

Data Scoping and Evidence map generation exercise Final Report

March 2020

Submitted By:

Dipak Upadhyaya

Central Department of Public Health, Institute of
Medicine, Nepal



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Executive Summary

This report presents the main accomplishment of the contract agreement between Breakthrough Action Nepal and Mr. Dipak Prasad Upadhyaya. The contract period covered the duration for a total of 4 months from November 1, 2019, to February 29, 2020. This brief report provides descriptive information on the deliverables: data scoping working group, data scoping exercise excel sheet, evidence maps, and other accomplishments.

Data scoping exercise is the collaboration between the Central Department of Public Health, Institute of Medicine (CDPH/IOM) and Breakthrough ACTION (BA) Nepal- rigorously collaborate the academia and public health practice, to strengthen the public health practice and education. The first important outcome was students had learned data scoping skills and developed data scoping exercise sheet on behavioral factors of non-communicable diseases. We find that we can leverage the linkage of public health practice and education for system strengthening.

Further, students had developed not only an evidence map on NCDs and their behavioral influencing factors, but also prepared abstract for scientific summit. It reflects that small-scale collaboration to transfer skills might have a significant difference in teaching-learning. Besides, CDPH has planned to incorporate data scoping and SBC Palika Package tools as a teaching-learning instrument in the curriculum for graduate and undergraduate level. In addition to that, this pool of students can facilitate transfer skills on data scoping to the next cohort and there exist for the long term. Hence, this type of collaboration with academic and public health practice not only strengthens the system but also bolster institutional memory in the long run.

Background

Breakthrough ACTION Nepal, a USAID funded project being implemented by Johns Hopkins Center for Communication Programs (CCP), works in close collaboration with the National Health Education, Information and Communication Center (NHEICC) and the Family Welfare Division (FWD) to strengthen social and behavior change (SBC) within Nepal. As part of its evidence-driven approach, Breakthrough ACTION conducted a desk review in 2018 of Nepal related literature of 4 health behaviors namely institutional delivery, contraceptive use, skilled birth attendance, and antenatal care-seeking.

More than 500 articles were sorted through and used to develop evidence maps to explain multilevel factors at different geographical locations in Nepal.

Breakthrough ACTION has also developed the ‘SBC Palika Package’, a prototype meant for use by municipality level health and social development section personnel. The SBC Palika Package is a job aid, a quick reference guide developed during 2018-19 in close collaboration with NHEICC, Health Section of the Ministry of Social Development (MoSD) - Karnali, Karnali Health Directorate (HD), and the Social Development Sections of 4 municipalities of *Jumla* and *Surkhet*. The SBC Palika Package was field-tested in the Karnali province within 4 municipalities of *Jumla* and *Surkhet*. This job aid will be used by NHEICC in its SBC capacity strengthening activities across Nepal and has drawn interest from other organizations and projects implementing SBC.

The Central Department of Public Health, Institute of Medicine is a constituent institution of Tribhuvan University of Nepal and has the mandate for the development of public health education, research and services in Nepal. This Letter of Understanding (LOU) provides a basis for the sustainability of the data scoping, evidence map generation, and the use of the SBC Palika package and continuation and improvement in its development and utilization in Nepal.

Deliverables 1:

Soon after the complete signing of the letter of understanding (LOU) between the Central Department of Public Health, Institute of Medicine and Breakthrough Action, Nepal in September 2020. One day basic orientation on data scoping and evidence mapping exercise to CDPH faculties and masters level students was completed. Then, data scoping working group including 8 members, which composed of 8 students from three different streams namely Masters in Public Health (MPH), Master in Health Promotion Education (MHPE) and Master in Public Health Nutrition (MPHN), 4,3 and 1 students from the respective academic track. Practical sessions on data scoping and follow up data scoping exercise was conducted on 25th September 2020.

Name of group members

S.N.	Name of the Group Member	Academic Track/Year
1.	Dr. Soniya Gurung	MPH/1 st Year
2.	Ms. Sushma Pokharel	MPH/1 st Year
3.	Ms. Sapan Panta	MPH/1 st Year
4.	Mr. Nabin Dhakal	MPH/1 st Year β
5.	Dr. Kamal Adhikari	MPHN/1 st Year
6.	Ms. Sharmila Acharya	MHPE/1 st Year
7.	Ms. Preena Lal	MHPE/2 nd Year
8.	Ms. Preeti Bhattarai	MHPE/2 nd Year

Deliverables 2: Data scoping exercise scoping excel sheet.

