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Leveraging Insurance and Innovative Financing for Non-Communicable Diseases: The Indian Experience (AB PMJAY)

Global and Regional NCD Burden

- 71% of global deaths due to NCDs (WHO 2018)
- Asia-Pacific: 70% deaths due to NCDs, rising by 2030
- India: 63% deaths due to NCDs
- Economic cost globally: \$47 trillion by 2030
- India: \$237 billion in 2018 → Double by 2030
- Direct/indirect costs drive catastrophic health spending; High Out of Pocket Expenditure

Burden of NCDs in India

- **Prevalence** (2):
 - **Diabetes:** 101 million people.
 - **Hypertension:** 315 million people.
 - **Generalized Obesity:** 254 million people.
 - **Cancer:** 3.2 million people (5 year)
- **Disability-Adjusted Life Years (DALYs):**
 - NCDs account for ~**58% of total DALYs** in India
- **Premature Mortality:**
 - **23% risk of dying** from NCDs between 30–70 years
- **Economic Impact:**
 - Overall high out-of-pocket (OOP) expenses (39.4% of THE) persist despite health financing reforms

India's Response



1. National Program for Prevention and Control of Non-Communicable Diseases (NP-NCD)

- Early detection, screening, and chronic disease management.

2. Ayushman Arogya Mandir (AAM)

- 150,000+ centers offering comprehensive primary health care

3. Pradhan Mantri Jan Arogya Yojana (PM-JAY)

4. Digital Health Initiatives:

- **Ayushman Bharat Digital Mission (ABDM)** building a unified digital health ecosystem
- **Telemedicine** improving specialist access (e-Sanjeevani)

5. Multisectoral Action:

- Tobacco, alcohol, and unhealthy diet control policies

India's Response - AB PM-JAY

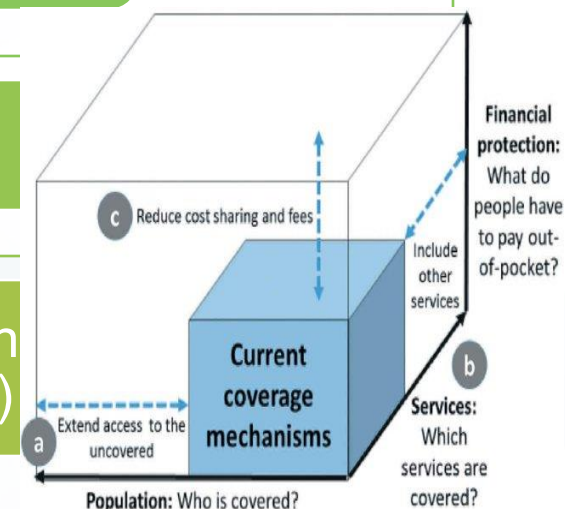
Launched in 2018 for providing financial support against catastrophic healthcare expenditure during episodes of hospital admissions as recommended by the National Health Policy 2017

To meet Sustainable Development Goals (SDGs) and its underlining commitment, which is to "leave no one behind" and as a stepping stone towards UHC

To provide for the unmet healthcare needs of the poor and vulnerable population

Started with covering 550 million poor and vulnerable population now expanded to others (including 60 million elderly and others)

- Reducing out-of-pocket expenditure on healthcare services
- Preventing poor and vulnerable from jumping into poverty trap



Ayushman Bharat PM-JAY

Health cover
of Rs.5 Lakh
(Rs 0.5
Million)
per family per
year

Covers
secondary
and tertiary
healthcare
needs
NCDs are a
major focus
area

Completely
paperless and
cashless
services

No cap on
family size,
age or gender

Pre-existing
conditions are
covered from
day one

Benefits can
be availed at
30,000+
empaneled
hospital
across India

Implemented
in Trust,
Insurance and
Mixed mode

AB PM-JAY covers secondary and tertiary care through several packages (1961 plus add on) spread over 27 specialities.

Overview of Health Benefit Packages (HBP 1.0 to HBP 2022)

HBP 1.0 Specialities:25

- General Surgery
- ENT
- Ophthalmology
- OBG
- Orthopaedics
- Polytrauma
- Cardiology
- Neuro Surgery

HBP 2022 Specialities:27

- Interventional radiology
- Surgical Oncology
- **Organ and tissue transplant (HBP 2.1)**
- Plastic & reconstructive surgery
- Oral and Maxillofacial Surgery
- Cardio-thoracic & Vascular surgery
- Burns Management
- Paediatric surgery
- Urology

- General Medicine
- **Infectious Diseases (HBP 2.0)**
- Paediatric medical management
- Neo-natal
- Medical Oncology
- Radiation Oncology
- Emergency
- Mental Disorders
- **Palliative care (HBP 2022)**

Unspecified surgical packages with cap amount of upto Rs 1,00,000.

