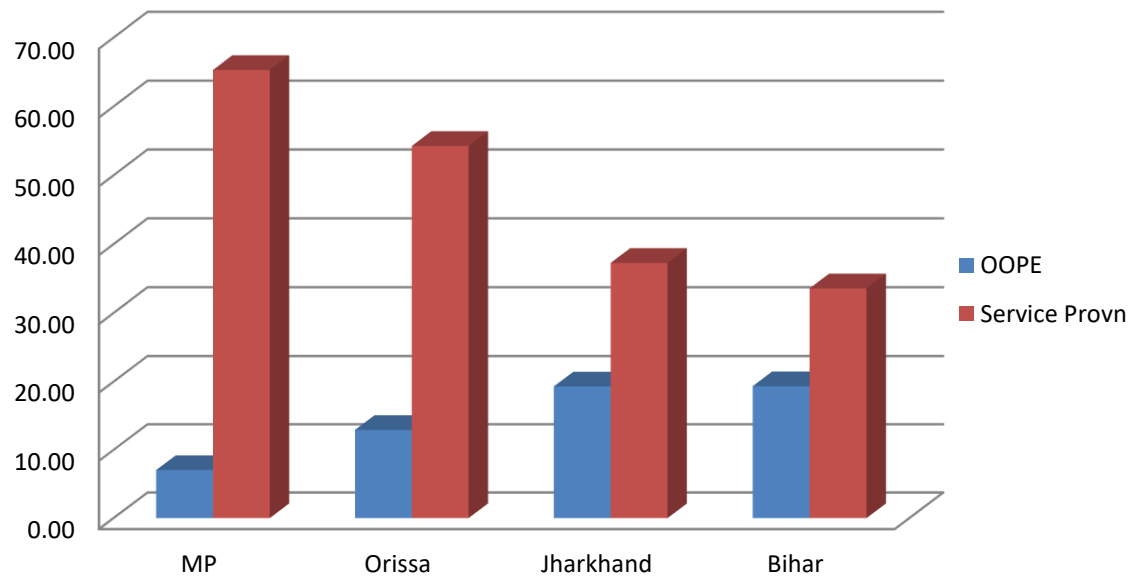
OOPE Vs Quality Score



Interpretation:-As the Quality of Care decreases the OOPE increases.

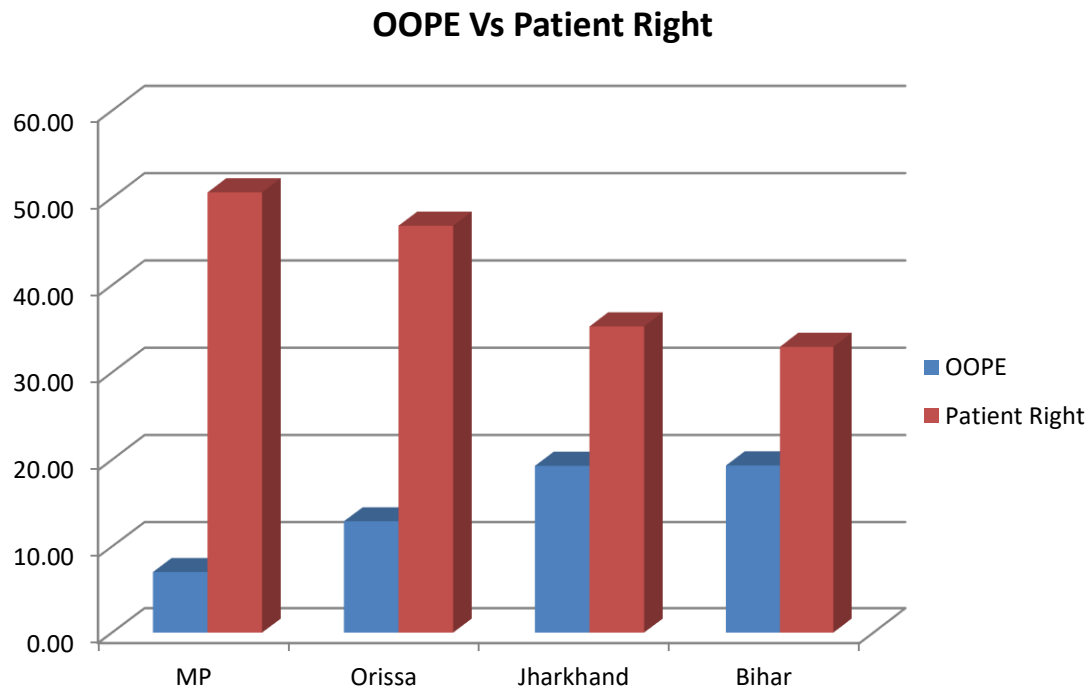
Table 5.3 Statewise OOPE Vs Service Provision		
State	OOPE	Service Provn
MP	7.04	65.3
Orissa	12.93	54.26
Jharkhand	19.30	37.27
Bihar	19.34	33.57

