The redesignation form consists of three parts:

- **Part I - Institutional Profile**
- **Part II - Terms of Reference (TOR)**
- **Part III – Workplan**

This redesignation form below, together with the Terms and conditions for WHO collaborating centres will serve as the agreement between the proposed institution and WHO if the redesignation as WHO collaborating centre is approved by WHO. Completion and submission of the redesignation form, however, does not guarantee that the designation will be approved.

**Name of the University, Hospital, Research Institute, Academy or Ministry**
Universidad Nacional Autónoma de México

**Name of the Division, Department, Unit, Section or Area**
Escuela Nacional de Enfermería y Obstetricia

**City**
México

**CC Reference Number**
MEX-19

**Title**
WHO Collaborating Centre for the Development of Professional Nursing

### Part I - Institutional Profile

The majority of designations as WHO CC are given to a part (e.g. department, division, unit, etc) of an institution, as opposed to the institution as a whole. Example: the Department of Microbiology of the University of ABC. In those cases, when a question in the designation form refers to the "institution", please only provide information about the concerned part (e.g. the Department of Microbiology) of the institution and not about the institution as a whole (e.g. the University of ABC). Where information about the institution as a whole is being required, this will be clearly stated.

The term "WHO CC" means the (part of the) institution designated as a WHO collaborating centre while performing the agreed terms of reference and work plan with WHO (as opposed to the institution performing other activities outside the agreed terms of reference and workplan). Example: Department of Microbiology of the University of ABC, when working on activities included in this designation form and agreed with WHO.

A WHO CC is not a legal entity. The legal entity which controls and is responsible for the WHO CC is the institution or the ministry, academy, university, established research institute or hospital of which the institution forms part.

### Address of the proposed institution

1. **Street and number**
   - Camino Viejo a Xochimilco S/N y Viaducto/Tlalpan
   - Col. San Lorenzo Huipulco - 14370 México DF

2. **City**
   - México

3. **State/Region/Canton/Province**
   - México DF

4. **Postal Code**
   - 14370
1.5 Country
MEX

1.6 WHO Region
AMRO

1.7 Phone
(52-55) 55-73-0698 Ext, 289

1.8 Fax
(52-55) 55730698 Ext 273

1.9 Web site

**Staff of the proposed institution**

1.10 Name of the director of the institution as a whole
Mtra. María Dolores Zarza Arizmendi

**Head(s) of the proposed WHO collaborating centre**

<table>
<thead>
<tr>
<th>Salutation</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mtra.</td>
<td>Rosa A.</td>
<td>Zárate Grajales</td>
<td><a href="mailto:zarate_amarilis@hotmail.com">zarate_amarilis@hotmail.com</a></td>
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</table>

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<td>Mtra.</td>
<td>María Dolores</td>
<td>Zarza Arizmendi</td>
<td><a href="mailto:mdz55@hotmail.com">mdz55@hotmail.com</a></td>
</tr>
</tbody>
</table>

1.12 Please list the names of professional staff working at the proposed institution together with their professional qualifications (e.g. Dr John Smith MPH). Please do not include full resumes or biographies.


**Sources of funding**

Note: The reference to companies in this form includes trade associations and foundations closely associated with their commercial sponsors. The reference to "companies engaged in activities relating to tobacco" includes companies engaged in the manufacture, distribution and/or sale of tobacco or tobacco products and subsidiaries of such companies (including holding companies).

1.13 During the last two years, what percentage of the proposed institution's funding was core funding? Core funding refers to funding that is received by the proposed institution in a regular manner (e.g. a specific amount received annually from a secure source), as opposed to ad-hoc contributions that are received once or at irregular intervals.

0-25% regular (core) funding

1.14 Did over the last three years, does currently, or is there a prospect that, the institution as a whole will receive funds from one or more companies whose business activities are incompatible with WHO's work (e.g. companies engaged in activities relating to tobacco)?

Yes [x]  No [ ]

If "Yes", please provide details (i.e. names of companies, their business activities, level of funding, for what such funding was, is being, or will be, used, together with an indication whether such funding has stopped (and if so, the year in which it stopped), or is current or prospective.
1.15 Does the proposed institution currently, or is there a prospect that the proposed institution will, receive funds from one or more companies that have, or may be perceived as having, a direct or indirect commercial interest in the activities being conducted by the proposed institution as part of its terms of reference as a WHO collaborating centre?

Yes ☑ No □

If "Yes", please provide details (i.e. names of companies, their business activities, level of funding, for what such funding is being, or will be, used, together with an indication whether such funding is current or prospective).

1.16 Does the proposed institution currently, or is there a prospect that the proposed institution will, perform research or other work commissioned by industry as part of its terms of reference as a WHO collaborating centre?

