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Erasmus+ Programme
of the European Union



Project Title: **Education Hubs for Excellence in Midwifery**

Title of the document: **SafeMa course Delivery**

Subtitle of the document: **Report**

WP/ Task/ Deliverable: **WP3/Task 3.3/ D.3.1**

Author: **HMU**





Co-funded by the
Erasmus+ Programme
of the European Union



Project Information

Project acronym: SafeMa

Project Title: Education Hubs for Excellence in Midwifery

Agreement number: 598946

EU programme: Erasmus +

Project website: safema-project.eu

Prepare by:

Name: HMU

Position: Partner

Approved on behalf of SafeMa Quality Assurance Committee

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Executive Summary

This report describes the delivery of SafeMa Course during throughout its lifespan. The course delivery was designed in such a way to combine informative lectures, online courses, along with on – site clinical practice through internship schemes. All these educational methods were used in order to further develop and enhance participant’s clinical skills and increase their experiential and collaborative learning. Based on the initial proposal the SafeMa professional course should be delivered in two periods of four-months-long seminar in each partner university. The delivery of the course should include lectures, classroom lessons, student counseling, class meetings without lecturer, study days, study visits, presentation of study products, independent study and preparation, creation of study product and the MOOC.

Nevertheless, the continuous challenges project faced since its beginning changed the description of the initial proposal. More specifically, the preparation phase (WP1), the development phase (WP2) and especially the implementation phase (WP3) were strongly affected by multiple challenges -such as the withdraw of a partner, the amendment of the coordinator, as well as the outbreak of Covid-19. Under these circumstances and taking under consideration the safety of all participants (researchers, trainers, students etc) the delivery of the courses had to adapted at the needs, challenges and the distinctiveness of each partner country and University.

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Course Delivery and Sustainability

The delivery of SafeMa Modules was designed to combine informative lectures, online courses, along with on – site clinical practice through internship schemes, aiming to improve participant’s clinical skills and increase their experiential and collaborative learning. According to the proposal the SafeMa professional courses should be delivered in two periods of four-months-long seminar in each partner university. The delivery of the courses should include lectures, classroom lessons, student counseling, class meetings without lecturer, study days, study visits, presentation of study products, independent study and preparation, creation of study product and the MOOC.

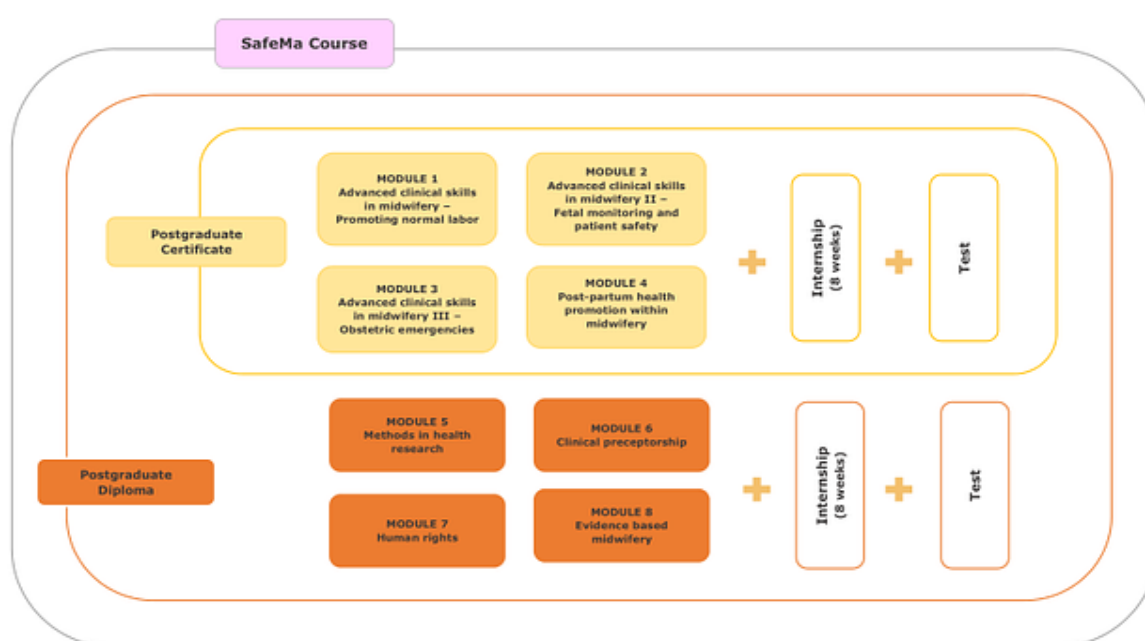


Figure 1 Initial Structure of SafeMa Course

The first phase of delivery aimed to be the pilot phase that should evaluate the theoretical and practical content of the material, the pedagogic quality of SafeMa modules as well as the resources that were used highlighting all the issues that might occur, updating them before the official launch of SafeMa course delivery.

Based on the findings of the WP1 and taking into consideration the skills shortages and the specific needs of each Asian country the modules changed since the initial proposal and were formed as they listed below:

1. Advanced clinical skills in midwifery – promoting normal labor
2. Advanced clinical skills in midwifery II – fetal monitoring and patient safety
3. Advanced clinical skills in midwifery III – Obstetrics emergencies



Figure 3 SafeMa Certificate



Figure 4 SafeMa Certification of Attendance

A well-structured evaluation procedure was developed by UCN to measure course effectiveness. The evaluation toolkit was developed based on different types of evaluation techniques such as questionnaires, interviews as well as observation in order to assess the delivery of the courses by both trainers and trainees. These deliverable analyses and presents the findings of the evaluation of SafeMa course delivery making specific recommendations of the integration of these courses in the Universities, identifying all the supporting processes for course sustainability.

Nevertheless, the continuous challenges that the project faced since its beginning changed the description of the initial proposal. More specifically, the preparation phase (WP1), the

development phase (WP2) and especially the implementation phase (WP3) were strongly affected by multiple challenges -such as the withdraw of a partner, the amendment of the coordinator, as well as the outbreak of Covid-19. Under these circumstances and taking under consideration the safety of all participants (researchers, trainers, students etc) the delivery of the courses had to adapted at the needs, challenges and the distinctiveness of each partner country and University.

Thai Nguyen University of Medicine and Pharmacy

Thai Nguyen University of Medicine implemented the delivery of the courses synchronous face to face at the premises of the University and Thai Nguyen National Hospital, as well as online through Zoom platform and Webex, and asynchronous through MOOC platform from 05/04/2021 until 06/05/2022. The delivery was separated into two rounds -Module 1 to 4 (first round) and Module 5 to 8 (second round)- each of whom was implemented in two classes per round.



During the first round, overall, 144 participants completed Module 1 to Module 4, from which 22 participants came from 22 health services and 6 provinces, while 122 came from Thai Nguyen province. During the second round of implementation -Module 5 to Module 8- 43 students participated and completed the modules successfully. From the participant students, midwives and nurses were working at different levels of health provision (primary health care, district, or provisional hospital).



According to the evaluation of the students, several challenges were identified. First, participants from the rural areas had to travel a long distance to attend the courses at the university premises, a trip that for the Cambodian local rural community is quite expensive, since the GDP per capita in Cambodia is quite low (indicative the GDP per Capita in 2022 is 1,771.38 US dollars). Another challenge was identified at the consequences of Covid-19 since many students



faced difficulties regarding their participation at the classes and the course was lasted longer. Last, due to bureaucratic procedures of the university and the challenges of the pandemic, TNU did not manage to buy the equipment and therefore the lack of models for practicing in SafeMa Hubs, were identified. In order to surpass this challenge, the teachers and trainers of TNU used videos and photos to help students visualize the practical exercises. Nevertheless, TNU signed an MoU with HMU University to sustain the SafeMa Course and use their SafeMa Hub for the practical part of the course.

Whereas TNU did not manage to purchase the equipment the delivery of the courses was quite successful. It is a great success for the TNU that there were only 2 students that dropped out at the first round of the second phase of the internship, while all students that were interested at the project, they were trained at the SafeMa course and participates at the two internship schemes. More specifically, 144 students complete successfully they Module 1 to 4 and award a Postgraduate Certificate, while 43 complete successfully Modules 5 to 8 and award a Postgraduate Certificate. Throughout the evaluation implemented all students were very satisfied with the content of the material, the exercises and the articles that they had to read. Furthermore, all participants were very satisfied with the internship schemes that they have attend, especially with the skills that they acquired. It is significant that TNU achieved such a high local impact with special focus at the rural area, since all of them were coming from rural, disadvantage and mountainous areas from the North of Vietnam.

Hanoi Medical University

Hanoi Medical University delivered SafeMa Course during the last year of project's implementation from 22/11/2021 to 10/11/2022, divided into two phases. In phase I the Modules 1 to 4 were delivered from 22/11/2021 until 18/3/2022, while in phase II the Modules 5 to 8 delivered from 26/4/2022 until 10/11/2022. Overall, 35 students attend the courses and 29 implemented the internship schemes, successfully. The delivery of the course was implemented online (through Zoom platform) and on site at Tôn Thất Tùng, Kim Liên, Đống Đa, Hà Nội 116001, Vietnam



The assessment of the students was designed upon theory and practice (one theory exam per one module: final exam, practice: end-of-term assessment with a care plan combined with practical skills assessment).

