



INSTITUTE FOR
INTERNATIONAL
MEDICINE

INMED Professional Certificate Course in Helping Babies Breathe (HBB) Syllabus

Course Faculty:

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Learning Support:

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Overview:

Some one million newborns die each year from the inability to breathe at birth. The INMED Professional Certificate Course in Helping Babies Breathe (HBB Master Trainer Course, 2nd Edition) is an evidence-based educational program to prepare learners to teach basic neonatal resuscitation techniques in low-resource locations to benefit midwives, mid-level providers, and traditional birth attendants. In such settings, HBB also can be effectively combined with other teaching, such as management of maternal delivery and early neonatal care. Helping Babies Breathe (HBB) is an initiative of the American Academy of Pediatrics (AAP) in collaboration with the World Health Organization (WHO), US Agency for International Development (USAID), Saving Newborn Lives, and the National Institute of Child Health and Development.

Competency Objectives:

At the completion of the INMED Professional Certificate Course in Helping Babies Breathe learners will be able to:

- Identify delivery risks for mothers and newborns
- Mitigate delivery risks for mothers and newborns
- Provide for the healthcare needs of newborns at delivery, include ventilatory support when appropriate
- Transfer newborn healthcare skills to other providers

Timeframes:

This Professional Certificate Course is a hybrid experience that combines an online learning experience followed by a one-day, in-classroom event to master hands-on skills and assess achievements.

Academic Credit:

Completion of this course requirements earns one credit hour of academic credit.

Admission Requirements:

- Enrolled in a current health science degree program, including public health and health administration (or)
- Current healthcare professional, educator or administrator

Computing Requirements:

The following are the minimum computing requirements for participating this course. Students must have ready access to and be functionally proficient with:

- A personal computer with an up-to-date operating system and ample memory for downloads. A rectangular monitor (desktop or tablet) is preferable for course navigation.
- A web browser, preferably the most up-to-date version of Chrome, Internet Explorer, Firefox, or Safari
- Applications capable of opening and editing Microsoft Word documents and of viewing PDFs
- An Internet connection, preferably high speed
- Capability of viewing YouTube and Vimeo videos

Education Methods:

Learners will achieve the course competency objectives through the following educational methods:

- Interactive online learning techniques
- Interactive live presentations
- Skill stations for increasing technical proficiency
- Teaching opportunities to enhance skills transfer

Assigned Maternal-Newborn Health Lessons:

Assignments to be completed prior to the in-person classroom event:
Participate in the Maternal-Newborn Health content, Lessons 1-8, and
complete the Pre-Test and Post-Test for this content.

Learning Content:

Lesson 1	Surviving Motherhood
Lesson 2	Pre And Post Natal Care
Lesson 3	Pregnancy Complications
Lesson 4	Pressing Women's Disability Issues
Lesson 5	Newborn Care Overview
Lesson 6	Healthy Newborn
Lesson 7	Newborn Problems and Management
Lesson 8	Maternal Newborn Future Vision

In-Person Classroom Event:

8:00am	Introduction to Helping Babies Breathe
9:00	Dialogue – Causes of Neonatal Death; Intro to HBB Program
9:30	Ventilation with Bag and Mask
10:00	Preparation for a Birth
11:00	Routine Care (learning with the neonatal simulator)
12:00	Lunch
1:00pm	The Golden Minute® (clear airway and stimulate breathing)
1:30	The Golden Minute (ventilation)
2:30	Continued Ventilation with Normal and Slow Heart Rate
3:00	Participant Evaluations – Mastering the Action Plan
4:00	Evaluation of Learner Knowledge and Performance
4:30	Implementation of HBB in resource limited setting
5:00	Conclusion

*In-Person Classroom Event schedule is subject to change

Grading:

This course is graded pass/fail. Successful pass requires:

- Maternal-Newborn Health Post-Test $\geq 80\%$
- Satisfactory demonstration of all required skills
- Complete course evaluation and credit claims forms at the course conclusion.

Final Exam:

Learners will each demonstrate their skills throughout the day under supervision of the HBB faculty, who will evaluate learners using a standardized skills checkoff list. Learners must demonstrate satisfactory attainment of all required skills.

Explanation of Assignments:

Participation: Learners are required to fully participate in the course content, including interactive content, pre-test, post-test, and in-person classroom hands-on activities.

Punctuality: This is a professional level course. All assignments are expected to be submitted on time.