OOPE Vs Service Provision



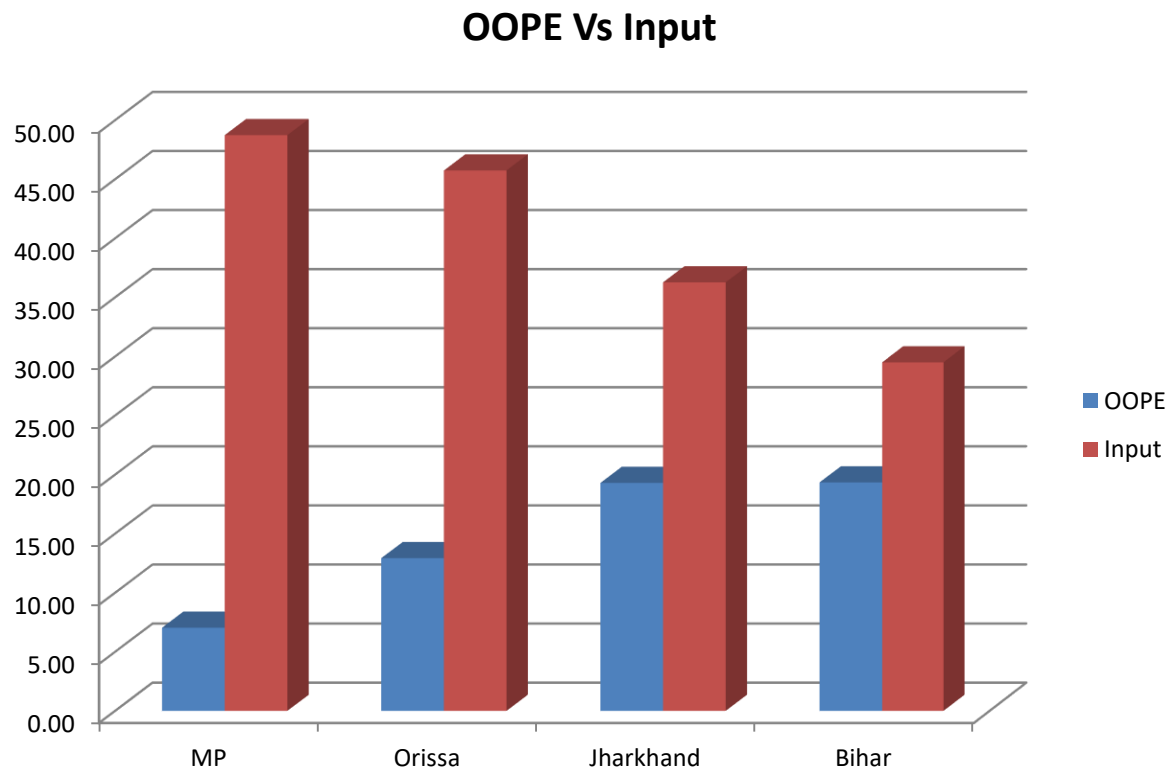
Interpretation As the Service Provision decreases the OOPE increases.