Photo 1 Trainers and Educators

| Họ và tên | Đơn vị công tác |
|--------------------|----------------------|
| Lưu Tuyết Minh | Đại học Y Hà Nội |
| Vũ Thị Hương | Đại học Y Hà Nội |
| Nguyễn Cảnh Chương | Bệnh viện Phụ sản HN |
| Phạm Thị Vạn Xuân | Bệnh viện Bạch Mai |
| Dương Thùy Linh | Đại học Y Hà Nội |
| Hoàng Phương Anh | Đại học Y Hà Nội |

The implementation of SafeMa course by HMU was strongly affected by the pandemic, since the university had more students from the health sciences (medicine, nursing) and they were in the front line to support the healthcare system of Vietnam in the fight with the pandemic. Therefore, while in the beginning 76 people were interested at the SafeMa course, eventually 35 applied and enrolled at the courses, from which 4 were dropped out. By the end of the course 29 Postgraduate Certifications were awarded and multiple Certifications of Attendance. The internship of the students was implemented at the premises of Hanoi Obstetrics and Gynecology Hospital, as well as at the Bach Mai Hospital (Obstetrics and Gynecology Dept). During the internship Clinical instructors guide students to practice skills in caring for pregnant women, mothers, and newborns in departments of practical hospitals. After the end of the internship, students were required to send an assignment of practicing one skill to their lecturers for internship assessment. It is of significant importance to that due to bureaucratic issues, administrative delays and the restrictions to shipping services the equipment arrived at Hanoi University at the end of Octobers, and the partner organized a training workshop for the students in order to use the equipment at 8th – 9th and 10th of November 2022.

Photo 2 HMU Internship



Photo 3 HMU Participants List

| TRƯỜNG ĐẠI HỌC Y HÀ NỘI KHOA ĐIỀU DƯỠNG - HỘ SINH | | DANH SÁCH HỌC VIÊN VÀ ĐIỂM THI | | | | | | | |
|--|-----------------------|-----------------------------------|----------------------------------|----------------------|--|----------------------|----------------------|-------------------------|--|
| 1. Tên khóa học: Khóa học ToT Hộ sinh nâng cao | | | | | | | | | |
| 2. Số lượng học viên: 31 | | | | | | | | | |
| 3. Thời gian: Từ ngày 22/11/2021 đến ngày 18/3/2022 | | | | | | | | | |
| TT | Họ và tên | Đơn vị công tác | Email | Điểm thi Module 1 | Điểm thi Module 2 | Điểm thi Module 3 | Điểm thi Module 4 | Ghi chú | |
| 1 | Trương Thị Mỹ Hà | Bệnh viện Phụ Sản Hà Nội | myha2606@gmail.com | 5,6 | 8,2 | 5 | 7,4 | | |
| 2 | Nguyễn Thị Xuân Hương | Bệnh viện Phụ Sản Hà Nội | huongntxpsnh@gmail.com | 6 | 8 | 6 | 7,2 | | |
| 3 | Phạm Thị Tuyết Chinh | Bệnh viện Phụ Sản Hà Nội | phamtuyetchinh66@gmail.com | 5,4 | 7 | 6 | 7,6 | | |
| 4 | Ngô Thị Lam Lương | Bệnh viện Phụ Sản Hà Nội | Luonga31975@gmail.com | 6,8 | 7,2 | 6,2 | 7,2 | | |
| 5 | Hoàng Thị Liên | Bệnh viện Phụ Sản Hà Nội | hoangthilien4@gmail.com | 7,6 | 9,4 | 6,2 | 6,8 | | |
| 6 | Đỗ Thị Thủy | Bệnh viện Phụ Sản Hà Nội | dothuytit@gmail.com | 6,2 | 7,2 | 5,4 | 7,8 | | |
| 7 | Trần Thị Thủy Linh | Bệnh viện Phụ Sản Hà Nội | linhphusanhanoi@gmail.com | 6,4 | 9 | 5,2 | 8 | | |
| 8 | Bùi Thị Huệ | Bệnh viện Phụ Sản Hà Nội | buihue221182@gmail.com | 5,2 | 8,8 | 6,4 | 5 | | |
| 9 | Vũ Phương Thảo | Bệnh viện Phụ Sản Hà Nội | phuongthaovu.83@gmail.com | 6,6 | 7 | 5,4 | 7 | | |
| 10 | Vũ Thị Kim Dung | Bệnh viện Phụ Sản Hà Nội | buitramy98@gmail.com | 6,8 | 7,6 | 6,4 | 6,8 | | |
| 11 | Nguyễn Thị Hợp | Bệnh viện Phụ Sản Hà Nội | koakham@hogh.vn | 6 | 8 | 6 | 6 | | |
| 12 | Nguyễn Bích Phương | Bệnh viện Phụ Sản Hà Nội | phuongnbhsc@gmail.com | 5,2 | 7 | 6,2 | 8 | | |
| 13 | Nguyễn Thu Thủy | Bệnh viện Phụ Sản Hà Nội | Thuyt1209@gmail.com | 5,6 | 6,2 | 5,4 | 7,2 | | |
| 14 | Đỗ Thị Hồng Hoa | Bệnh viện Phụ Sản Hà Nội | dohonghoa83@gmail.com | 6 | 6,8 | 6 | 8 | | |
| 15 | Nguyễn Thị Minh Hòa | Bệnh viện Phụ Sản Hà Nội | minhhua19692016@gmail.com | 6,2 | 8,2 | 6 | 8,4 | | |
| 16 | Nguyễn Thị Ngọc Lan | Bệnh viện Phụ Sản Hà Nội | hateshinaiyami20082007@gmail.com | 7,6 | 8,6 | 6,4 | 8,4 | | |
| 17 | Quần Thị Thanh Thủy | Bệnh viện Phụ Sản Hà Nội | Thanhthuy281984@gmail.com | 5,6 | 6,8 | 6,2 | 7,6 | | |
| 18 | Nguyễn Thu Hương | Bệnh viện Phụ Sản Hà Nội | lnhgiang2007@gmail.com | 7,8 | 7,4 | 6,4 | 7,4 | | |
| 19 | Nguyễn Thị Thu Thanh | Bệnh viện Phụ Sản Hà Nội | thanhspsnh@gmail.com | 5,6 | 8 | 5 | 7,8 | | |
| 20 | Đỗ Như Huyền | Bệnh viện Phụ Sản Hà Nội | donhuhuyen@gmail.com | 5,4 | 7 | 6,2 | 7,4 | | |
| 21 | Trần Thị Tú Anh | Bệnh viện Phụ Sản Trung Ương | tranthituanh2003@gmail.com | 6,8 | 7 | 6,8 | 7 | | |
| 22 | Nguyễn Văn Anh | Bệnh viện Phụ Sản Trung Ương | Beananh09@gmail.com | 7,8 | 8,8 | 6 | 7,4 | | |
| 23 | Phó Thị Quỳnh Châu | Bệnh viện Phụ Sản Trung Ương | ptquynhchau73@gmail.com | 6,2 | 6,6 | 6,2 | 8 | | |
| 24 | Ngô Thị Minh Hà | Bệnh viện Phụ Sản Trung Ương | thaiviet22175@gmail.com | 5 | 6,4 | 5 | 5 | | |
| 25 | Phan Thị Hường | Bệnh viện Phụ Sản Trung Ương | huongsanc@gmail.com | 6,4 | 6,4 | 5,2 | 7,2 | | |
| 26 | Nguyễn Thị Kiều Ngân | Bệnh viện Phụ Sản Trung Ương | nguyenkieungannhog@gmail.com | 6,8 | 6,4 | 5,2 | 6,6 | | |
| 27 | Nguyễn Thị Thanh Tâm | Bệnh viện Phụ Sản Trung Ương | thanhtampstw@gmail.com | 5,8 | --- | --- | --- | Không học Module 2-4 | |
| 28 | Lê Thị Thái Vân | Bệnh viện Phụ Sản Trung Ương | thaivan91@gmail.com | 6,6 | --- | --- | --- | Không học Module 2-4 | |
| 29 | Phạm Thị Thu Thủy | Khoa Phụ Sản - Bệnh viện Bạch Mai | thuthuypham73@yahoo.com | 6,8 | 8 | 5,8 | 8,4 | | |
| 30 | Hà Thị Bích | Khoa Phụ Sản - Bệnh viện Bạch Mai | habich2710@gmail.com | 7 | 8,4 | 6,8 | 7,4 | | |
| 31 | Vũ Thị Lệ Mỹ | Khoa Phụ Sản - Bệnh viện Bạch Mai | tuan.lemly@gmail.com | 6,6 | 7,8 | 7,4 | 8,8 | | |
| Thư ký (Ký, ghi rõ họ tên) | | | | | Hà Nội, ngày tháng năm 2022 | | | | |
| | | | | | PHÓ TRƯỞNG (Ký, ghi rõ họ tên) | | | | |
| Dương Thùy Linh | | | | | Nguyễn T Lan Anh | | | | |

During phase I the evaluation of the students and the trainers was implemented according to the evaluation toolkit developed by UCN in the form of hardcopy questionnaire. Overall, more the 90% of the students were very satisfied with the academic content, the pedagogic quality of the material, as well as the quality of delivery. The curriculum updates knowledge and skills from classics to modern ones, prompting curiosity and self-expression, expressing self-worth and thereby shaping the industry. Nevertheless, the students were coming in touch for the very first time with the approaches and methods and needed more time. Furthermore, the fact that the course took place during the pandemic period, was a strong disadvantage since healthcare providers had focused on the containment of the epidemic and therefore the course did not attract a lot of participants. According to the evaluation of trainers and trainees the reformation of SafeMa study schedule to better suit working people would be an important change that could

encourage the participation of more healthcare providers, nurses and midwives in the SafeMa course and would sustain it during the time.