And a separate package for above Rs. 1,00,000 upto Rs. 5,00,000 (HBP 2022)

Specialties & NCD Packages in AB PM-JAY

Covers NCD diagnostics, treatment and surgery through evidence-based Health Benefit Packages

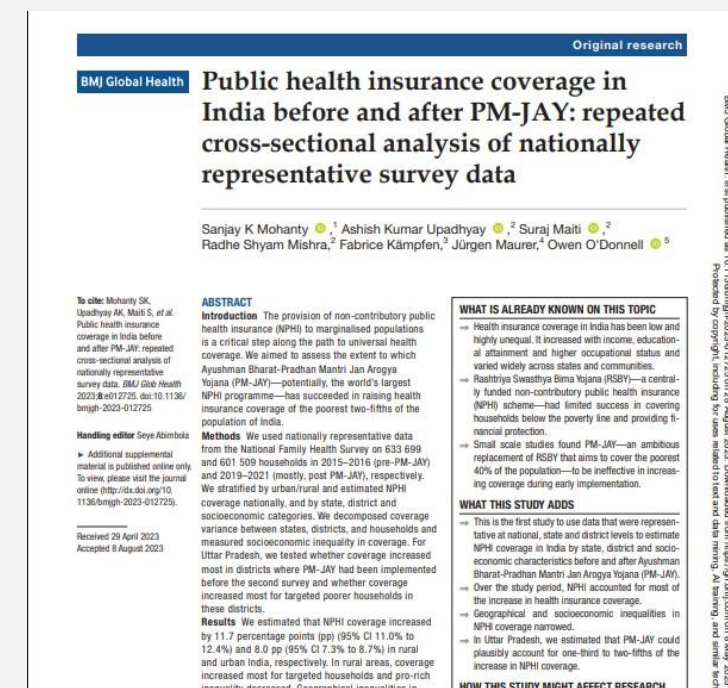
- Cardiology & Cardiothoracic Surgery
- Medical, Radiation and Surgical Oncology
- Nephrology/Urology/Organ transplant (dialysis, transplants)
- General Medicine/Surgery/Ophthalmology (Diabetes complications)
- Palliative care
- Surgical management
- Follow-up packages for CVDs integrated into HBPs

NCD-related claims contribute to a significant share of total claims

Impact

PM-JAY has contributed in –

- Improving health access
- Increased utilization of health care services
- Financial protection
- Reducing inequalities



Impact

- The introduction of PM-JAY led to a 90% increase in timely initiation of cancer treatment among enrolled patients, demonstrating a significant positive impact on reducing treatment delays.
- Significant reduction in OOPE was seen for cancer care under AB PM-JAY
- Average OOPE for cancer patients significantly reduced by in empanelled hospitals
- Financial protection was particularly improved for the poorest quintiles

Articles

Access to timely cancer treatment initiation in India: extent, determinants and trends



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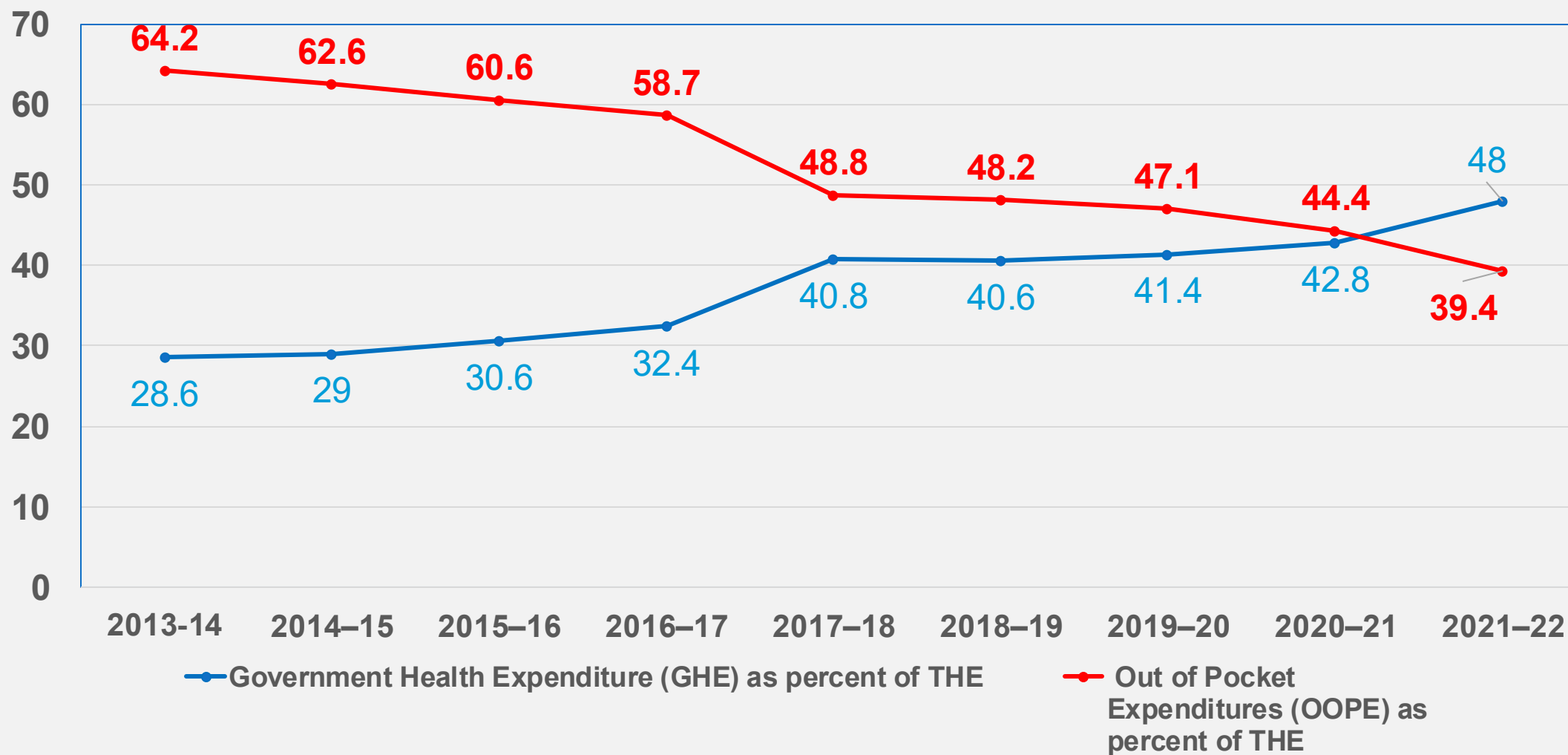
Summary

