

Universal Health Coverage to Persons Living with Tuberculosis through Ayushman Bharat-Arogya Karnataka (AB-ArK)

Government of Karnataka is committed to End TB in the state under “ Kshaya Muktha Karnataka (KMK) by 2025” which is aligned with National Strategic Plan 2017-25, Government of Karnataka. One of the visions of KMK is to reduce the out-of-pocket expenditure of TB patients who are accessing health care services. Ayushman Bharat- Arogya Karnataka (AB-ArK) is a flagship scheme of the government of Karnataka. The integrated AB-ArK has an objective of providing financial protection to poor and vulnerable families against catastrophic health expenditure and to reduce out of pocket expenditure of individuals who are accessing inpatients health care services. The state took up an initiative to extend AB-ArK services to all Persons Living with Tuberculosis who are residents of Karnataka irrespective of their APL/ BPL card status.

The approach was as follows

- District nodal officer of TB and AB-ArK are ensuring the enrolment of presumptive/confirmed TB patients in AB-ArK online portal at designated centers.
- District authorities have empaneled more private hospitals under AB-ArK for providing health care service to TB patients.
- The 58 procedural codes of AB-ArK that can be used for Tuberculosis care were identified and widely disseminated
- The procedural codes included 5 codes for definitive treatment packages of TB, 41 codes under indicative treatment packages for Tuberculosis care, 9 codes for indicative packages for investigation of presumptive Tuberculosis patient and 3 Other indicative codes for treatment of TB patients. The codes are specified in Annexures-1, 2, , 3 and 4, respectively.

The integration got implemented in the state from FY-2018 and results of the same is as follows

Table : Total number of TB patients availed inpatients health care services under AB-ArK

Year	Total Notified TB patients	Total no. of TB patients availed AB-ArK services	Proportion of TB patients availed TB services	Approved amount in lakhs
FY 2018-19 #	38418	98	0.3%	7.96
FY 2019-20	89795	1051	1.2%	81.91
FY 2020-21	64512	1514	2.3%	151.03
FY 2021-22*	35635	1156	3.2%	109.02

Note : # FY 2018-19 – November-18 to March-19 * FY 2021-22 – April-21 to 25th October-21

Proportion of persons living with TB availing inpatient health care services through AB-Ark has increased in the Karnataka from 0.3% in 2018-19 to 3.2% in 2021-22. The cost incurred by AB-Ark to provide TB services also increased from 7.96 lakhs in 2018-19 to 109.02 lakhs in 2021-22. The total out of pocket expenditure saved shall be around 349 lakhs in last 4 years.

Annexure 1: List of definitive treatment packages for Tuberculosis under AB-Ark.

Procedure name	Rates in Govt	Rates in private	Pre-op Investigation	Post-op Investigation	Specialization
4A.M2.00035(D,E,F,G):TB-routine ward	Routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator -3375	Routine ward-1800/ HDU - 2700 / ICU - 3600/ With ventilator -4500	CBC, CT	CBC,CT	Pulmonary Medicine
2A.M1.00027 : Pericardial/ Pleural TB	900; 1350. 1800; 2250	1800; 2700. 3600; 4500	clinical notes, Smear examination, X-ray chest	clinical notes, X-ray chest	General medicine
2B.M2.00050 : Intracranial ring enhancing lesion with complication (neurocysticercosis, tuberculoma)	routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator - 3375	routine ward-1800/ HDU - 2700 / ICU - 3600/ With ventilator - 4500	Clinical Notes with relevant investigations	Treatment Notes	Pediatrics
2B.S5.17021: Anterolateral Clearance For TB	13500	18000	MRI	X Ray film with report, Clinical Photograph	Orthopedics
3A.S13.00067 : Encysted Empyema/Pleural Effusion – Tubercular	20000	20000	Pre-Op X-ray / CT Scan	Post Op X-ray / CT Scan	Cardiothoracic Surgery

Annexure -2 List of indicative treatment packages related to Tuberculosis under AB-Ark

