

Saloni Patil, MPH, BDS

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PROFESSIONAL EXPERIENCE

Research Associate | Boston University School of Public Health | Boston, MA

Nov 2025 – May 2026

- Coordinated data management and statistical analysis for a multi-site tuberculosis study involving 4,430 index patients and 19,668 household contacts, consolidating four site datasets into a validated master database under Data Use Agreement requirements.
- Developed a standardized data dictionary of more than 30 variables and resolved data and protocol discrepancies with faculty investigators through SAS-based quality checks.
- Conducted mixed-effects regression and sensitivity analyses to identify predictors of tuberculosis, producing four publication-ready tables and drafting the Methods and Results sections of the first-author manuscript.

Graduate Researcher | Boston University School of Public Health | Boston, MA

Sept 2024 – May 2026

- Co-led participant recruitment strategy, SOP development, structured survey administration, and data-collection workflows for a mixed-methods study involving 102 participants and an eight-person focus group.
- Independently coded qualitative data in NVivo, organizing more than 30 codes into 10 themes to support manuscript and abstract development.
- Conducted data validation and multivariable analyses in SAS and R across infectious-disease, cardiovascular, and maternal-child-health datasets.

Medical Officer | Health Assure Pvt. Ltd. | Mumbai, India

Feb 2024 – May 2024

- Conducted more than 500 structured telehealth interviews, averaging 80 to 90 calls daily, to obtain patient consent, medical histories, symptoms, and relevant clinical information.
- Maintained accurate EMR documentation and Excel-based audit records, investigated discrepancies, and supported ongoing data-quality assurance.
- Coordinated patient screening, referrals, scheduling, and follow-up with multidisciplinary healthcare teams to support continuity of care.

Clinical Experience | S.M.B.T. Dental College & Nair Hospital Dental College | Mumbai, India

Sept 2020 – Dec 2023

- Completed more than 700 patient encounters involving medical history collection, clinical documentation, patient education, treatment support, and follow-up.
- Led recruitment and enrollment for an oral tobacco-cessation program, contributing approximately 80 to 85 percent of departmental enrollment through clear explanations of procedures, confidentiality, and voluntary participation.
- Guided participants through structured informed-consent discussions covering study objectives, confidentiality, potential concerns, and the right to withdraw.
- Monitored and documented nicotine-withdrawal symptoms during follow-up, assessed potential contributing factors, and communicated clinically relevant findings to supervising faculty.

ABSTRACT & PRESENTATION

Patil S, Hussain H, Malik AA, Brooks MB. Who Develops Tuberculosis? Evidence from a Large Real-World Household Contact Investigation in Pakistan. *First-author abstract selected for oral presentation at The Union World Conference on Lung Health 2026.*

ADDITIONAL RESEARCH

Independent researcher, mRNA tuberculosis vaccine scoping review and GLP-1 medication utilization analysis using MEPS 2023 data (ongoing, target completion September 2026).

EDUCATION

Master of Public Health, Epidemiology and Biostatistics, Boston University School of Public Health, Boston, MA May 2026

Bachelor of Dental Surgery, S.M.B.T. Dental College and Hospital, MUHS, Maharashtra, India

Dec 2023

SKILLS

Clinical Research: Participant recruitment and enrollment, eligibility screening, informed-consent discussions, participant scheduling and follow-up, structured interviews, clinical and source documentation, protocol adherence, SOP development, data-quality assurance, discrepancy resolution, audit-ready record keeping

Research Methods: Mixed-methods research, qualitative coding and thematic analysis, manuscript and abstract development, systematic and scoping reviews

Systems and Analysis: REDCap, EMR, KoboToolbox, NVivo, Excel, Microsoft Access, SAS, R, Python

Training: CITI Human Subjects Research, HIPAA, ICH-GCP, Race in Clinical Research