According to the evaluation of the second phase over 90% of the students were satisfied with the internship and the development of their practical skills in the hospital, however almost all participants agreed that the internship should last longer. Upon this ground they also agreed that the introduction of SafeMa course to midwives at different hospitals all over Vietnam and well as more health centers in the rural areas would be of vital importance in order to sustain the project, along with the development of synergies with them in order to incorporate in their schedule the internship schemes of SafeMa project.



Nam Dinh University of Nursing

NDUN delivered SafeMa course from 17/5/2021 until 07/10/2022. The delivery of the course was separated in two Phases (Phase I Modules 1 to 4 and Phase II Modules 5 to 8) from 17/5/2021 to 09/7/2021 and 08/09/2022 to 07/10/2022 respectively. Overall, 72 students attended the courses (46 for Phase I and 27 from Phase II) from which at least 30 people were coming from rural areas of Vietnam. The assessment of the students was based on for the assessment of the student's theory and practice was used (one theory exam per one module: final exam, practice: end-of-term assessment with a care plan combined with practical skills assessment).



Photo 4 Transcript of Tests (Module 4)

ĐỀ KIỂM TRA

MODUNLE 4: TĂNG CƯỜNG SỨC KHỎE SAU SINH

Câu 1. Đối với sản phụ sau đẻ can thiệp, thời gian để phục hồi chức năng là (1 điểm)

A. Ngay sau đẻ
B. Tuần đầu sau đẻ
C. Từ 2 -3 tuần sau đẻ
D. Từ 4-5 tuần sau đẻ

Câu 2. Đối với sản phụ mổ lấy thai, thời gian để phục hồi chức năng sau đẻ là (1 điểm)

A. Từ 3-4 tuần sau mổ
B. Từ 4 - 5 tuần sau mổ
C. Từ 6 - 7 tuần sau mổ
D. Sau mổ 8 tuần

Câu 3. Phương pháp vật lý trị liệu cho sản phụ sau sinh, được áp dụng trong trường hợp nào sau đây (1 điểm)

A. Tiểu không tự chủ, Cảm giác sản chậu nặng và yếu, Rối loạn tiểu hoặc đại tiện, Đau hoặc khô ẩm đạo khi quan hệ, Đau lưng hoặc khung chậu, Khó kiểm soát hoặc yếu cơ
B. Băng huyết sau sinh, Tiểu không tự chủ, Cảm giác sản chậu nặng và yếu,
C. Rối loạn đại tiểu tiện, Nhiễm khuẩn, Phù, Tăng huyết áp
D. Đau lưng hoặc khung chậu, Khó kiểm soát hoặc yếu cơ, Áp xe vú, nhiễm khuẩn tử cung

Câu 4. Bà mẹ cần phục hồi chức năng sau đẻ khi xuất hiện các triệu chứng nào dưới đây (1 điểm)

A. Đau khung sản chậu, đau lưng hoặc cổ, đau thần kinh tọa, đau khớp, mệt mỏi nhiều, rối loạn tâm trạng
B. Mệt mỏi, hoa mắt chóng mặt, đau lưng
C. Đau khớp háng, đau bụng do co bóp tử cung, huyết áp tăng
D. Đau vùng thắt lưng, viêm tắc tuyến sữa,

Câu 5. Quá trình phục hồi chức năng cho bà mẹ sau sinh, có thể ngăn ngừa được một số biến chứng (1 điểm)

A. Đau cột sống, khung chậu, giảm nguy cơ són tiểu hoặc sa tử cung
B. Đau mối vai gáy, viêm thận, sa tử cung
C. Đau vùng thắt lưng, giảm nguy cơ nhiễm khuẩn
D. Đau thần kinh tọa, tăng huyết áp, sa tử cung

Câu 6. Sản phụ mổ lấy thai, sau khi trở về nhà từ bệnh viện, người mẹ cần được (1 điểm)

It is of vital importance to highlight that the NDUN had a great success at the impact on the local level. There were 92 students inquiring about the course, who applied for the course, enrolled and complete it. From them 46 have been awarded with a postgraduate certification and other 46 certification of attendance.

Photo 5 Lits of Participants

| DANH SÁCH HỌC VIÊN HOÀN THÀNH KHÓA ĐÀO TẠO LIÊN TỤC | | | | |
|--|------------------|-----------|------------|-------------------------------|
| VỀ "TĂNG CƯỜNG SỨC KHỎE SAU SINH" | | | | |
| Kèm theo Quyết định số 2655/QĐ-ĐDNN ngày 18 tháng 11 năm 2021 của Hiệu trưởng trường Đại học Dược Nam Định | | | | |
| STT | Họ và tên | Ngày sinh | Nơi sinh | Chức vụ |
| 1 | Trần Thị Phương | Anh | 15/07/1989 | TTTT quân Hà Bà Trưng, Hà Nội |
| 2 | Phạm Văn | Anh | 16/05/1997 | BV Phụ sản Trung ương |
| 3 | Đoàn Thị Vân | Anh | 15/11/1985 | BV Phụ sản Hà Nội |
| 4 | Lê Thị Phương | Anh | 19/11/1983 | BVĐK Thanh Trì, Hà Nội |
| 5 | Phạm Linh | Chi | 01/03/1997 | BV Phụ sản Trung ương |
| 6 | Trần Thị | Đuân | 12/09/1982 | BV Phụ sản Hà Nội |
| 7 | Nguyễn Thị | Đương | 18/08/1994 | BV Phụ sản Trung ương |
| 8 | Đàm Thủy | Đương | 17/06/1988 | BV Phụ sản Hà Nội |
| 9 | Nguyễn Tuệ | Giảng | 30/08/1997 | BV Phụ sản Trung ương |
| 10 | Lê Thị | Giảng | 25/08/1987 | BV Phụ sản Hà Nội |
| 11 | Trương Thị Thủy | Hằng | 26/06/1985 | BV Phụ sản Trung ương |
| 12 | Nguyễn Thị Minh | Hằng | 02/03/1994 | BV 108 |
| 13 | Phạm Thị Thủy | Hằng | 17/06/1992 | BV Phụ sản Hà Nội |
| 14 | Trần Thị Minh | Huyền | 01/02/1987 | BV Phụ sản Hà Nội |
| 15 | Trần Thị | Huyền | 25/11/1986 | BV Sản Nhi Hưng Yên |
| 16 | Phạm Hồng | Huyền | 31/12/1983 | BV ĐK Thương Tín, Hà Nội |
| 17 | Hà Ngọc Nữ | Huyền | 18/08/1993 | BV Vinmec Times City |
| 18 | Nguyễn Thị Thanh | Huyền | 24/07/1988 | TTTT quân Hoàn Kiếm |
| 19 | Đỗ Thị Thu | Huyền | 05/05/1983 | TTTT thị xã Sơn Tây, Hà Nội |
| 20 | Phạm Thị | Lân | 06/10/1984 | BVĐK Đông Anh, Hà Nội |
| 21 | Đỗ Thị | Mai | 16/09/1996 | BV Phụ sản Hà Nội |
| 22 | Lê Thị | Nà | 05/02/1989 | BVĐK quốc tế Vinmec |
| 23 | Phạm Quỳnh | Nga | 12/04/1992 | BV Phụ sản Trung ương |
| 24 | Nguyễn Thị | Nga | 13/10/1985 | BV Phụ sản HN |
| 25 | Lê Thị | Nga | 20/08/1987 | Hà Nội |
| 26 | Nguyễn Thị | Nhan | 20/02/1983 | TTTT quân Thanh Xuân, Hà Nội |
| 27 | Trần Thị | Nhung | 28/12/1989 | BVĐK quốc tế Vinmec |
| 28 | Nguyễn Thị | Quỳnh | 24/08/1987 | BVĐK Đông Anh, Hà Nội |
| 29 | Nguyễn Thị | Phượng | 02/07/1981 | BV Phụ sản Hà Nội |
| 30 | Phạm Thị | Phượng | 11/09/1987 | BV Phụ sản Hà Nội |
| 31 | Nguyễn Thị | Phượng | 17/12/1994 | BVĐK quốc tế Thủ Đức |
| 32 | Lương Thị Phương | Thanh | 01/01/1984 | BVĐK Đông Anh, Hà Nội |
| 33 | Hồng Thị Thu | Thảo | 08/05/1993 | BV Phụ sản Hà Nội |
| 34 | Phạm Thị | Thu | 22/08/1994 | BV Vinmec Times City |

The evaluation of the trainers and the trainees was implemented according to the evaluation toolkit developed by UCN. From the proposed methods NDUN choose to evaluate SafeMa

Modules through three focus groups. Overall, all participants were very satisfied with the academic content, the pedagogical quality, and the organization of trainings. They found very interesting the new topics and approaches, but they wanted more reading material and exercises in order to better understand them. They suggested that annual enrolments and the integration of SafeMa Course as a Master Programm at University level will be of vital importance in order to sustain the material and integrate Advance Midwifery as a separated educational field. After completing internship students were required to send a video of practicing one skill to their lecturers for internship assessment. According to the evaluation of the students the internship was very helpful and encouraged them to develop the theoretical skills that they acquired at the training into practical. Introduce SafeMa courses to midwives at rural areas that are working in the private and the public sector as well as midwives that do not have an academic degree or technical certification.