Procedure name	Rates in Govt hospitals	Rates in private hospitals	Pre-op Investigation	Post-op Investigation	Specialization
2A.S5.00076 : Sequestrectomy of Long Bones + anti-biotics + dressing	12500	25000	X-ray, Clinical photo	X-ray	Orthopedics
2A.S1.00025 : Drainage of Psoas Abscess	3750	7500	CT/USG , clinical notes, X-Ray of spine	Clinical photo, OT notes	General Surgery
2A.S1.00249 : Aspiration of cold Abscess of Lymph node	1500	3000	Clinical photo, x-ray chest	Scar photo, HPE	
2A.S1.00250 : Aspiration of Empyema	1000	2000	Chest X-ray	C&S Report, X-Ray	
2B.S4.00069 : Diagnostic laparoscopy & hysteroscopy for infertility	3750	4500	USG and clinical notes	OT Note	OBG
2A.M1.00019 : Pneumonia	900; 1350. 1800,2250	1800; 2700. 3600; 4500	clinical notes, X-ray	clinical notes	General medicine
2A.M2.00029 : Acute severe malnutrition	900; 1350. 1800,2250	1800; 2700. 3600; 4500	Clinical note with Lab reports	Treatment note	Pediatrics
2B.M1.00033 : Lung abscess/ Empyema	Routine ward 1350/ HDU 2025 / ICU 2700/ With ventilator - 3375	Routine ward 1800/ HDU 2700 / ICU 3600/ With ventilator - 4500	clinical notes, X-ray/USG -chest	clinical notes, X-ray/USG chest	General Medicine
3A.M1.00034: Acute and chronic meningitis			Clinical Notes with relevant investigations	Treatment Notes	General Medicine
3A.M1.00047: Severe pneumonia			Clinical Notes with relevant investigations	Treatment Notes	General Medicine
3A.M2.00015 : Chronic cough			Clinical Notes with relevant investigations	Treatment Notes	General Medicine
4A.M1.00006 : Pneumothorax			Clinical Notes with relevant investigations	Treatment Notes	General Medicine
4A.M1.00020 : Acute exacerbation of ILD			Clinical Notes with relevant investigations	Treatment Notes	General Medicine
4A.M1.00044 : Type 1/2 respiratory failure			Clinical Notes with relevant investigations	Treatment Notes	General Medicine

4A.M1.00067 : Respiratory failure due to any cause (pneumonia, asthma, COPD, ARDS, foreign body, poisoning, head injury etc.)			Clinical Notes with relevant investigations	Treatment Notes	General Medicine
4A.M2.00088 : Respiratory failure due to any causes (pneumonia, asthma, foreign body, poisoning, head injury etc.) - routine ward			Clinical Notes with relevant investigations	Treatment Notes	Pediatrics
4A.S13.00066 : Intercostal Drainage and Management of ICD, Intercostal Block, Antibiotics & Physiotherapy	15000	15000	Pre-Op X-ray / CT Scan	Post Op X-ray / CT Scan	Cardiothoracic Surgery
3A.M1.00039 : HIV with complications	routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator -3375	routine ward - 1800/ HDU - 2700 / ICU - 3600/ With ventilator -4500	clinical notes, Blood examination report	clinical notes	General medicine
3A.M2.00036 : HIV with complications -			Clinical note with Lab reports	Treatment note	Pediatrics
3A.M2.00042 : Persistent pneumonia					Pediatrics
3A.M2.00065 : Severe pneumonia					Pediatrics
3A.S13.17102 : Lobectomy	70000	70000	CT Chest report	Post Op X-ray, scar photo	Cardiothoracic Surgery
4A.M2.00017(A,B,&C):Unexplained seizures	routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator -3375	routine ward - 1800/ HDU - 2700 / ICU - 3600/ With ventilator -4500	Clinical notes detailing history and Admission notes showing vitals and examination findings; any investigations done; planned line of management	Detailed ICPs, Treatment details, detailed discharge summary, All investigations reports.	Neonatal And Pediatrics Surgeries
4A.M2.00027(A,B,&C):Pyogenic meningitis	routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator - 3375	routine ward - 1800/ HDU - 2700 / ICU - 3600/ With ventilator - 4500	Clinical notes detailing history and Admission notes showing vitals and examination findings; any investigations done; planned line of management	Detailed ICPs, Treatment details, detailed discharge summary, All investigations reports.	Neonatal And Pediatrics Surgeries
3A.M1.00034B(A,B,&C): Acute and chronic meningitis	routine ward - 1350/ HDU - 2025 / ICU -	routine ward - 1800/ HDU -	Clinical Notes with relevant investigations	Treatment Notes	General Medicine