Table 5.4 Statewise OOPE Vs Patient Right		
State	OOPE	Patient Right
MP	7.04	50.63
Orissa	12.93	46.81
Jharkhand	19.30	35.27
Bihar	19.34	32.93



Interpretation **As the Patient Right decreases the OOPE increases.**

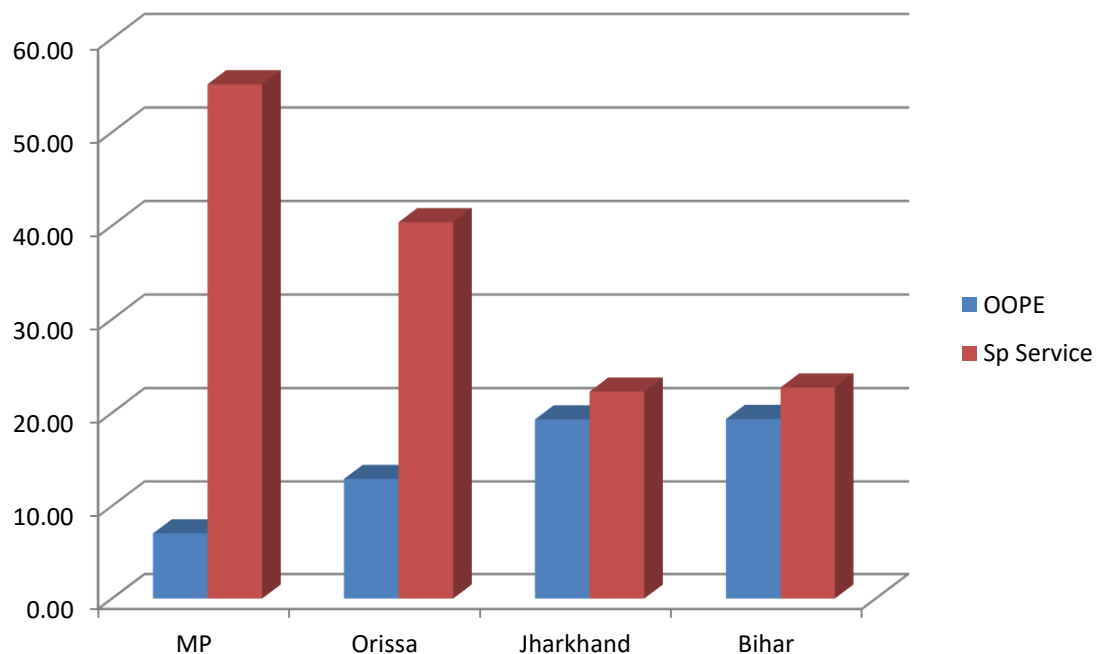
Table 5.5 Statewise OOPE Vs Input		
State	OOPE	Input
MP	7.04	48.73
Orissa	12.93	45.74
Jharkhand	19.30	36.27
Bihar	19.34	29.5



Interpretation **As the Input decreases the OOPE increases.**

Table 5.6 Statewise OOPE Vs Support Service		
State	OOPE	Sp Service
MP	7.04	55.13
Orissa	12.93	40.38
Jharkhand	19.30	22.27
Bihar	19.34	22.7