International University

SafeMa course delivered by International University during the last year of project's implementation and more specifically from 18/12/2021 until 13/11/2022. The delivery was divided into two rounds. The first round (Module 1 to Module 8) was delivered from 18/12/2021 until 22/5/2022, in which overall 38 students participated. These students were assigned to Sen Sok International University Hospital and Samrong Health Center to implement their internship scheme from 22/3/2022 until 22/5/2022.

The second round of course delivery was implemented from 11/6/2022 until the 13/11/2022 (Module 5 to Module 8) in which 61 students participated. These students did their internship at Sen Sok International University Hospital and Kompong Svay Health Center from 13/9/2022 until 13 November 2022. In the internship participated 61 students the majority of whom (52 students) were coming from the rural areas of Cambodia.



The implementation of SafeMa Course by International University was strongly affected by the pandemic. Initially 60 students were interested in the modules 1 to 4, and 80 students for the Modules 5 – 8. From them 55 have applied for Modules 1 to 4 and 75 for Modules 5 to 8; 46

enrolled for Module 1 to 4 and 65 for Module 5 to 8. From the participants, 31 receives Postgraduate Diploma, 28 Postgraduate Certificate and 20 Certificates of attendance.

Photo 6 List of Participants

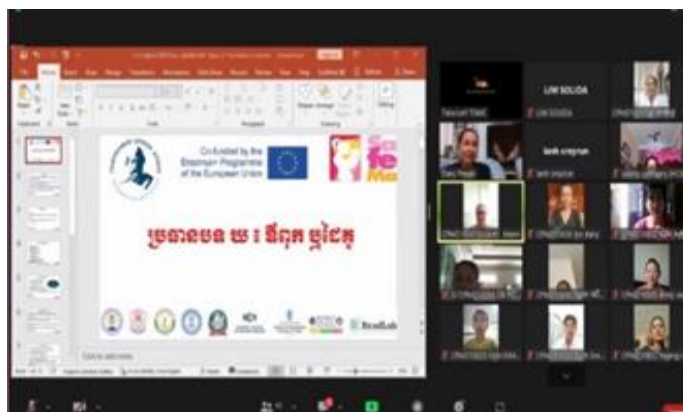
| បញ្ជីឈ្មោះសិក្ខាកាមវគ្គសិក្សាសេហ្វម៉ា រៀន SafeMa Course's Trainee List (Round 1) | | | | | | |
|--|------------------|---------------------|-----|---------|---------------|--------------------------------|
| No | Full Name | Latin Name | Sex | Skill | Tel | Email |
| 1 | ជីក ស្រីលោក | Choek Sreyneth | F | Midwife | 096 282 31 65 | sreynethcheak@gmail.com |
| 2 | ឆេង សុខា | Chheng Sokha | F | Midwife | 089 543 376 | sokhachheng53@gmail.com |
| 3 | ហុង គីមគង់ | Hong kinkong | F | Midwife | 089 673 088 | hongkimkong176@gmail.com |
| 4 | សៀន គន្ធា | Sean Kunthea | F | Midwife | 015 258 952 | kuntheasean66@gmail.com |
| 5 | ឈឿង ចាន់សេរីរត្ន | Chhieng Chanerirath | F | Midwife | 069 54 54 66 | chhiengchanerirath@gmail.com |
| 6 | ឈាង ចាន់ឡេង | Chheang Channoeun | F | Midwife | 096 943 88 12 | channoeun.chheang@gmail.com |
| 7 | ទៀប លីណា | Tiep Lina | F | Midwife | 067 989 975 | linatiep@gmail.com |
| 8 | ហេង សុភាព | Heng Sopheap | F | Midwife | 061 288 682 | sopheapeng16@gmail.com |
| 9 | ទាវ ធីតា | Teav Thida | F | Midwife | 069 781 988 | teavthida13@gmail.com |
| 10 | ស្វា សុចាតី | Chour Socheat | F | Midwife | 077 974 267 | socheatchour67@gmail.com |
| 11 | ថុក ចន្ទីលាភ | Thuk Chanleap | F | Midwife | 089 294 598 | |
| 12 | ស្វង សុកន្ទា | Suong Sokunthea | F | Midwife | 069 292 696 | unchheavsokunthea@gmail.com |
| 13 | លី វ៉នាថ | Ly Voneath | F | Midwife | 070 239 304 | lyvoneaths@gmail.com |
| 14 | ជីម សុខវ៉ាន់ | Chim Sokvann | F | Midwife | 070 429 257 | sowannchim@gmail.com |
| 15 | អុង សៃម៉ៅ | Ung Saimao | F | Midwife | 099 664 820 | saimao_ung@yahoo.com |
| 16 | ស៊ីន ធីតា | Soun Thyda | F | Midwife | 016 640 604 | thyda.soun@yahoo.com |
| 17 | មីន វឌ្ឍណា | Min Vadthna | F | Midwife | 011 647 950 | minvadthna7@gmail.com |
| 18 | ជិត សំរីង | Chit Sam Eung | F | Midwife | 017 416 167 | chit.sameung82@gmail.com |
| 19 | ឡាង សុចាតី | Long Socheat | F | Midwife | 096 368 32 67 | socheatlong8@gmail.com |
| 20 | ស៊ីន ម៉ារីយ៉ា | Sorn Mariya | F | Midwife | 070 772 659 | mariyasorn937@gmail.com |
| 21 | ស៊ីន ម៉ាសាក់ | Soun Maseak | F | Midwife | 017 269 126 | maseaksoun945@gmail.com |
| 22 | យ៉ន ចាន់ឌី | Yorn Chandy | F | Midwife | 099 459 091 | yornchandy1@gmail.com |
| 23 | លួន គីមនន | Luon Kimnaun | F | Midwife | 089 946 163 | luonkimnaun2021@gmail.com |
| 24 | ឡេង កាណារីន | Leng Kanarin | F | Doctor | 015 518 898 | leng.kanarin@gmail.com |
| 25 | សៅ ស្រីកា | Sao Sreyka | F | Midwife | 093 566 589 | saosreyka93@gmail.com |
| 26 | ស្រង ស្រីនីច | Sreng Sreynich | F | Midwife | 099 997 965 | srengsreynich1995@gmail.com |
| 27 | លឿង ស្រីរត្ន | Loeum sreyrath | F | Midwife | 086 656 508 | sreyrathloeum99@gmail.com |
| 28 | ង៉ែក ថាវី | Nget Thavy | F | Midwife | 092 967 417 | thavynggetthavyngget@gmail.com |
| 29 | សារ៉េន បូរ៉េត | Saroern Boreth | F | Midwife | 099 582 252 | bsaroern@yahoo.com |
| 30 | ជួន សុខឡេន | Chuon Sokhoeun | F | Midwife | 061 901 797 | chuonsokhoeun63@gmail.com |
| 31 | ហៅ សុម៉ាលីន | Pou Somalin | F | Doctor | 086 517 669 | pou.somalin@gmail.com |
| 32 | អ៊ិត រ៉ត្នា | Ith Rothana | F | Midwife | 093 547 535 | lthrothana90@gmail.com |
| 33 | កែវ សុកន្ទារី | Keo Sokuntheary | F | Midwife | 096 338 82 34 | thearyea88@gmail.com |
| 34 | ឡឿន ហ៊ឹម | Noeun Him | F | Midwife | 061 839 745 | noeunhim168@gmail.com |
| 35 | លឿង កញ្ញា | Loeung Kanha | F | Midwife | 015 707 474 | loeungkanha.kpc@gmail.com |
| 36 | ហ៊ុន ទេវី | Hun Tevy | F | Midwife | 092 308 345 | tevyhun6@gmail.com |
| 37 | សុវណ្ណ ពិសិ | Sovann Pisey | F | Midwife | 089 637 882 | pisey88sovann@gmail.com |
| 38 | សេងសក្កណា | Seng Sakana | F | Midwife | 092 553 390 | Sengsakana2022@gmail.com |
| 39 | ខុន សុខឡេន | Khon Sokhoeun | F | Midwife | 095 904 338 | khonsokhoeun01@gmail.com |
| 40 | សៃ សូវៀត | Sai Soviet | F | Midwife | 089 226 112 | saisoviet1988@gmail.com |
| 41 | ឡាង ជ័ព្វ | Laing Chompou | F | Midwife | 012 815 192 | |
| 42 | អ៊ុយ សុភាវី | Uy Sopheavy | F | Midwife | 089 812 688 | uysopheavy1993@gmail.com |
| 43 | ញ៉ែម ម៉ាលី | Nhem Maly | F | Midwife | 095 294 982 | nhemmaly99@gmail.com |
| 44 | អុង អុង | Ngov Oun | F | Midwife | 088 388 68 84 | oungov1@gmail.com |
| 45 | សេន សោនម៉ាលីរ៉ូត | Senson Malisrout | F | Midwife | 097 854 38 54 | senonmalisrout@gmail.com |
| 46 | គង់ សុនី | Kong Sony | F | Midwife | 016 675 236 | kongsony575@gmail.com |

In both rounds the assessment of the modules was based on theory and practice (one theory exam per one module: final exam, practice: end-of-term assessment with a care plan combined with practical skills assessment). After the completion of the exam's students had to complete

their evaluation forms. According to the evaluations students were very satisfied with the content of the material and the pedagogical approaches, as well as with the content of the internships.

University of Health Science

In Cambodia, the University of Health Science implemented the SafeMa Course into two rounds. It is important to highlight that the accreditation of SafeMa course was at Ministry level, which strongly recommend reducing the timeframe of the course, and therefore the implementation period for UHS was significantly shorter. More specifically the first round of delivery (Module 1 to Module 4) was implemented from 11/07/2022 until 20/08/2022, in which 42 students were joined successfully. The second round (Module 5 to 8) was implemented from 22/8/2022 to 08/10/2022, with 41 midwifery students participated and complete the second round with success.



