

NIMHANS-NH-SKAN Stroke Project Quarterly report (January 2025-13th March 2025)

1. Highlights of the study progress in the last quarter

a. Key accomplishments-

i. House numbering and community mobilisation

15 Villages of Devarayasamudra PHC

17 Villages of Avani PHC

ii. Community meetings

15 Villages of Devarayasamudra PHC

4 Villages of Avani PHC

iii. Field Data Collector's Training

3rd FDC training (06/01/2025-22/01/2025)

4th FDC training (21/01/2025-30/01/2025)

5th FDC training (10/03/2025-22/03/2025)

Trained a total of 21 data collectors and 6 phlebotomists.

iv. Stroke-free cohort: Data collection and Sample collection (17/12/2024-13/03/2025)

	Household questionnaire completed	Individual questionnaire completed	Blood sample collected
Devarayasamudra PHC (20 villages)	2047	3981	2831
Avani PHC (3 villages)	272	338	264
Total	2319	4319	3095

v. **Stroke-cohort:** Baseline data collected for four stroke patients, with follow-up schedule reported.

vi. **Monitoring by Co-Principal Investigator and Senior Research Officer:** Felt the need for refresher training to core team.

vii. Refresher training for core team (17/02/2025-20/02-2025)

b. Brief summary of all activities, progress along with timelines.

- Meetings: Multiple meetings with app developers on a day-to-day basis.
- Tools development: Nil
- Cohort enrolment – Numbers
 - Sample Size-~2 lakh
 - Current Recruitment size- Provided in the table below (Page 3 and 4)
- List of Hypothesis being tested: Nil
- Publications/ poster/oral presentations if any of funded projects across different platforms (conferences, seminars, etc.)- Effectiveness of a district level Comprehensive Acute Stroke Care moDel (CASCADE) for management of acute stroke patients in Karnataka – A quasi experimental study-Submitted to BMC Health Services Research journal.
- Any other material worthy of being shared- Nil

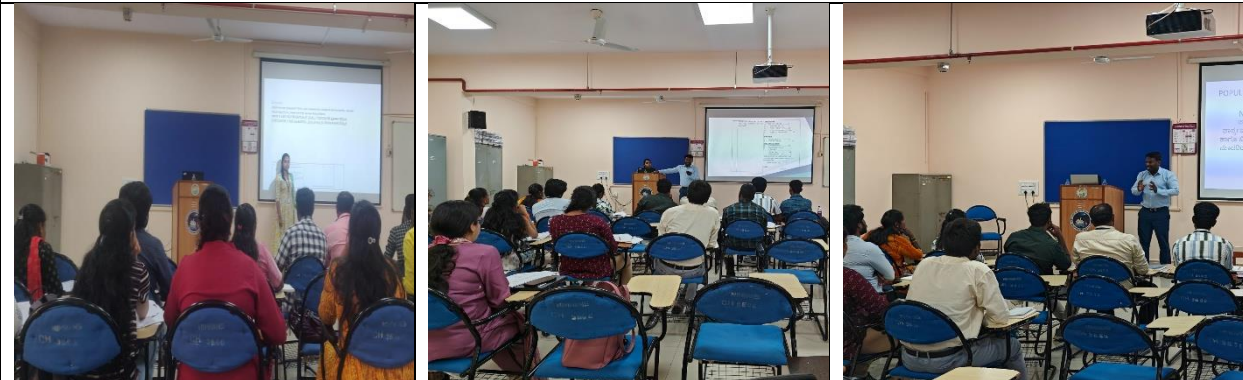
GALLERY OF ACTIVITIES



3rd Field Data Collector's Training



4th Field Data Collector's Training



5th Field Data Collector's Training



Household numbering



Community meeting



Stroke-free cohort data collection



Stroke-free cohort blood sample collection



Sensitisation in Mulbagal hospitals and private clinics to inform about reporting stroke case



2. Challenges -

- i. **Application Challenges:** The web application dashboard is not yet operational; reporting downloads is difficult and got delayed few times making it difficult to generate the pending list. Consequently, the action plan was strategically impacted. Additionally, the individual forms list view screen takes longer duration to load.
- ii. **Mobile Application Performance:** The mobile application slowed down after entering 4-5 entries, affecting data entry efficiency.
- iii. **Participant Unavailability:** Interviewing participants in the morning is challenging as many leave for work early.
- iv. **Fieldwork Timing Adjustment:** Many participants consume coffee before 5 AM before heading to work. To address this, field visits were scheduled before 5 AM, and follow-up calls for pending blood sample collection were conducted in the evening.
- v. **Seasonal Constraints:** The summer season coincides with multiple festivals and jatres (fairs) leading to participant unavailability.
- vi. **Community Meeting Attendance:** Despite scheduling meetings at community convenient times, attendance is largely limited to elderly individuals and housewives.

3. SWOT analysis of planned study along with plans to mitigate the same



4. Proposed plan for next quarter

- i. Recruitment and training of data collectors for Bengaluru study site
- ii. Initiation of data collection at Bengaluru study site
- iii. 4th Independent Monitoring Team meeting, 3rd Expert Advisory Group meeting
- iv. Drafting a paper on community engagement.