

Estimating the cost of diagnosis of infertility and its management including In Vitro Fertilization among infertile couples

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Recommendation:

- ❑ The IVF package for consideration under PM-JAY could be at Rs 81,332 ($\pm 12,949$) for one IVF cycle
 - In 2011, CGHS had issued a directive to reimburse upto 3 cycles of IVF
 - According to NICE guidelines, 3 cycles of IVF are offered to women under 40 who have not conceived after 6 or more cycles of IUI
- ❑ In view of the above, PMJAY could consider including 3 cycles of IVF for reimbursement
- ❑ Not all infertile couples need IVF treatment. However 25% of these couples also face catastrophic expenditure for diagnosis and management.
- ❑ Important to also consider some of these costs for reimbursement

Background:

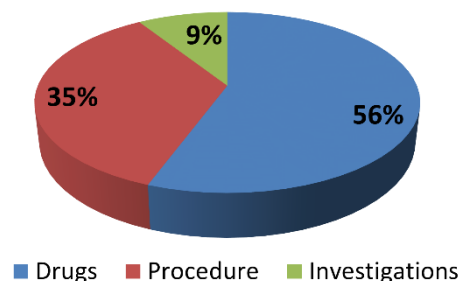
- The World Health Organization (WHO) reports that primary infertility affects 3.9-16.8% of couples in India, among which 8% requires advanced and expensive treatment like In vitro Fertilization.
- Efforts are being made to include IVF in government health schemes like Pradhan Mantri- Jan Arogya Yojana (PM-JAY), necessitating cost assessments.
- This study aimed to estimate cost of diagnosis of infertility and its management including in vitro fertilization and quality of life among infertile couples.

Methodology:

- Health system cost data collected from 3 public and 2 private tertiary hospitals
- 149 participants undergoing IVF were interviewed



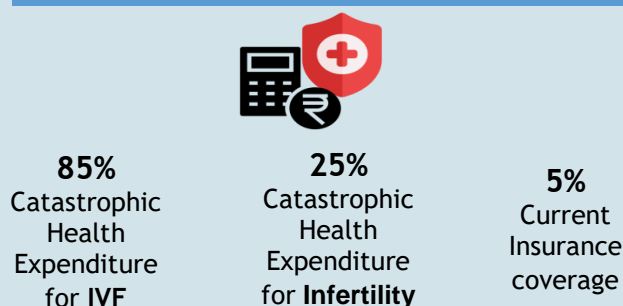
Direct Health Costs contributed to 44% of total Out of pocket expenditure



Key Findings:

- ❑ The average Out-of-Pocket Expenditure (OOPE) for IVF treatment was Rs.1,10,104 ($\pm 75,503$) at public hospitals and Rs. 2,37,851 ($\pm 1,09,556$) at private hospitals, with 85% incurring catastrophic health expenditure.
- ❑ The median out-of-pocket expenditure for infertility treatment at public hospitals was Rs. 7340 (IQR: 3148, 15727), and at private hospitals was Rs.11834 (IQR: 6087, 196381) with 25% incurring catastrophic health expenditure.
- ❑ The health system cost of providing one IVF cycle was Rs. 81,332 ($\pm 12,849$) and infertility management for one year in the public facilities ranged between Rs. 6,822 to Rs. 11,075.

Out of pocket expenditure incurred by couples



IMPACT: Including IVF and Infertility services in PMJAY could potentially reduce catastrophic health expenditures incurred by couples