The data scoping working group had developed data scoping exercise excel sheet based on the socio-ecological model on Non-communicable diseases and socio-behavioral risk factors. Pubmed data based was used for the literature search. The search tool came up with 284 articles from which 91 relevant articles were extracted for scoping excel sheet. Information had summarized in different sheets in individual, household-family, community-societal and structural-policy context domains for future use and further process. Furthermore, extracted information was summarized in the data summary sheet and search terms for literature search were also included in the excel sheet (See Annex-1, Excel sheet).

Deliverables 3 Evidence map:

For convenience use extracted information, based on socio-ecological model evidence maps were prepared. Evidence maps about individual, family-household,



Data scoping and evidence map exercise sharing event at CDPH-IOM on February 14, 2020.

community-societal, health facility and structural-policy level influencing factors and location of the study and reference were included in the evidence maps (See annex 2, Evidence map ppt.). The data scoping exercise sharing program was conducted on 14 February 2020, based on developed evidence maps. There were approximately 95+ participants in the program. CDPH has planned to adapt this exercise in the academic curriculum as an instrument for teaching-learning

Others outputs and involvement in related activities:

- 1. Discussion meeting:** Facilitated on discussion meeting for continuation of Data Scoping program was conducted on 16th May 2019 among CDPH and IOM.
- 2. Data Scoping Exercise orientation:** data scoping exercise orientation program was conducted among MPH/MPHN/MHPE students on 25th September 2019. More than 30 students were benefitted from the program.
- 3. LOU signed:** on 10 September 2019, LOU was signed between CDPH and Breakthrough ACTION Nepal.
- 4. SBC Palika Package Orientation:** The SBC Palika Package orientation to graduate-level students and faculties was conducted on 13th, November 2019, about more than 30 participants received the orientation that strengthens the student's knowledge on SBC Palika Package.
- 5. Technical Sessions:** Leveraged to facilitate technical sessions for MPH students on SBC Cutting Edge/ SBC Mode on 3rd December 2019 and the session was facilitated by Pranab Rajbhandari, Chief of Party, Breakthrough ACTION Nepal project.
- 6. Received teaching learning material support:** CDPH-IOM has received teaching learning materials (a set of printer and laptop) to facilitate data scoping and evidence map exercise in November 2019.
- 7. Breakthrough Action project Evaluation:** The CDPH team was participated in project evaluation (outcome harvesting) activities with other stakeholders in the BA project on December 10th, 2019 to share about the impact of the project.



CDPH_faculty receiving teaching learning materials for data scoping exercise

1. Technical session on evidence maps:

CDPH team and consultant helped to coordinate to facilitate technical session, data scoping, evidence map generation and technical brief writing to data scoping working group on December 15 2019, which catalyzed the acceleration of the work. The session was facilitated by Zoe Hendrickson, Assistant Scientist at JHUCCP.



Zoe Hendrickson, Asst. Scientist JHUCCP facilitating technical session on data scoping, evidence map generation and writing technical brief to CDPH-IOM students on December 15, 2019.

2. SBC Palika package Capacity

strengthening training: CDPH faculties participated in the SBC palika package capacity strengthening training of province-level health professional program held on 17th December 2019 at Godavari. In the first day of training SBC capacity assessment exercise was organized and CDPH has planned to adopt this tool as a teaching learning instrument for the MHPE program.

3. SBC Palika Package dissemination program: CDPH faculty/Consult participated in the dissemination program of the Palika Package program held on 28 January 2020 at the National Health Training Centre, Teku.

4. BA-Final Dissemination meeting: CDPH faculty/Consultant participated in the dissemination meeting of the Breakthrough ACTION program on 25th February 2020.

5. Abstract submission: Contributed and guide data scoping group to submit abstract title “*A Scoping Review of Non-Communicable Diseases and their associated socio-behavioral risk factors based on Socio-ecological model*” based on data scoping excel sheet and evidence map for dissemination in wider network and use of evidence in broader arena (See annex-3, Abstract).

Annex I:



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Annex II:



02.14.2020_NCDsCD
PH_BA datascoping.p

Annex III:



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