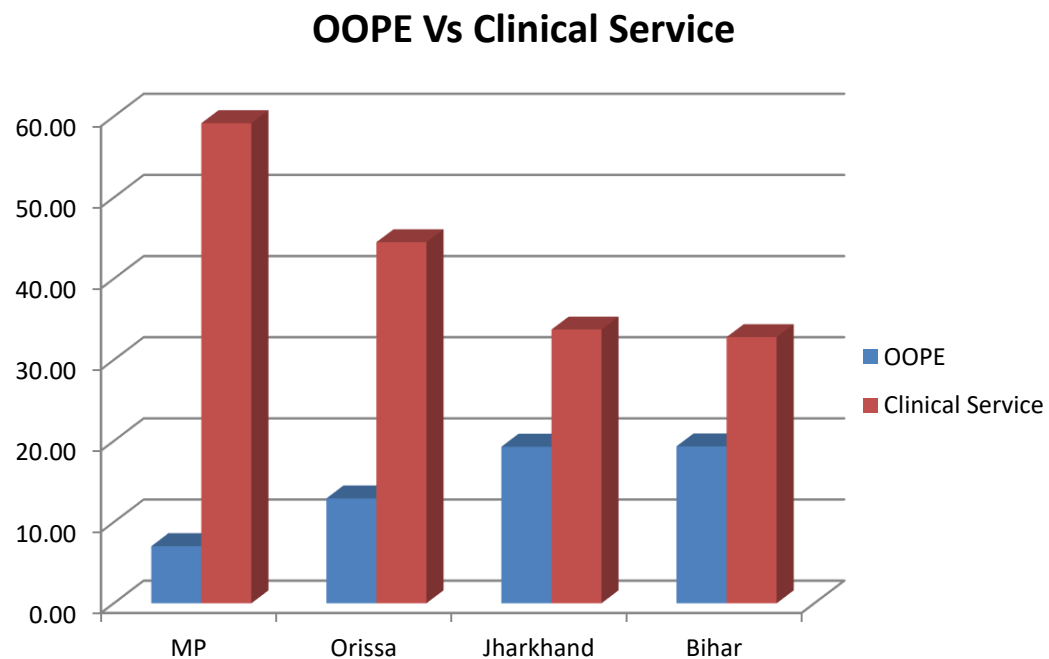
OOPE Vs Support Service



Interpretation

As the Support Services Provision decreases the OOPE increases.

Table 5.7 Statewise OOPE Vs Clinical Service		
State	OOPE	Clinical Service
MP	7.04	59.17
Orissa	12.93	44.5
Jharkhand	19.30	33.73
Bihar	19.34	32.8

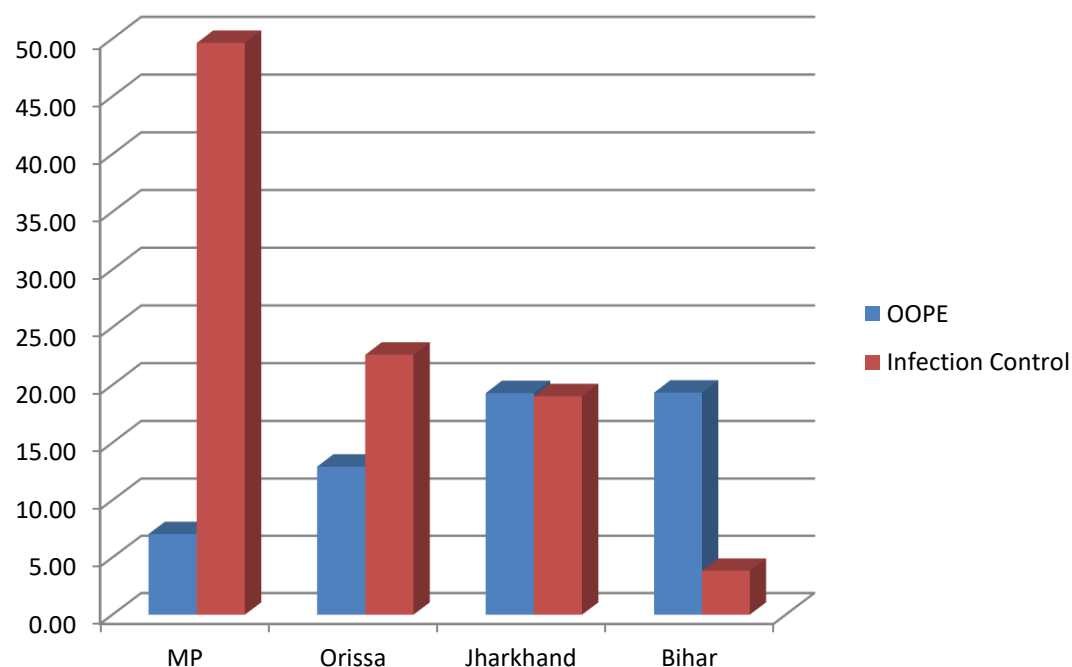


Interpretation

As the Clinical Service Provision decreases the OOPE increases.