Background Treatment delays are significantly associated with advanced stage, poor response to treatment, increased mortality risk, poor health outcomes, increased healthcare expenditures among cancer patients. However, factors associated with these delays have not yet been robustly evaluated. In order to bridge this gap, we determined the delayed time to treatment initiation (TTI) among cancer patients in India, ascertained its determinants, and assessed the trends of delayed TTI.

Methods We analysed data collected from 6695 cancer patients seeking outpatient/daycare treatment, recruited at purposively selected seven healthcare facilities across six states of India. Data on socio-demographic and clinical characteristics including date of cancer diagnosis, date of treatment initiation, cancer site, stage and time of

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Health Expenditure



Challenges

- AB PM-JAY is inpatient-focused, while NCDs need long-term OPD care too
- Duplication with vertical NCD programs (as operating in silos)
- Lack of Continuum of Care (Disjointed referral system and lack of follow ups)
- Low Screening rates (<1%) for many cancers
- Poor awareness
- Regional disparities and socio-economic barriers
- Poor health-seeking behavior
- Poor adoption of Digital health initiatives (ABDM)

What Works & What Must Change – Integrating Vertical NCD Programs with Financing

What has worked

- Strong political and financial commitment to UHC and NCD agenda.
- PM-JAY platform enables integration of secondary/tertiary NCD care.
- Digital claims and data analytics (via NAFU/SAFU) improve transparency and feedback loops.
- Emerging state-level innovations (e.g., Incentives, bundled payments).
- Convergence of Schemes

What need to be done

- Vertical fragmentation of NP-NCD and PM-JAY limits care continuity and needs to be addressed.
- Awareness about the schemeContinuum of care rather Integrated care (in both directions) - early detection and upward referral and follow ups after treatment
- Extensive capacity building exercise esp. at primary healthcare level
- Expand PM-JAY to include select outpatient services for NCDs
- Increase adoption of ABDM
- Increased private sector engagement
- Financing reforms

Government Vision



Universal Access: Expand coverage and financial protection for NCDs through Ayushman Bharat PM-JAY.

Service Integration: Bridge primary care (NP-NCD Program, Ayushman Arogya Mandir) and secondary/tertiary care (PM-JAY) for full care continuum.

Strategic Purchasing: Use of Health Benefit Packages to prioritize high-burden, cost-effective NCD services. Broaden scope / rationalization of HBPs too based on the experience.

Standardized Protocols: Implement STGs, quality audits, and clinical checklists within PM-JAY to ensure effective NCD care.

Government Vision

Private Sector Role: Engage private providers through empanelment, especially in underserved regions.

Digital and Data Use: Leverage ABDM and AB PM-JAY claims data for real-time monitoring and policy design.

Targeted Outreach: Tailor coverage expansion and IEC to high-risk populations (elderly, low-income, rural, tribal and other marginalized/vulnerable groups).

Global Alignment: Contribute to SDG 3.4 - one-third reduction in premature NCD mortality by 2030.

Summary

- NCDs are a major burden and economic threat for any country
- AB PM-JAY offers a strong platform for inpatient NCD care
- Although challenges remain in integration and continuity of care, it's a positive move towards a better future and a step towards achieving UHC
- Policy shifts for comprehensive NCD management needs to be there
- Convergence needs to supplement AB PM-JAY for comprehensive response at national level

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Thank You