	2700/ With ventilator – 3375	2700 / ICU - 3600/ With ventilator – 4500			
3A.M1.00047 (A,B,&C):Severe pneumonia	routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator – 3375	routine ward - 1800/ HDU - 2700 / ICU - 3600/ With ventilator – 4500	Clinical Notes with relevant investigations, X-ray/USG of chest	Treatment Notes	General Medicine
3A.M1.00034 (A,B,&C): Acute and chronic meningitis	routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator – 3375	routine ward - 1800/ HDU - 2700 / ICU - 3600/ With ventilator – 4500	Clinical Notes with relevant investigations	Treatment Notes	General Medicine
4A.M1.00067C:Respiratory failure due to any cause(pneumonia, asthma, COPD, ARDS, foreign body, poisoning, head injury etc.)	routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator – 3375	routine ward - 1800/ HDU - 2700 / ICU - 3600/ With ventilator – 4500	Clinical notes, X-ray/CT chest	Clinical notes, X-ray/CT chest	General Medicine
2A.S1.00017: A.S1.00017 : Cervial Lymphnodes Excision	General ward- 1000	General ward- 2000	USG/Biopsy/ FNAC	USG, HPE Report	General surgery
2A.S1.00018 : Colostomy	General ward- 10000	General ward- 20000	Biopsy of the primary+ CT Scan with film	Clinical Photograph of operated site	General surgery
2B.S1.00043 : Excision Small Intestinal Fistula	General ward-9000	General ward- 12000	USG/ CT, provisional diaganosis	1. Scar photo, 2. Clinical notes, 3. Daily bed side rounds notes, 4. OT notes 5. LAB investigations, 6.Discharge summary 7.Final bill	General surgery
2B.S1.00086 : Intestinal Obstructio	General ward-9375	General ward- 12500	X-Ray abdomen /CT /USG, provisional diaganosis	1. Scar photo, 2. Clinical notes, 3. Daily bed side rounds notes, 4. OT notes 5.	General surgery

				LAB investigations, 6. Discharge summary 7. Final bill 8. USG	
2B.S1.00090 : Intestinal Perforation (Resection Anastomosis)	General ward- 15000	General ward- 20000	Erect abdomen X Ray/CT Abdomen, provisional diagnosis	1. Scar photo, 2. Clinical notes, 3. Daily bed side rounds notes, 4. OT notes 5. LAB investigations, 6. Discharge summary 7. Final bill	General surgery
2B.S1.00095 : Ileostomy	General ward- 15000	General ward- 20000	Biopsy of the primary + CT Scan with film, provisional diagnosis	1. Scar photo, 2. Clinical notes, 3. Daily bed side rounds notes, 4. OT notes 5. LAB investigations, 6. Discharge summary 7. Final bill	General surgery
3A.S1.00120 : Resection Anastomosis (Large Intestine)	General ward- 11250	General ward- 15000	USG / CT Scan	Scar photo, HPE	General surgery
3A.S1.00121 : Resection Anastomosis (Small Intestine)	General ward- 11250	General ward- 15000	USG / CT Scan	Scar photo, HPE	General surgery
3A.S1.00179 : Laparoscopic Adhesiolysis	General ward- 11250	General ward- 15000	MRI/ CT Abdomen	Scar Photo, HPE Report	General surgery
3A.S1.00201 : Caecostomy	General ward- 7500	General ward- 10000	Clinical notes, USG/ CT	Scar photo, HPE	General surgery
3A.S1.00202 : Closure of Colostomy	General ward-22500	General ward-30000	Colonoscopy, Biopsy	Clinical Photograph showing scar	General surgery
3A.S1.00234 : Thoracoscopic Decortication	General ward-18750	General ward-25000	Clinical Photograph	Scar photo	General surgery
4A.S15.00021A Tracheostomy	General ward - 3750	General ward-5000	Clinical photo	Clinical photo	General surgery

