

NIMHANS-NH-SKAN Stroke Project Quarterly report (April 2025-June 2025)

1. Highlights of the study progress in the last quarter

a. Key accomplishments-

i. House numbering and community mobilisation:

20 villages at Mulabagilu and 1 ward at Bengaluru

ii. Community meetings:

Conducted in 18 villages (multiple meetings at same village is considered as one meeting) of Mulabagilu

Byrasandra ward of Bengaluru

iii. Field Data Collector's Training:

Trained a total of 20 field data collectors during this period.

iv. Stroke-free cohort:

Data collection and Sample collection during the current quarter

	Household questionnaire completed	Individual questionnaire completed	Blood sample collected
Mulabagilu	2436	4686	4269
Bengaluru	452	232	183
Total	2798	4918	4452

Response rate

Household questionnaire completed	Individual questionnaire completed	Blood sample collected
95.56%	83.23%	76.90%

v. Stroke-cohort: Baseline data collected for 4 stroke patients, with appropriate follow-ups.

vi. CASCADE: 5 Hospital preparedness assessment initiated and 39 CASCADE stroke case recruitment in pre-intervention arm initiated

vii. Stool sample collection training for gut microbiome study was conducted on 30th May 2025

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

- Meetings: 4th Independent Monitoring Team visit (04/05/2025 to 07/05/2025), 3rd Expert Advisory Group meeting (19/06/2025), 4th Investigator's meeting (13/06/2025)
- Tool development: Completed development of Individual questionnaire follow-up
- Cohort enrolment – Numbers
 - Sample Size-~2 lakh
 - Current Recruitment size- Provided above
- 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. Status: under review
- Any other material worthy of being shared- IEC videos: beneficiary video, District Surgeon talking about stroke project.

GALLERY OF ACTIVITIES



Field Data Collector's Training



Field Data Collector's Training



Mulabagilu community meeting

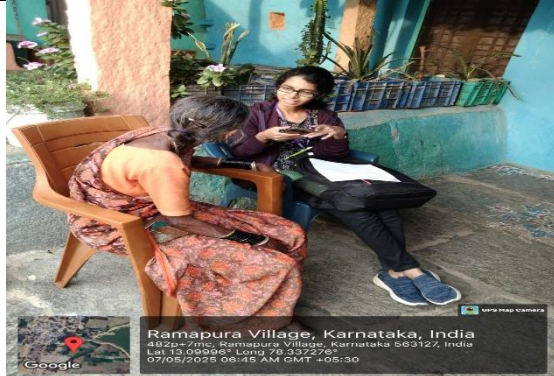


Dangura for community mobilisation



Reddihalli, Karnataka, India
20th+sq, Reddihalli, Karnataka 563112, India
Lat 13.0806275° Long 78.3679031°
26/04/2025 11:00 AM GMT +05:30

ASHA meeting attended by Junior Community Mobiliser to inform about stroke case



Rampura Village, Karnataka, India
432277, Rampura Village, Karnataka 660127, India
Lat 13.06996° Long 78.332276°
07/06/2025 06:46 AM GMT +05:30

Utilising ASHAs for community mobilisation in the village



Batlavanahalli, Karnataka, India
4822+sq, Batlavanahalli, Karnataka 563112, India
Lat 13.1003985° Long 78.336367°
07/06/2025 06:03 PM GMT +05:30

Mulabagilu data collection



Kothamangala, Karnataka, India
589c+95p, Kothamangala, Karnataka 563112, India
Lat 13.168576° Long 78.319957°
17/02/25 06:12 AM GMT +05:30



Jammanahalli, Karnataka, India
582w+54v, Jammanahalli, Karnataka 563127, India
Lat 13.150298° Long 78.345886°
11/03/2025 09:02 AM GMT +05:30



Varadaganahalli, Karnataka, India
48p+wf, Varadaganahalli, Karnataka 563112, India
Lat 13.137361° Long 78.339726°
13/03/2025 07:18 AM GMT +05:30

Mulabagilu blood sample collection



Bengaluru, Karnataka, India
Parasmani Repency Block, 7th Main Rd, Jaya Block, Kanakan Palya, Balasandra Extension, Bengaluru, Karnataka 560041, India
Lat 12.940783° Long 77.581778°
23/05/2025 03:17 PM GMT +05:30



Bengaluru, Karnataka, India
68, 4th T Block East, Jayanagar 4th Block East, Jayanagar, Bengaluru, Karnataka 560011, India
Lat 12.928553° Long 77.589621°
08/06/2025 11:40 AM GMT +05:30