While in the beginning 108 students were interested at the project, eventually 42 were enrolled for the course and 41 were awarded with a Postgraduate Diploma. From these students, the 38 were coming from rural areas, and more specifically from 14 Provinces (Battambang, Kampong Speu, Kampong Chhnang, Siem Reap, Svay Rieng, Kampong Thom, Kampong Cham, Takeo, Kandal, Kratie, Prey Veng, Kampot, Banteay Meanchey, Pailin).

The theory classes were implemented online for the students, in which the lectures and the trainers used group discussion, self – reflection, and sub-groups QA sessions in break out room in





the Zoom platform. During the simulation exercises, teachers used case scenario. Firstly, they explain to the students the scenario in detail and then they have to adjust the acquired knowledge from theory into the role game that they played (one student as midwifery and the other as woman). After the role play game, the instructor prepared the debriefing of case scenario. During the internship all students were at the hospital, guided by

their instructors (from university) and preceptors (from hospital) for 8 hours per day during 2 weeks in the national hospitals.

Photo 7 Participants List

Kingdom of Cambodia
Nation Religion King



 Co-funded by the
Erasmus+ Programme
of the European Union

University of Health Sciences
Technical School for Medical Care

បញ្ជីចំណុចប្រឡងអនុវត្តសិក្សាបច្ចេកវិទ្យាបណ្ណាល័យស្តីពីការអនុវត្តដំណើរការ
បង្កើតគុណតម្លៃប មុនស្តី ៥ ដល់ ៨ ឆ្នាំសិក្សា ២០២១-២០២២

Attendee List Students SaleMa Course Phase 2 for Practice Exam Modules 5-8 Year 2021-2022


| No | ID | ឈ្មោះ ឈ្មោះ | Name | Signature | | | | Others |
|----|-----------|-----------------------|------------------------|-----------|---------|---------|---------|--------|
| | | | | Module5 | Module6 | Module7 | Module8 | |
| 1 | CPM210001 | លោកស្រី. ហ៊ុន សុវណ្ណ | Mrs. MANH SOVANN | | | | | |
| 2 | CPM210002 | លោកស្រី. ស៊ុយ សុវណ្ណ | Mrs. SUY SOVANN | | | | | |
| 3 | CPM210003 | កញ្ញា. នៅ ច័ន្ទី | Miss. NOV CHANPHEAK | | | | | |
| 4 | CPM210004 | លោកស្រី. ឡាញ ស្រីរុន | Mrs. LANH SREYRUN | | | | | |
| 5 | CPM210005 | លោកស្រី. គង្គី គីមលី | Mrs. SEA KIMLY | | | | | |
| 6 | CPM210006 | លោកស្រី. គីម សុភ័យស័ក | Mrs. CHHOEM SOKUNTHIDA | | | | | |
| 7 | CPM210007 | កញ្ញា. រតន គង់ថា | Miss. PECH KONGCHEA | | | | | |
| 8 | CPM210008 | លោកស្រី. ធាន ប៉ុម | Mrs. OK POM | | | | | |
| 9 | CPM210010 | លោកស្រី. ប៊ូ ចាន់ថុ | Mrs. BOU CHANTHOU | | | | | |
| 10 | CPM210011 | លោកស្រី. ប៊ូ ស្រីមុំ | Mrs. MY SREY MOM | | | | | |
| 11 | CPM210012 | កញ្ញា. ហ៊ុន ស្រីណាយ | Miss. HEANG SREYNOY | | | | | |
| 12 | CPM210013 | លោកស្រី. ឈឹក សុភក្តិ | Mrs. CHHIT SOKA | | | | | |
| 13 | CPM210014 | កញ្ញា. ផន ស្រីទី | Miss. PHORN SREYTY | | | | | |
| 14 | CPM210015 | លោកស្រី. ណាង យុត្តារី | Mrs. LEANG YUTHEARY | | | | | |
| 15 | CPM210016 | កញ្ញា. ម៉ូលី យ៉ាឡាស | Miss. MOUSOUR YAMILASH | | | | | |
| 16 | CPM210017 | លោកស្រី. ស៊ីង ស្រីរេច | Mrs. SOENG SREY PECH | | | | | |
| 17 | CPM210019 | កញ្ញា. ឈន់ ស៊ីម៉ុង | Miss. CHHOUNG SINOUN | | | | | |
| 18 | CPM210020 | លោកស្រី. បុច ស្រីមុច | Mrs. BUCH SREY TOUCH | | | | | |
| 19 | CPM210021 | កញ្ញា. ស៊ីង សុច្ឆា | Miss. SUONG SOCHEATA | | | | | |

Scanned with CamScanner

For the assessment of the students, in the round 1, each student need to finished theory class successfully with full attendant in class. UHS developed the link with inserted MCQ questionnaires to evaluate the students in module 1-4 = 120 MCQ then randomizing for 60 MCQ (the final exam) then sending that link to each student. For the minimum score passing is 50%. For the round 2 UHS ran the same ways which developed from module 5-8. For the simulation class, in the round 1, each student needed to finish simulation class successfully with full attendant. Teachers evaluated students at the end of simulation/class practice by using

checklist tool through the demonstration of the technic by student as a role play with using critical thinking. For the research class UHS evaluated the students in library with computers accessed internet. Regarding the internship learning, each student need to finish successfully for 01 week in round 1 and 01 week in round 2 in the hospital with full attendant and students got evaluation from preceptors in the hospital based on attendant and completed procedural skills, performance then we received feedbacks and score from the preceptors.

Annexes



| Thai Nguyen University of Medicine and Pharmacy | |
|--|--|
| Modules | Module 1 to Module 4 (two classes) |
| Location of trainings implementation | <p>Online and Offline (place: Thai Nguyen University of Medicine and Pharmacy; Thai Nguyen National Hospital)</p>  |
| Modules implementation | <p>Module 1-4</p> <p>First Class:</p> <ul style="list-style-type: none"> Dates: 05/04/2021 to 06/05/2021 (first class) 63 students (1 male and 62 female) <p>Second Class:</p> <ul style="list-style-type: none"> Dates: 20/05/2022 to 11/09/2022 81 students (female participants) <p>Challenges during the first class:</p> <ul style="list-style-type: none"> Participants from the rural areas had to travel a long distance to attend the courses at the university premises Due to Covid 19 pandemic, many of participants could not fully take part in the classes and the course was lasted longer Lack of models for practicing in skill-lab → due to bureaucratic procedures of the university and the challenges of the pandemic, TNU did not manage to buy the equipment. |
| Assessment of the students and evaluation | <p>Assessment of the students:</p> <p>Students were assessed at theory and practice (one theory exam per one module: two regular exams, one mid-term exam, one final exam; two practical exams: checklist, case study).</p> <p>Evaluation: the evaluation of the students was held qualitative through focus groups facilitated by the SafeMa research team</p> |

of TNU for trainers and by trainers for students. More specifically the trainers found very useful the training workshops, which official introduced them to the world of SafeMa, while the found very interesting the content of the modules and their approach especially the Evidence based midwifery.

The students were very enthusiastic about the content of the four modules and the implementation of the courses. The suggest that the duration of courses implementation should be longer in order to have more time to go deeper with the material.

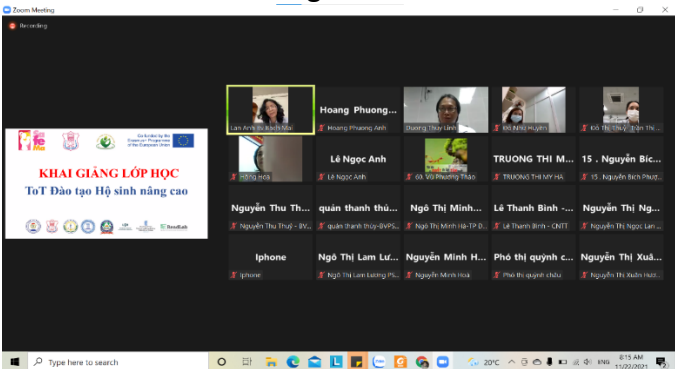
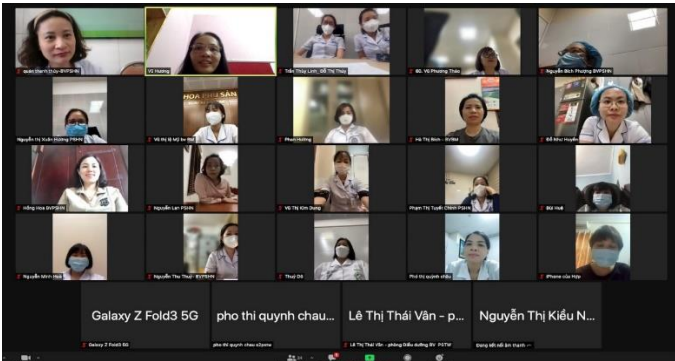
| Internship | ROUND 1 (two classes) |
|---|--|
| Location of internships implementation | <ul style="list-style-type: none"> • Dong Anh Medical Centre; • Ham Yen Medical Centre; Kim Xuyen local hospital; • Nghĩa Lộ Local hospital; Yen Bai Obstetrics, gynecology and pediatric provincial hospital; Mù Cang Chải medical center; Quản Bạ medical center; • Hoà An medical center; Trấn Yên medical center • Văn Yên medical center; Văn Chấn medical center • Yên Bái medical center; Trấn Yên medical center • Rural, mountainous, remote medical centers/ hospitals |
| Description of internships | <ul style="list-style-type: none"> • Participants were divided in small groups for practice, either with patients or models in the laboratory of the hospital. • They practiced under the supervision of the SafeMa trainers following specific guidelines. • A list of requirements was distributed for participants so they must fulfil the requirement. |
| Number of participated students | <ul style="list-style-type: none"> • 54 participants (first class) • 81 participants (second class) |
| Number of participated students from rural areas | <ul style="list-style-type: none"> • From the first class 35 students participated from rural or mountainous or remote areas |
| Period of implementation | <ul style="list-style-type: none"> • 2 weeks |
| Assessment and Evaluation from the students | <ul style="list-style-type: none"> • We provided questionnaire including 13 questions as presented by 5 scales • 90% of the participants were very satisfied with the structure and the content of the internship • While in general they provide a positive feedback, however, for most of the students it was a stressful procedures since most of them had to combine their work with internship. • They practiced in four different hospitals, so we need more teachers at one time to complete the task as schedule. • There were different types of patients in each hospital, so participants did not have equal chances for practice. |
| Suggestions for improvement and Sustainability | <ul style="list-style-type: none"> • Prepare a better schedule for the students that participated in the internships, considering that some of the students were from rural areas. • Engage trainers and students more with the reflective practice learning approach. • Develop more synergies with health centers and hospitals in the rural areas |