Annexure -3 List of indicative packages for investigation of presumptive Tuberculosis.

Procedure name	Rates in Govt hospitals	Rates in private hospitals	Pre-op Investigation	Post-op Investigation	Specialization
3A.M2.00015(H,I,J& K) : Chronic cough	Routine ward - 1350/ HDU - 2025 / ICU - 2700/ With ventilator - 3375	Routine ward - 1800/ HDU - 2700 / ICU - 3600/ With ventilator - 4500	Clinical note with Lab reports	Treatment note	PULMONOLOGY
2A.S1.00249 : Aspiration of cold Abscess of Lymph node	1500	3000	Clinical photo, x-ray chest	Scar photo, HPE	General Surgery
2A.S1.00250 : Aspiration of Empyema	1000	2000	Chest X-ray	C&S Report, X-Ray	
2B.S1.00046 : Excision of Swelling in Right Cervical Region	3000	4000	FNAC/ Biopsy	HPR	
2B.S4.00069 : Diagnostic laparoscopy & hysteroscopy for infertility	3750	4500	USG and clinical notes	OT Note	OBG
2A.M1.00071 : High end radiological diagnostic (CT, MRI, Imaging including nuclear imaging) - can only be clubbed with medical package. Rs 5000 per annum limit to a family)	2500	5000	Clinical notes	Clinical notes	General Medicine
2A.M1.00072 : High end histopathology (Biopsies) and advanced serology investigations - can only be clubbed with medical package. Rs 5000 per annum limit to a family	2500	5000	Clinical notes	Clinical notes	General Medicine
3A.S15.17169 VATS/Laparoscopy (for deep seated biopsy)	7500	10000	CT report with film	Scar Photo	Oncology
2A.S1.00250: Aspiration of Empyema	1000	2000	Chest X-ray	C&S Report, X-Ray	General surgery

Annexure 4: Other indicative codes for treatment of TB patients

Procedure name	Rates in Govt hospitals	Rates in private hospitals	Pre-op Investigation	Post-op Investigation	Specialization
2A.M1.00068 : Blood and blood component transfusion (admission for a diagnostic procedure leading to treatment requiring admission, e.g. bone marrow and bone biopsy, endoscopy, liver biopsy, bronchoscopy, CT/MRI under GA, broncho-alveolar lavage, lumbar puncture, muscle biopsy, pleural aspiration, ascitic tapping etc.)	1000	2000	Blood group matching	Clinical notes	General Medicine
2A.M1.00068A : Blood and blood component transfusion (admission for a diagnostic procedure leading to treatment requiring admission, e.g. bone marrow and bone biopsy, endoscopy, liver biopsy, bronchoscopy, CT/MRI under GA, broncho-alveolar lavage, lumbar puncture, muscle biopsy, pleural aspiration, ascitic tapping etc.)	1000	2000	Blood group matching	Clinical notes	Pediatrics
2B.M2.00099 : Blood and blood component transfusion up to a limit of 2 days(admission for a diagnostic procedure leading to treatment requiring admission, e.g. bone marrow and bone biopsy, endoscopy, liver biopsy, bronchoscopy, CT/MRI under GA, broncho-alveolar lavage, lumbar puncture, muscle biopsy, FNAC, pleural aspiration, ascitic tapping, neostigmine challenge test etc.)	1125	1500	Clinical note with Lab reports	Treatment note and HPE report	Pediatrics