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Competency Based LOGBOOK for

Community Medicine

for First, Second and Third Professional MBBS

As per the Revised Competency Based Medical Education Curriculum (NMC)

Aditya Pratap Singh
Saumya Singh
Mithila Dayanithi

JAYPEE

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AETCOM—Competencies for IMG-2024 as per guidelines of the National Medical Commission.

Section

1

Competency Assessment

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Explanation of Each Column in the Logbook Table*

Number of the Competency

The number of the competency addressed includes the subject initial and number (from Vol. I, II, or III of the UG curriculum), e.g., CM 1.9.

Name of Activity

Name of activity, e.g., seminar on liver or group discussion or session 1 of CPR (if the institution has numbered each activity, the number may be entered).

Date

The activity gets completed.

Attempt at Activity by Learner

Indicate if:

a. First attempt (or) only attempt
b. Repeat (R) of a previously done activity
c. Remedial activity (Re) based on the determination by the faculty

Rating

Use one of three grades:

a. Below expectations (B)
b. Meets expectations (M)
c. Exceeds expectations (E)

Decision of Faculty

a. C: Activity is completed, therefore closed and can be certified, if needed.
b. R: Activity needs to be repeated without any further intervention.
c. Re: Activity needs remedial action (usually done after repetition did not lead to satisfactory completion).

Initial (Signature) of Faculty

Initial (signature) of faculty indicating the completion or other determination.

Initial (Signature) of the Learner

Initial (signature) of the learner if feedback has been received.

* Competency tables and its contents have been designed as per the guidelines given in NMC logbook module. Kindly refer it for further clarification. Link—www.nmc.org.in

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Skill Competencies of Community Medicine

S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
1.	Concept of health and disease	Demonstrate the role of effective communication skills in health in a simulated environment. CM 1.9							
2.	Concept of health and disease	Demonstrate the important aspects of the doctor patient relationship in a simulated environment. CM 1.10							
3.	Relationship of social and behavioral to health and disease	Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior. CM 2.3							
4.	Environmental health problems	Identify and describe the identifying features and life cycles of vectors of public health importance and their control measures. CM 3.7							
5.	Principles of health promotion and education	Demonstrate and describe the steps in evaluation of health promotion and education program. CM 4.3							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	**Attempt at activity** First only (F) Repeat (R) Remedial (Re)	**Rating** Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	**Decision of faculty** Completed (C) Repeat (R) Remedial (Re)	Faculty initials	**Feedback received** Initial of learner
6.	Nutrition	Describe and demonstrate the correct method of performing a nutritional assessment of individuals, families and the community by using the appropriate method. CM 5.2							
7.	Nutrition	Plan and recommend a suitable diet for the individuals and families based on local availability of foods and economic status, etc., in a simulated environment. CM 5.4							
8.	Nutrition	Demonstrate an awareness of their own personal health and nutrition. CM 5.14							
9.	Nutrition	Demonstrate knowledge of the role of nutrition in health promotion and disease prevention. CM 5.15							
10.	Nutrition	Have knowledge of breast feeding and complementary feeding practices. CM 5.16							
11.	Nutrition	Ability to counsel mothers on breast feeding with focus on attachment to breast and correct position of the newborn. CM 5.17							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
12.	Nutrition	Ability to counsel mothers on complementary feeding using national guidelines while being sensitive of cultural and socioeconomic influences. CM 5.18							
13.	Nutrition	Assess the nutritional content of processed foods learning to understand labels, and empower patients to make informed nutritional decisions. CM 5.19							
14.	Nutrition	Counsel for diet modification for a diabetic/ hypertensive/ obese individual. CM 5.20							
15.	Nutrition	Plan and conduct a health education session on nutrition in NCD clinic/in community. CM 5.21							
16.	Nutrition	Counsel mother on breast feeding and complementary feeding. CM 5.22							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
17.	Basic statistics and its applications	Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data. CM 6.2							
18.	Basic statistics and its applications	Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various study designs. CM 6.3							
19.	Basic statistics and its applications	Enumerate, discuss and demonstrate common sampling techniques, simple statistical methods, frequency distribution, measures of central tendency and dispersion. CM 6.4							
20.	Basic statistics and its applications	Able to understand use of statistical software for the data analysis. CM 6.5							
21.	Epidemiology	Enumerate and evaluate the need of screening tests. CM 7.6							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
22.	Epidemiology	Describe and demonstrate the steps in the investigation of an epidemic of communicable disease and describe the principles of control measures. CM 7.7							
23.	Epidemiology	Describe and demonstrate the application of computers in epidemiology. CM 7.9							
24.	Epidemiology	Able to demonstrate development of research proposal. CM 7.10							
25.	Epidemiology	Able to demonstrate the skills for critically appraise the research articles or research data. CM 7.11							
26.	Epidemiology of communicable and non-communicable diseases	Educate and train health workers in disease surveillance, control and treatment and health education. CM 8.6							
27.	Demography and vital statistics	Define, calculate and interpret demographic indices including birth rate, death rate, fertility rates. CM 9.2							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
28.	Reproductive maternal and child health	Able to manage the health care services for reproductive and child care services under supervision. CM 10.10							
29.	Occupational health	Able to manage the occupational health services at factory or industry level in a simulated environment. CM 11.6							
30.	Geriatric services	Able to identify the health needs to elderly individuals at the earliest. CM 12.5							
31.	Disaster management	Able to understand the management of handling a disaster in a simulated environment. CM 13.5							
32.	Hospital waste management	Able to segregate the various hospital waste. CM 14.4							
33.	Mental health	Able to recognize the mental issues among individuals, families and communities at the earlier stages. CM 15.4							
34.	Health planning and management	Demonstrate understanding of concepts of health planning in India, various health care economics analysis. CM 16.5							