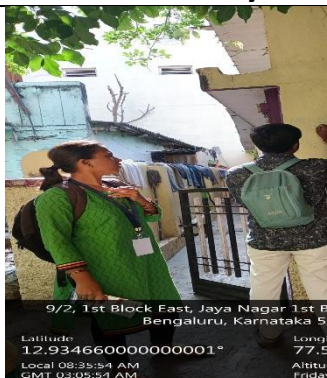


Bengaluru, Karnataka, India
54, 1st Block, Jaya Nagar East, Jayanagar, Bengaluru, Karnataka 560011, India
Lat 12.935997° Long 77.590372°
02/06/2025 10:35 AM GMT +05:30

Bengaluru community meeting



Bengaluru, Karnataka, India
127/3, 25th Cross, Near Vector India Institute And Akash Institute, 4th T Block East, Jayanagar 3rd T Block East, Jayanagar, Karnataka 560017, India
Lat 12.931438° Long 77.588152°
23/05/2025 11:18 AM GMT +05:30



9/2, 1st Block, East, Jaya Nagar 1st Block East, Bengaluru, Karnataka 560011, India
Latitude 12.934660000000001° Longitude 77.589621°
Local 08:35:34 AM GMT 03:05:34 AM Altitude 77.5 Feet



Bengaluru, Karnataka, India
74, 3rd Block East, Lic Colony, Jayanagar 4th Block East, Jayanagar, Bengaluru, Karnataka 560017, India
Lat 12.929601° Long 77.590158°
29/05/2025 10:27 AM GMT +05:30

Bengaluru house to house sensitisation



Bengaluru Household numbering



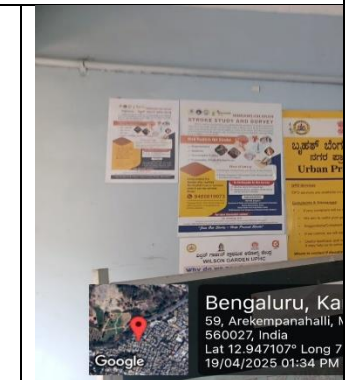
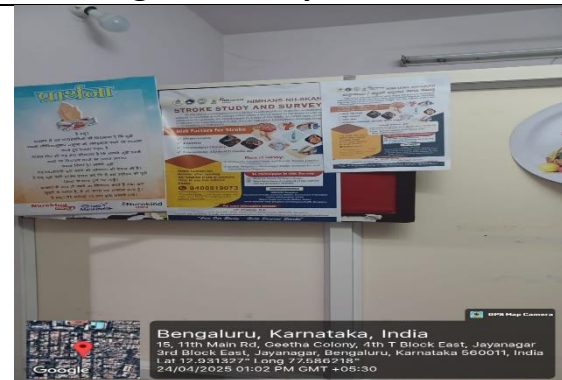
Bengaluru Sensitisation



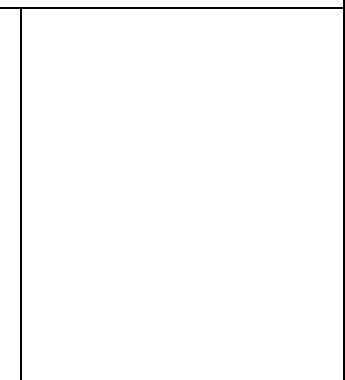
Bengaluru data collection



Bengaluru sample collection



Sensitisation in Bengaluru hospitals and private clinics to inform about reporting stroke cases



Regular briefing sessions with FDCs regarding data



Monitoring by senior officer



4th Independent Monitoring Team visit



Stool sample collection training for gut microbiome study



4th Investigator's meeting



3rd Expert Advisory Group meeting

2. Challenges -

- i. **Application Challenges:** From April to June, several issues were reported to the Happiest Minds team related to: challenges such as data mismatches, duplicate records, incorrect household/individual details. There were also technical challenges like validation gaps, missing values, dashboard discrepancies, and slowness in form entry. All these issues were reviewed and resolved by the team.
- ii. **Shortage of data collectors and FDC attrition:** The target could not be attained as only 45 data collectors were available against the planned 80. Fluctuations in the number of working FDCs further contributed to the shortage. Measures such as salary revision, campus interviews, and collaboration with placement cells were adopted to address this challenge.
- iii. **Slow progression of data collection:** Attrition among FDCs led to delays in data collection. This necessitated salary increments and modifications in the earlier planning and strategies to ensure smoother progress.
- iv. **Seasonal Constraints:** Rainy season, weeding, festivals affecting availability of participants for data collection. Flexible scheduling and co-ordination with community leaders was done. **Staggered Visits:** Distributing workload across teams so that some continue in less-affected areas during peak constraints.
- v. **Community Meeting Attendance:** Despite scheduling meetings at community convenient times, attendance is largely limited to elderly individuals and housewives. Engaging working-age groups by scheduling meetings in the early mornings, evenings.

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 and Mulabagilu study site
- ii. Forming Community Advisory Board (CAB).