

HEALTHTECH &amp; CLINICAL RESEARCH · TATA TRUSTS

# Oral Cancer Screening Platform, Assam

TATA Trusts · NCI · King's College London · CCE · B. Borooah Cancer Institute

BUILD · OPERATE · HIPAA · ICD-10 · HL7

## The challenge

TATA Trusts' pilot study — 'developing an efficacious oral cancer screening strategy for India' — required screening 15,000 tobacco users aged 30–65 over one year through community camps in Kamrup district, Assam, with positive cases referred to Dr. B. Borooah Cancer Institute, Guwahati. Field connectivity was unreliable; research data quality was non-negotiable.

## What we did

DWI built the complete Android application for multi-camp online screening with multiple dashboard views and reporting formats — working in both online and offline modes with dynamic batch syncing.

Data flows through first-level validation and approvals by hospital senior staff into automated research outputs via admin panels and statistical interventions, serving Tata Memorial Hospital, the Medical Research Council (UK) and the Trusts' operations office.

- Government dashboard plus interfaces with beneficiary offices
- Phase I in Tinsukhia and Dibrugarh, later the whole district
- HIPAA, ICD-10 and HL7 compliant end to end

## Results at a glance

<b>15,000</b>	<b>100+</b>	<b>Offline-first</b>	<b>3</b>
TOBACCO USERS SCREENED	FIELD WORKERS DAILY	DYNAMIC BATCH SYNCING	COMPLIANCE STANDARDS

## The outcome

100+ field workers use the platform daily across Assam, and the time to analyse data for multiple research partners dropped drastically thanks to live dashboards and automated reporting.

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