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S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Faculty initials	Feedback received Initial of learner
35.	Health care of the community	Demonstrate understanding of health system functioning in India. CM 17.6							
36.	International health	Demonstrate understanding role of various international and national agencies in health and disease with prevention of emergence and reemergence of diseases and prevention of pandemic and handling the Pandemic. CM 18.3							
37.	Essential medicine	Demonstrate understanding of mechanism of identifying and calculation of requirements of various medicines and essential medicine at primary health care. CM 19.4							

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Competencies of the Procedures for Certification

S. No.	Competency addressed	Name of the activity	Number required to certify P (Perform)	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.	Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community. CM 2.1		5						
2.	Describe the sociocultural factors, family (types), its role in health and disease and demonstrate in a simulated environment the correct assessment of socioeconomic status. CM 2.2		5						
3.	Conduct a health education session for community awareness in a simulated environment/ FAP/clinical posting. CM 4.4		1						
4.	Perform nutritional assessment of individual, family and community using appropriate method and plan a diet for health promotion based on the assessment. CM 5.9		5						

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S. No.	Competency addressed	Name of the activity	Number required to certify P (Perform)	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
5.	Recommend a dietary plan for a person with DM/ HTN/ obesity in a simulated environment/ FAP/clinical posting. CM 5.10		5						
6.	Plan a diet for an adult which meets the protein (macronutrients) requirements as per latest RDA-NIN guidelines for vegetarian/ ovo-vegetarian/ non-vegetarian. CM 5.11		5						
7.	Demonstrate different types of breastfeeding holds, latching, manual expression of breast milk using a baby model and breast model. CM 5.12		5						
8.	Counsel a mother about complementary feeding for different age groups of the child covering the eight dietary diversity food groups, quantity, frequency, consistency of the food. CM 5.13		5						

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S. No.	Competency addressed	Name of the activity	Number required to certify P (Perform)	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
9.	Perform descriptive statistics of a given dataset and interpret. CM 6.6		5						
10.	Define, calculate and interpret morbidity and mortality indicators based on given set of data. CM 7.4		5						

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Certifiable Competencies in Community Medicine

Competency CM 2.1: Describe the steps and perform clinico sociocultural and demographic assessment of the individual, family and community.

Specific Learning Objectives (SLOs):

1.

2.

3.

4.

Description of the Module:

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Competency Based LOGBOOK for Community Medicine
for First, Second and Third Professional MBBS

This logbook is designed as per the latest guidelines of logbook module 2024 shared by NMC for implementation of Competency-based Medical Curriculum and recommended to be followed for the MBBS students from the academic year 2024–2025 onward. This logbook of Community Medicine is a verified record of the progression of the learner documenting the acquisition of the requisite, knowledge, skills, attitude, and competencies. It is a tool that guides medical students by highlighting important clinical objectives promoting self-reflection, providing an opportunity to obtain feedback from preceptors, and the records can be used for formative and continuous assessment. Also, this logbook is an academic document that becomes both a snapshot of the progress of the learner as well as a prerequisite for progression to the next phase of learning or graduation from the course.

Salient Features

- Predefined skill competencies of Community Medicine given in the UG curriculum module, volume II, 2024 for recording the activities conducted in a simple tabulated format based on NMC Logbook module
- Separate sections provided for skill competencies needed for certification in the subject
- Separate empty tables provided for add-on competencies needed by the department of community medicine
- Separate sections provided for SDL, field visit, and simulation-based learning (skill laboratory) with ample space for reflective writing of the respective subjects
- Separate sections of pandemic management module and infection control practices for 2nd year and 3rd year MBBS with module and reflective writing space
- Separate sections of AETCOM for 3rd year Part I MBBS with modules and reflective writing space
- Recording of the details of assignment and assessment
- Separate sections provided for the attendance record of the students and attending extra classes for poor attendance

Aditya Pratap Singh MBBS MS (Anatomy) is Professor and Head, Department of Anatomy, United Institute of Medical Sciences, Prayagraj, Uttar Pradesh, India. He has undergone training in BCME and Advance Course in Medical Education (ACME). He is an MEU coordinator and a member of various committees at his institute. He has published several research papers in national and international journals. He is passionate about teaching and research activities, which helped him to compile this logbook.



Saumya Singh MBBS (Hons) MD (Microbiology) is Professor and Head, Infection Control Officer, and In-charge of Molecular Laboratory, Department of Microbiology, United Institute of Medical Sciences, Prayagraj, Uttar Pradesh, India. She has published a number of scientific research papers in national and international journals. She has undergone training in BCME, Advance Course in Medical Education (ACME), NABL internal auditors training course (Kolkata), and is an active member in MEU at her institute along with Curriculum In-charge for 2nd year MBBS. She is fascinated about innovative teaching and promotes research work helping her compile this logbook.



Mithila Dayanithi MBBS MD is Professor, Department of Community Medicine, Noida International Institute of Medical Sciences, Gautam Budh Nagar, Uttar Pradesh, India. She has published several research papers in national and international journals. She is a Medical Education Unit coordinator and a member of various committees in the college.



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