| | |
|----------------|------------|
| Modules | 5-8 |
|----------------|------------|

| | |
|---|---|
| <p>Location of trainings implementation <i>(please also add photos from the classes and the SafeMa Hubs)</i></p> | <p>Online and Offline (place: Thai Nguyen University of Medicine and Pharmacy; Thai Nguyen National Hospital)</p> <div data-bbox="564 369 975 636">  </div> <div data-bbox="991 380 1404 636">  </div> |
| <p>Modules implementation <i>(this section should be replicated for each module 1-8)</i></p> | <p>First Round</p> <ul style="list-style-type: none"> From 09/03/2022 to 26/06/2022 30 participants <p>Second Round</p> <ul style="list-style-type: none"> From 20/05/2022-11/09/2022 15 participants <p>Challenges:</p> <ul style="list-style-type: none"> The content of the modules was completely new for the students, so it required more time to explain lectures to them. There were different types of patients in each hospital so participants did not have equal chances for practice. Lack of familiarization of trainers with the training material Many of participants had to practice out of working hours so they got difficulty in accessing cases related to insurance policy, administrative stuff. |
| <p>Assessment and Evaluation of the students</p> | <ul style="list-style-type: none"> Assessment: Students were assessed at theory and practice (one theory exam per one module: two regular exams, one mid-term exam, one final exam; two practical exams: checklist, case study). Evaluation: In the second round, participants were very satisfied with the practice and the content related, however they recommended the prolongation of these lectures since these were some new topics for them. |

| | |
|--------------------------|-----------------------|
| <p>Internship</p> | <p>ROUND 2</p> |
|--------------------------|-----------------------|


| | |
|---|---|
| Location of internships implementation | <ul style="list-style-type: none"> Thai Nguyen National Hospital; Thai Nguyen hospital A; Thai Nguyen hospital C |
| Description of internships | <ul style="list-style-type: none"> Participants were divided in small groups for practice, with patients, in the labs or with case studies. They practiced under the supervision of teachers and must followed guidelines or checklist. A list of requirements was distributed for participants so they must fulfil the requirement. During the internship, they practiced at their preferable working places. Module of scientific research, they conducted small working group and practice a case study at the library of lecture halls. Students were assigned and rotated among hospitals, so they had more opportunities to practice in different places Teachers developed some case studies for several topics that are not available. Participants also practiced some topics by using models at skill lab. |
| Number of participated students | <ul style="list-style-type: none"> 28 (first class) 15 (second class) |
| Number of participated students from rural areas | <ul style="list-style-type: none"> All of them from rural / mountainous areas |
| Period of implementation | <ul style="list-style-type: none"> 2 weeks |
| Assessment and Evaluation from the students | <ul style="list-style-type: none"> Assessment: Students were assessed at theory and practice (one theory exam per one module: two regular exams, one mid-term exam, one final exam; two practical exams: checklist, case study). Evaluation: In the second round of the internship the evaluation of the students was implemented by discussing through focus groups. While participants were very satisfied with the practice and the content related they propose the expansion of internship duration to at least a month in order to have time and work closer with their teams and their instructors. They practiced in four different hospitals, so they need more teachers at one time to complete the task as schedule. |
| Suggestions for improvement and Sustainability | <ul style="list-style-type: none"> Prepare a better schedule for the students that participated in the internships, considering that some of the students were from rural areas. Engage trainers and students more with the reflective practice learning approach. Include shadowing techniques in the hospitals after the completion of SafeMa course. |



| | |
|---|---|
| Hanoi Medical University | |
| Modules | 1-8 |
| Location of trainings implementation <i>(please also add photos from the classes and the SafeMa Hubs)</i> | <p>Location: 1 P. Tôn Thất Tùng, Kim Liên, Đống Đa, Hà Nội 116001, Vietnam</p> <p>Photos from the trainings</p>   |

| | |
|--|--|
| Promoting normal labor Dates of implementation | <ul style="list-style-type: none"> • Dates of implementation: 22/11/2021 – 17/12/2021. • Number of students: 31 • Evaluation of the students: Over 92% think that excited and agreed to useful content for daily work. |
| Fetal monitoring and patient safety | <ul style="list-style-type: none"> • Dates of implementation: 20/12/2021 – 14/1/2022 • Number of students: 29 • Evaluation of the students: Over 90% think that excited and agreed to useful for daily work. |
| Obstetric emergencies | <ul style="list-style-type: none"> • Dates of implementation: 17/1/2022 – 18/2/2022 • Number of students: 29 • Evaluation of the students: Agree with the content of instruction and usefulness for daily work. |
| Post-partum health promotion within midwifery | <ul style="list-style-type: none"> • Dates of implementation: 21/2/2022 – 18/3/2022 • Number of students: 26 • Evaluation of the students: 93% agree with the learning goals and content. |
| Methods in health research | <ul style="list-style-type: none"> • Dates of implementation: 26/4/2022 – 21/5/2022 • Number of students: 17 • Evaluation of the students: Some content and skills are new to students |
| Clinical preceptorship | <ul style="list-style-type: none"> • Dates of implementation: 22/6/2022 – 23/7/2022 • Number of students: 17 • Evaluation of the students: Some content and skills are new to students, especially pedagogy |
| Human rights | <ul style="list-style-type: none"> • Dates of implementation: 12/9/2022 – 15/10/2022 • Number of students: 16 • Evaluation of the students: Some of the content and skills are new to students, especially human rights pedagogy and expertise |
| Evidence Based Midwifery | <ul style="list-style-type: none"> • Dates of implementation: 20/10/2022 – 10/11/2022 • Number of students: 16 • Evaluation of the students: Some of the content and skills are new to students |
| Suggestions according to the evaluation of the students | <ul style="list-style-type: none"> • Assessment: The assessment of the students was implemented in theory and practice (one theory exam per one module: final exam, practice: end-of-term assessment with a care plan combined with practical skills assessment). • Evaluation: The evaluation of the students and the trainers was implemented according to the evaluation toolkit developed by UCN in the form of hardcopy questionnaire. Overall, more the 90% of the students were very satisfied with the academic content, the pedagogic quality of the material. The curriculum updates |


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| | knowledge and skills from classics to modern ones, prompting curiosity and self-expression, expressing self-worth and thereby shaping the industry. Nevertheless, the students were not familiar with the SafeMa approaches and methods, and needed more time. Furthermore, the fact that the course took place during the pandemic period, was a strong disadvantage since healthcare providers had focused on the containment of the epidemic and therefore the course did not attract a lot of participants. |
| Propositions for sustainability of SafeMa Course | <ul style="list-style-type: none"> According to the evaluation of trainers and trainees the reformation of SafeMa study schedule to better suit working people would be an important change that would encourage the participation of more healthcare providers, nurses and midwives in the SafeMa course and would sustain it during the time. |



| Internship | ROUND 1 |
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| Location of internships implementation | <ul style="list-style-type: none"> Hanoi Obstetrics and Gynecology Hospital Bach Mai Hospital (Obstetrics and Gynecology Dept) |
| Description of internships | <ul style="list-style-type: none"> Clinical instructors guide students to practice skills in caring for pregnant women, mothers, and newborns in departments of practical hospitals. |
| Number of participated students | <ul style="list-style-type: none"> 21 |
| Number of participated students from rural areas | <ul style="list-style-type: none"> 4 |
| Period of implementation | <ul style="list-style-type: none"> 22th November 2021 – 13^{sd} December 2021 |
| Evaluation from the students | <ul style="list-style-type: none"> For the assessment of the students Rubrix. MiniCEX was used for patient-related clinical leaf and model Evaluation. According to the evaluation of the students they were over 90% satisfied with the internship and the development of their practical skills in the hospital, however almost all participants agreed that the internship should last longer. Internship evaluation form: https://forms.gle/Rcr8HAHbeMV1h9W48 |
| Suggestions for improvement and Sustainability | <ul style="list-style-type: none"> From the evaluation of the students and the trainers as well as after multiple discussions with them occurs that the annual enrollment will encourage the sustainability of SafeMa course and encourage every year more students to attend it and also attend the internships. |