Table 5.8 Statewise OOPE Vs Infection Control		
State	OOPE	Infection Control
MP	7.04	49.63
Orissa	12.93	22.62
Jharkhand	19.30	19.03
Bihar	19.34	3.83

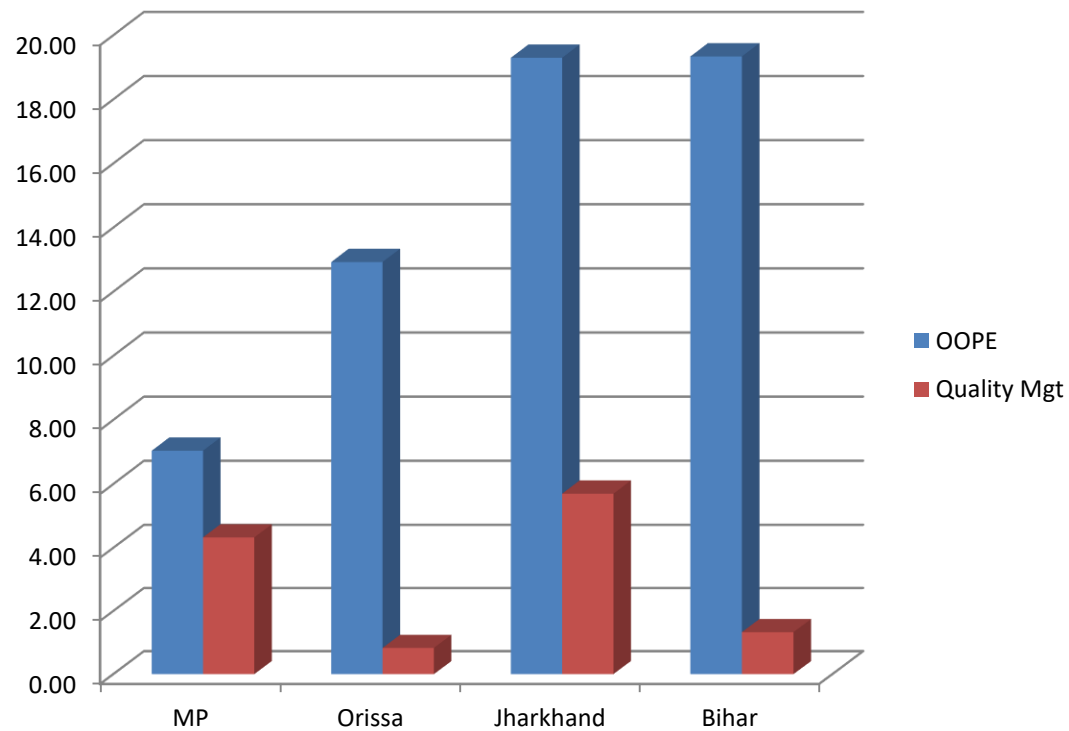
OOPE Vs Infection Control



Interpretation: As the provision for Infection Control decreases the OOPE increases.