Professionalism Requirement: This is a learning experience for professionals. Assignments are expected to be completed with excellence.

Learners whose evaluation is acceptable will receive the *INMED Professional Certificate in Helping Babies Breathe*. Those learners whose evaluation is not acceptable will receive a certificate of participation and the opportunity to repeat.

Remediation:

If a learner does not complete this course and achieve the required competencies, the faculty may require the learner to 1) remediate the component(s) that the learner did not satisfactorily complete, or 2) repeat the entire course within one year of the start date of the original course. The learner will be offered only one opportunity to repeat the course without requiring repeat payment of tuition.

Academic Integrity:

This is a professional-level learning experience. All learners are expected to be self-motivated, to perform with excellence, and to be thoroughly honest throughout their process of learning. If any INMED faculty determines that a learner has committed academic dishonesty by plagiarism, cheating or in any other manner, the faculty member has the right to 1) fail the learner for the particular assignment, project and/or exam, 2) fail the learner for the entire course, 3) discharge the learner from any future INMED learning experience, including degree, diploma, or certificate completion.

Withdrawal and Refund Policy:

Participants will receive access to the INMED Maternal-Newborn Health Online Course, one day of supervised hands-on ultrasound skill development, and upon satisfactory participation and skill demonstration, the INMED Professional Certificate in Helping Babies Breathe. Please note that accommodations and meals are not included.

No refunds are available. Participants have the option of changing their original enrollment date to a future date. All payments made to INMED must be in US dollars. INMED reserves the right to cancel individual sessions or the entire course. In the event of a course cancellation, a full tuition refund will be made.

Course Faculty:

Winston Manimtim, MD, DIMPH

Dr. Manimtim is a neonatologist who serves as the Director of the Infant Tracheostomy and Home Ventilator Program and the Medical Director of the Neonatal Follow Up Clinics, both of which are located at Children's Mercy – Kansas City. He is a graduate of the INMED Professional Diploma in International Medicine & Public Health which is accredited by the American Council for International Healthcare Education (ACIHE).

Dr. Manimtim is a world leader in medical education through didactic, skills development, and simulation in neonatal resuscitation for low resource settings through the American Academy of Pediatrics (AAP) and INMED's Helping Babies Breathe (HBB) Program. Under his international mentorship, over 300 physicians and healthcare providers have successfully completed the HBB Master Trainer Course. These graduates in turn have each trained hundreds of local birth attendants and healthcare workers in developing nations.

Dr. Manimtim is a Professor of Pediatrics at the University of Missouri-Kansas City School of Medicine. His research focuses on chronic lung disease and its long-term respiratory and developmental outcomes, specifically those premature infants who developed severe bronchopulmonary dysplasia and dependent on mechanical ventilation at home. Dr. Manimtim has published as a first, senior, and co-author in various peer-reviewed journals and serves as a Primary and Co-Investigator on multiple studies.

In 2020, Dr. Manimtim was recognized as an Honorary Member of the Philippine Society of Newborn Medicine (PSNbM) for his dedication and commitment to providing neonatal education to his native country of the Philippines.

Paul Larson MD, MS, MBA, CPE, DTM&H, FAAFP
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Paul Larson is faculty at the UPMC St. Margaret Family Medicine Residency, Pittsburgh, Pennsylvania, where he serves as Director of Global Health Education and Medical Director of Duquesne University Health Services. In addition, Paul serves UPMC as lead consultant for WorkPartners Primary Care Initiative and UPMC International development of a residency program and clinical academic department of Family Medicine at Nazarbayev University, Kazakhstan.

Paul graduated from the University of Massachusetts Medical School and completed Family Medicine Residency at The Washington Hospital in Washington, Pennsylvania. He completed a post-graduate diploma in Tropical Medicine at the University of Liverpool, U.K and practiced full-spectrum Family Medicine in Kenya as a clinical educator and acting medical director of a district hospital. Paul returned to the USA to complete an MS in medical education at the University of Pittsburgh and a fellowship in faculty development at the University of Pittsburgh Department of Family Medicine, UPMC St. Margaret where he has been faculty for the past 10 years. Paul completed an executive MBA in Healthcare at the University of Pittsburgh Joseph M. Katz Graduate School of Business, Beta Gamma Sigma and is a Certified Physician Executive. Paul is married to Alysia and they have five active teen/preteen children. Paul volunteers as a Medical Officer for the PA Wing, Civil Air Patrol, U.S. Air Force Auxiliary.