| Internship | ROUND 2 |
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| Location of internships implementation (name of hospital, health center etc) <i>(please also add photos from the classes and the SafeMa Hubs)</i> | <p>Hanoi Obstetrics and Gynecology Hospital</p> <p>Bạch Mai Hospital (Obstetrics and Gynecology Dept)</p>  |
| Description of internships | <ul style="list-style-type: none"> Clinical instructors guide students to practice skills in caring for pregnant women, mothers, and newborns in departments of practical hospitals. |
| Number of participated students | <ul style="list-style-type: none"> 17 |
| Number of participated students from rural areas | |
| Period of implementation | <ul style="list-style-type: none"> For module 5 & 6: 26/3/2022-20/5/2022 For module 7& 8: 23/5/2022-10/11/2022 |
| Assessment and Evaluation from the students | <ul style="list-style-type: none"> Assessment: After completing internship students were required to send an assignment of practicing one skill to their lecturers for internship assessment. Evaluation: According to the evaluation of the students they were over 90% satisfied with the internship and the development of their practical skills in the hospital, however almost all participants agreed that the internship should last longer. Internship evaluation form: https://forms.gle/Rcr8HAHbeMV1h9W48 |
| Suggestions for improvement and Sustainability | <ul style="list-style-type: none"> Introduce SafeMa course to midwives at different hospitals all over Vietnam and well as more health centers in the rural areas and develop more synergies with them so they that incorporate in their schedule the internship schemes of SafeMa project. |

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| University | Nam Dinh University of Nursing |
| Modules | 1 to 8 |
| Location of trainings implementation (please also add photos from the classes and the SafeMa Hubs) | Location: 257 Hàn Thuyên, Vị Xuyên, TP. Nam Định, Nam Định 420000, Vietnam   |
| Promoting normal labor | <ul style="list-style-type: none"> Dates of implementation: 17/5/2021 – 28/5/2021 Number of students: 46 Number of students from rural areas: 30 |
| Fetal monitoring and patient safety | <ul style="list-style-type: none"> Dates of implementation: 01/6/2021 – 11/6/2021 Number of students: 46 Number of students from rural areas: 15 |
| Obstetric emergencies | <ul style="list-style-type: none"> Dates of implementation: 14/6/2021 – 25/6/2021 Number of students: 46 Number of students from rural areas: 15 |
| Post-partum health promotion within midwifery | <ul style="list-style-type: none"> Dates of implementation: 28/6/2021 – 09/7/2021 Number of students: 46 Number of students from rural areas: 15 |
| Methods in health research | <ul style="list-style-type: none"> Dates of implementation: 8/9/2022 – 21/9/2022 Number of students: 19 Number of students from rural areas: 5 |
| Clinical preceptorship | <ul style="list-style-type: none"> Dates of implementation: 12/9/2022 – 23/9/2022 Number of students: 27 |
| Human rights | <ul style="list-style-type: none"> Dates of implementation: 22/9/2022 – 05/10/2022 Number of students: 19 |
| Evidence Based Midwifery | <ul style="list-style-type: none"> Dates of implementation: 26/9/2022 – 07/10/2022 Number of students: 27 Number of students from rural areas: 15 |
| Assessment and evaluation of the students | <ul style="list-style-type: none"> Assessment: Theory and practice (one theory exam per one module: final exam, practice: end-of-term assessment with a care plan combined with practical skills assessment) Evaluation: The evaluation of the trainers and the trainees was implemented according to the evaluation toolkit developed by UCN. From the proposed methods NDUN choose to evaluate SafeMa Modules through three focus groups. Overall, all participants were very satisfied with the academic content, the pedagogical quality and the organization of trainings. They found very interesting the |



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| | new topics and approached but they wanted more reading material and exercises. |
| Propositions for sustainability of SafeMa Course | <ul style="list-style-type: none"> Annual enrollment and integration of SafeMa Course as a Master Programme at University level. |



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| Internship | ROUND 1 |
| Name of University | Nam Dinh University of Nursing |
| Location of internships implementation (name of hospital, health center etc) (please also add photos from the classes and the SafeMa Hubs) | <ul style="list-style-type: none"> Name of hospital, health center: Hanoi Obstetrics and Gynecology Hospital National Hospital of Obstetrics and Gynecology  |
| Description of internships | <ul style="list-style-type: none"> Clinical instructors guide students to practice skills in caring for pregnant women, mothers, and newborns in departments of practical hospitals. |
| Number of participated students | <ul style="list-style-type: none"> 46 |
| Number of participated students from rural areas | <ul style="list-style-type: none"> 20 |
| Period of implementation | <ul style="list-style-type: none"> 12th July 2021 – 3rd September 2021 |
| Assessment and Evaluation from the students | <ul style="list-style-type: none"> After completing internship students were required to send a video of practicing one skill to their lecturers for internship assessment. Internship evaluation form: https://forms.gle/Rcr8HAHbeMV1h9W48 According to the evaluation of the students the internship was very helpful and encouraged them to develop the theoretical skills that they acquired at the training into practical. |
| Suggestions for improvement and Sustainability | Annual enrollment of the students and the creation of more synergies with hospitals and health centers in the rural area of Vietnam. |




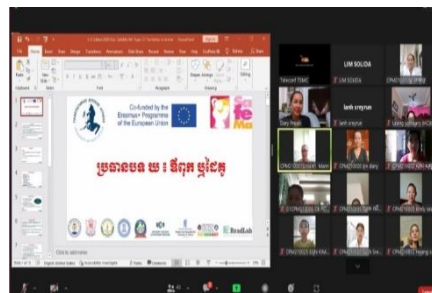

| Internship | ROUND 2 |
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| Name of University | <ul style="list-style-type: none"> Nam Dinh University of Nursing |
| Location of internships implementation | <ul style="list-style-type: none"> Hanoi Obstetrics and Gynecology Hospital National Hospital of Obstetrics and Gynecology <div>   </div> |
| Description of internships | <ul style="list-style-type: none"> Clinical instructors guide students to practice skills in caring for pregnant women, mothers, and newborns in departments of practical hospitals. |
| Number of participated students | <ul style="list-style-type: none"> 46 |
| Number of participated students from rural areas | <ul style="list-style-type: none"> 20 |
| Period of implementation | <ul style="list-style-type: none"> For module 5 & 7: 6/10/2022-30/10/2022 For module 6 & 8: 8/10/2022-30/10/2022 |
| Assessment and Evaluation from the students | <ul style="list-style-type: none"> After completing internship students were required to send a video of practicing one skill to their lecturers for internship assessment. Internship evaluation form: https://forms.gle/Rcr8HAHbeMV1h9W48 |
| Suggestions for improvement and Sustainability | <ul style="list-style-type: none"> Introduce SafeMa courses to midwives at rural areas that are working in the private and the public sector as well as midwives that do not have an academic degree or technical certification |

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| University | International University |
| Modules | 1-8 |
| Location of trainings implementation | <p>Building 89-95, St 1984-1011 Songkat Phnom Penh Thmey, Khan Sen Sok, Phnom Penh City.</p> <div>     </div> |
| Promoting normal labor | <ul style="list-style-type: none"> • Dates of implementation: 18/12/2021 – 30/01/2022 • Number of students: 46 • Number of students from rural areas: 36 |
| Fetal monitoring and patient safety | <ul style="list-style-type: none"> • Dates of implementation: 29/01/2022 – 06/03/2022 • Number of students: 38 • Number of students from rural areas: 30 |
| Obstetric emergencies | <ul style="list-style-type: none"> • Obstetric emergencies • Dates of implementation: 12/03/2022 – 03/04/2022 • Number of students: 38 • Number of students from rural areas: 30 |
| Post-partum health promotion within midwifery | <ul style="list-style-type: none"> • Dates of implementation: 09/04/2022 – 22/05/2022 • Number of students: 32 • Number of students from rural areas: 25 |
| Methods in health research | <ul style="list-style-type: none"> • Dates of implementation: 11/06/2022 – 10/07/2022 • Number of students: 65 • Number of students from rural areas: 56 |
| Clinical Preceptorship | <ul style="list-style-type: none"> • Dates of implementation: 16/07/2022 – 21/08/2022 • Number of students: 61 • Number of students from rural areas: 52 |
| Human rights | <ul style="list-style-type: none"> • Dates of implementation: 27/08/2022 – 02/10/2022 • Number of students: 61 • Number of students from rural areas: 52 |
| Evidence Based Midwifery | <ul style="list-style-type: none"> • Dates of implementation: 09/10/2022 – 13/11/2022 |

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| | <ul style="list-style-type: none"> Number of students: 59 Number of students from rural areas: 50 |
| Assessment and Evaluation | <p>Assessment: Theory and practice (one theory exam per one module: final exam, practice: end-of-term assessment with a care plan combined with practical skills assessment)</p> <p>Evaluation: More than 80% has successfully complete the course. There are only 20 students has drop the course due to the time and some personal issue.</p> |
| Propositions for sustainability of SafeMa Course | Annual enrollment |


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| Internship | ROUND 1 |
| Name of University | INTERNATIONAL UNIVERSITY |
| Location of internships implementation (name of hospital, health center etc) (please also add photos from the classes and the SafeMa Hubs) | <p>Sen Sok International University Hospital Samrong Health Center</p> <div style="display: flex; justify-content: space-around;">   </div> |
| Description of internships | Clinical instructors guide students to practice skills in caring for pregnant women, mothers, and new-borns in departments of practical hospitals. |
| Number of participated students | 38 |
| Number of participated students from rural areas | 30 |
| Period of implementation | 22 th March 2022 – 22 th May 2022 |
| Evaluation from the students | After completing internship students were required to send photos of practicing one skill to their lecturers for internship assessment. |
| Suggestions for improvement and Sustainability | Introduce SafeMa courses to midwives at rural areas. |