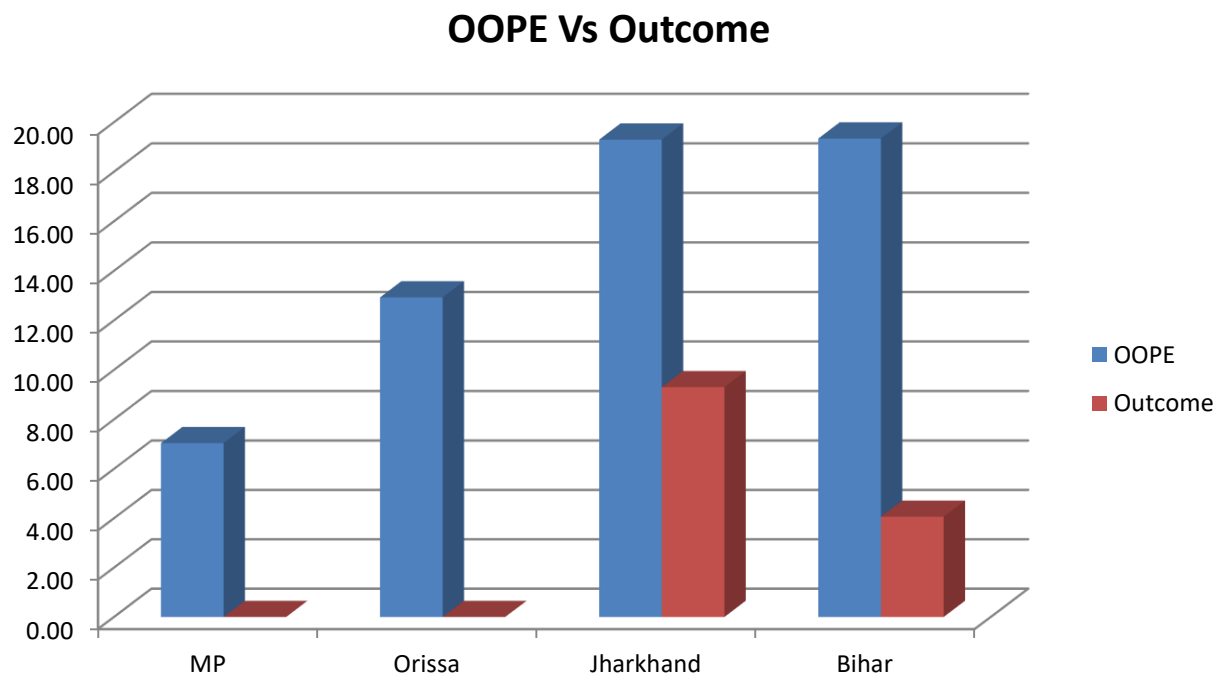
Table 5.9 Statewise OOPE Vs Quality Management		
State	OOPE	Quality Mgt
MP	7.04	4.33
Orissa	12.93	0.83
Jharkhand	19.30	5.7
Bihar	19.34	1.33

OOPE Vs Quality Management



Interpretation : Does not show a fixed pattern.

Table 5.10 Statewise OOPE Vs Outcome		
State	OOPE	Outcome
MP	7.04	0
Orissa	12.93	0
Jharkhand	19.30	9.3
Bihar	19.34	4.06



Interpretation: Does not show a fixed pattern.

Table 6.1 Correlations Quality Score Vs OOPE

		OOPE	Quality
OOPE	Pearson Correlation	1	-.958*
	Sig. (2-tailed)		.042
	N	4	4
Quality	Pearson Correlation	-.958*	1
	Sig. (2-tailed)	.042	
	N	4	4

*. Correlation is significant at the 0.05 level (2-tailed).

The Quality of Care is strongly negatively related with OOPE with (Pearson correlation value = -.958) and relationship is statistically significant (p value = .042).

Summary of Findings

Variable	Pattern with OOPE	Pearson Coeff	P value	Significance
Quality Score	QoS ↑ OOPE ↓	-0.958	0.042	Significant
Service Provn	Service Provn ↑ OOPE ↓	-0.989	0.011	Significant
Patient Right	Patient Rt ↑ OOPE ↓	-0.966	0.034	Significant
Input	Input ↑ OOPE ↓	-0.915	0.085	Not Significant
Sp services	Sp Service ↑ OOPE ↓	-1	0	Significant
Clinical Service	Clinical Service ↑ OOPE ↓	-0.996	0.004	Significant
Infection Cont	Infection Contl ↑ OOPE ↓	-0.92	0.08	Not Significant
Quality Mgt	Mixed Pattern	-0.04	0.96	Not Significant
Outcome	No Set Pattern	0.797	0.203	Not Significant

Conclusion

The quality is strongly negatively related with OOPE with (Pearson correlation value = $-.958$) and relationship is statistically significant (p value = $.042$).

Recommendations

- Q of C in UPHCs should be improved to reduce OOPE.
- Study to include more number of UPHCs and states for better representation and statistical analysis.
- Correlation analysis should be carried out periodically at state level to undertake timely corrective action.
- Provision of OOPE to be compiled at UPHC level.
- Correlation exercise can be conducted for a group of UPHCs of a particular region.

Limitations

- Limited secondary data.
- Data in aggregated form. Hence results are statistically not significant.
- Three UPHCs per state does not represent the entire state.
- The figures of OOPE and UPHC scorecards have been taken merely for the purpose of learning research methodology.

Thank You