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| Internship | ROUND 2 |
| Name of University | INTERNATIONAL UNIVERSITY |
| Location of internships implementation (name of hospital, health center etc) (please also add photos from the classes and the SafeMa Hubs) | Sen Sok International University Hospital Kompong Svay2 Health Center   |
| Description of internships | Clinical instructors guide students to practice skills in caring for pregnant women, mothers, and new-borns in departments of practical hospitals. |
| Number of participated students | 61 |
| Number of participated students from rural areas | 52 |
| Period of implementation | 13 rd September 2022 – 13 rd November 2022 |
| Evaluation from the students (Please describe the procedure as well as the outcomes. Add also the links from the questionnaires that you have used) | After completing internship students were required to send photos of practicing one skill to their lecturers for internship assessment. |
| Suggestions for improvement and Sustainability | Introduce SafeMa courses to midwives at rural areas. |

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| Name of the University | University of Health Science |
| Modules | 1 - 8 |
| Location of trainings implementation (please also add photos from the classes and the SafeMa Hubs) | <p>TECHNICAL SCHOOL FOR MEDICAL CARE #301 Yuthapol Khemarak Phumin (271) Tel : 023 220471 E-mail:ngytann@uh.edu.kh</p>      |
| Modules implementation (this section should be replicated for each module 1-8) | <p>1st Round Module 1 to Module 4 Dates: 11/07/2022 - 20/08/2022 Number of Students: 42</p> <p>2nd Round Module 5 to Module 8 Dates (22/08/2022-08/10/2022) Number of Students: 41</p> <p>From both rounds (1st and 2nd) 38 students were coming from rural areas</p> <p>For the procedures of teaching and evaluation the students: Teaching: Students studied by online for the theory class in the mentioned modules above, teacher from each module used some methods to</p> |




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| | <p>teach students: in theory class, teacher provided lecture; group discussion; flip classroom & question and answer by break out room in Zoom link. In Simulation class practice, teachers used case scenario to teach students through explanation in detail by using scenario then allowed students to take role one as a midwife and another as a women and done role play, after role play finished teacher provide debriefing of case scenario showed. In the internship learning, all students need to go to the hospital guided by (instructors from school) and preceptors (from hospital) to apply the real technic for 8 hours per day during 2 weeks in the national hospitals.</p> <p>Student's assessment:</p> <ul style="list-style-type: none"> - Theory class in round 1 & round 2: <u>In the round 1</u>, each student need to finished theory class successfully with full attendant in class. We developed the link with inserted MCQ questionnaires to evaluate the students in module 1-4 = 120 MCQ then randomizing for 60 MCQ (the final exam) then sending that link to each student. For the minimum score passing is 50%. <u>For the round 2</u> we ran the same ways which developed from module 5-8. - Simulation class in round 1 & round 2: <u>In the round 1</u>, each student needs to finish simulation class successfully with full attendant. Teachers evaluated students at the end of simulation/class practice by using checklist tool through the demonstration of the technic by student as a role play with using critical thinking. For the research class we evaluated the students in library with computers accessed internet. - The internship learning: Each student need to finish successfully for 01 week in round 1 and 01 week in round 2 in the hospital with full attendant and students got evaluation from preceptors in the hospital based on attendant and completed procedural skills, performance then we received feedbacks and score from the preceptors. |
| Suggestions according to the evaluation of the students | <ul style="list-style-type: none"> • Student's intensive studies 8 hours a day, 6 days a week. • Students in remote provinces spend time and stayed while learning to practice. • Some students studied and worked so they couldn't pay much attention. • For subjects in modules 1-4 there was no problem, but in modules 5-8 was a new subject for them, it is a bit difficult. • From module 1-4, Students request to have more relevant midwifery skills. • In the module 5: For finding the article related to maternal and child health is limited to access (hennery, Koha, PubMed or Google Scholar). • Students are limited in English language to read article. • Preparation of translation lessons from foreign languages into national languages. • The internet was down from time to time. • Implementation of the project at the time of the global Covid |

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| | epidemic. |
| Propositions for sustainability of SafeMa Course | <ul style="list-style-type: none"> • Students suggested that it should be added some modules more in to midwife curriculum. • Students suggested that SafeMa project should be upgraded to master degree. • Need funding to sustain the course. |

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| Internship | ROUND 1 |
| Name of University | University of Health Sciences |
| Location of internships implementation (name of hospital, health center etc) (please also add photos from the classes and the SafeMa Hubs) | <p>We arranged 03 national hospitals for sending the students to do internship with the names as below:</p> <ol style="list-style-type: none"> 1. Calmette Hospital 2. Khmer Soviet hospital 3. National Maternal Child Health Center  |

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| Description of internships | <p>Preparation before sending students to internship:</p> <p>Instructor team leader divided the students in three groups, one group for a hospital leading by one instructor. When one group of student arrived in the hospital, the preceptor divides students in small groups to practices the skill in difference services of the hospital.</p> <ul style="list-style-type: none"> - Main instructor from the school prepared the student's list and divided in 03 groups, one group for one hospital with request letter. - Sent request letter with the purpose attached with the student's list to the administrative office of each hospital. - Confirmed with main preceptor of the each hospital if the request letter obtained by the preceptor. - After obtained the student' list, the main preceptor divided into small groups for each service in the maternal wards such as antenatal care; delivery room; post-partum and Gynecology services). - Each instructor responsible for the each hospital informed the team leader of the students about the date of internship and the name the hospital which to apply the internship learning. <p>During internship practice:</p> <ul style="list-style-type: none"> - Instructors and preceptors worked together to teach the students in the each service of the hospital during one week of the internship course in round 1 and 2. - Students provided care to the women and child as required by using some procedures and scenarios that students have learned at school. - Preceptors, instructors & students keep the same work until completed 1 week. - When the end day of the internship, preceptor evaluated the student through the technic; ethical applying in midwifery care. |
| Number of participated students | There are 42 students joined in the round 1 |
| Number of participated students from rural areas | There are 38 students joined in the round 1 |
| Period of implementation | The internship started from 08/08/2022 and ended in 13/08/2022 |
| Evaluation from the students | In summary of the evaluation from the students by using the link with |

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| <i>(Please describe the procedure as well as the outcomes. Add also the links from the questionnaires that you have used)</i> | questionnaires, we concluded that the higher percentage of the students said that they received the new experience from the preceptors at national hospital and exchanged the new skill with their friends and teachers. |
| Suggestions for improvement and Sustainability | -The time of the study should be longer. |

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| Internship | ROUND 2 |
| Name of University | University of Health Sciences |
| Location of internships implementation (name of hospital, health center etc) (please also add photos from the classes and the SafeMa Hubs) | <p>We arranged 03 national hospitals for sending the students to do internship with the names as below:</p> <ol style="list-style-type: none"> 1. Calmette Hospital 2. Khmer Soviet hospital 3. National Maternal Child Health Center <div data-bbox="564 844 984 1167" data-label="Image">  </div> <div data-bbox="999 844 1414 1167" data-label="Image">  </div> <div data-bbox="730 1173 1184 1489" data-label="Image">  </div> |
| Description of internships | <p>Preparation before sending students to internship:</p> <p>Instructor team leader divided the students in three groups, one group for a hospital leading by one instructor. When one group of students arrived in the hospital, the preceptor divides students in small groups to practices the skill in difference services of the hospital.</p> <ul style="list-style-type: none"> - Main instructor from the school prepared the student's list and divided in 03 groups, one group for one hospital with request letter in those preparations, the purpose is different from round 1. - Sent request letter with the purpose attached with the student's list to the administrative office of each hospital. |

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| | <ul style="list-style-type: none"> - Confirmed with main preceptor of the each hospital if the request letter obtained by the preceptor. - After obtained the student' list, the main preceptor divided into small groups for each service in the maternal wards such as antenatal care; delivery room; post-partum and Gynecology services). - Each instructor responsible for the each hospital informed the team leader of the students about the date of internship and the name the hospital which to apply the internship learning. <p>During internship practice:</p> <ul style="list-style-type: none"> - Instructors and preceptors worked together to teach the students in the each service of the hospital during one week of the internship course in round 1 and 2. - Students provided care to the women and child as required by using some procedures and scenarios that students have learned at school. - Preceptors, instructors & students keep the same work until completed 1 week. - When the end day of the internship, preceptor evaluated the student through the technic; ethical applying in midwifery care. |
| Number of participated students | There are 41 students joined in the round 2 |
| Number of participated students from rural areas | There are 38 students joined in the round 2 |
| Period of implementation | The course started from 09/09/2022 and ended in 23/09/2022 |
| Evaluation from the students (Please describe the procedure as well as the outcomes. Add also the links from the questionnaires that you have used) | In summary of the evaluation from the students by using the link with questionnaires, we concluded that the higher percentage of the students said that they received the new experience from the preceptors at national hospital and exchanged the new skill with their friends and teachers. |
| Suggestions for improvement and Sustainability | <ul style="list-style-type: none"> - Students suggested that Safe-Ma course should be sustained because they learned many things in midwifery skill. - Students suggested that it should be added some modules more in to midwife curriculum. - Students suggested that Safe-Ma project should find any supports for master course. |