Yes ☑ No □

If "Yes", please provide details (i.e. description of the research or other work, names of companies by which the research or other work is being commissioned, the business activities of these companies, and a clarification of the amounts charged for this research or other work, i.e. whether these amounts are charged on a cost recovery basis or any other basis).

1.17 Does the proposed institution currently, or is there a prospect that the proposed institution will, receive unspecified funds from one or more companies which it is planning to use directly or indirectly for the implementation of the agreed terms of reference as a WHO collaborating centre?

Yes ☑ No □

If "Yes", please provide details (i.e. the names of companies, their business activities, level of funding, for what such funding is being, or will be, used and whether the institution is dependent on the support of one or more of these companies for its continued operation).

1.18 Does the proposed institution currently, or is there a prospect that the proposed institution will, receive funding from one or more companies to support the salary of specific staff or posts working on the activities conducted as part of its terms of reference as a WHO collaborating centre?

Yes ☑ No □

If "Yes", please provide details (i.e. names of companies, their business activities, level of funding, for which staff or what posts such funding is being, or will be, used, and the functions of such staff and/or posts).

1.19 Did over the last three years, does currently, or is there a prospect that, any staff of the institution designated to work on the activities of the WHO collaborating centre, including the proposed head(s) of the WHO collaborating centre, have any other interactions, affiliations or relations with, or any other personal, professional, financial or business interests in, one or more companies that could give rise, or be seen as giving rise, to a conflict of interest?

Such a conflict could exist:
(i) if the company has, or may be perceived as having, a direct or indirect commercial interest in all or part of the activities being conducted by the proposed institution as a WHO collaborating centre;
(ii) if the business activities of the company are incompatible with WHO's work (e.g. companies engaged in activities relating to tobacco); or if the company has (or may be seen as having) a vested interest in exerting influence on the activities of the WHO collaborating centre and/or their outcome.

Interactions, affiliations, relations with, or other personal, professional, financial or business
collaborating centres

Yes [ ] No [ ]

If "Yes", please provide details (i.e. names of the companies involved, their business activities, the nature of the interactions, affiliations, relations, or other personal, professional, financial or business interests, and the value of or income generated through such the interactions, affiliations, relations or other interests, together with an indication whether the interactions, affiliations, relations, or other personal, professional, financial or business interests in question have stopped (and if so, the year in which they stopped), or whether they are current or prospective).

1.20 Please attach a current organizational chart (1 page) of the institution as a whole, including its sub-parts such as divisions, departments, sections, unit or areas (whichever structure applies), indicating the part proposed as WHO collaborating centre.

Organigrama ENEO2015.pdf

1.21 Please list major facilities and any specialized equipment available to the proposed institution (e.g. laboratories, training facilities, documentation centre), if applicable. Please do not list general office space or standard office equipment.

The National School of Nursing and Obstetrics (NSNO) of the National Autonomous University of Mexico since 1997 maintains its academic leadership in the formation of nurses; in the last years in an exercise of strategic planning, it focused on managing the necessary resources to guarantee the quality of the education offer, projecting nationally and internationally the study plans, incorporating new education technologies, improve the quality of the teaching staff so that it impacts on the student’s education processes and makes the academic-administrative organization more efficient.

All that to achieve consolidating the NSNO as the country’s most important nursing resources forming institution. The school offers two bachelor’s degree programs, one in nursing and the other in nursing and obstetrics, 15 graduate specialization programs, one nursing masters program and has the open and distance teaching system for the professionalization of technical nurses who are working in the health system of our country. It offers continuous education to health and nursing professionals who are working in order to contribute to their training and upgrading having for this, an exclusive building to give this education with classrooms and offices for the academic work. Within the School's main functions, besides teaching and academic development, there is also research for which since eight years ago the School has a Unit for Nursing Research which is organized in six groups, each one having professors, researchers, technical academicians, clinic service nurses, and students.

Installations and Equipment

The School has in its main campus 30 classrooms with an approximate capacity for 40 students, one auditorium for 120 persons and one big classroom with capacity for 70 persons; in the academic center of the General Hospital it has 4 classrooms and an auditorium. It also has an academic unit in the Mother-Children Research Center of the born studies Group CIMIGEN and a Nursing Communitarian Center in San Luis Tlaxialtemalco Xochimilco. So, in all these academic areas there are independent spaces and places for academic staff and students, fostered with audio-visual equipments, modern nutrition labs, of advanced clinic teaching for simulation practices, a morpho-physiology and biological and health sciences laboratory in which clinical pharmacology and holistic therapeutic practices are carried out.

For the adequate functioning of the labs for nursing teaching, high technology equipments were acquired in 2010, 4 simulators of medium simulation, and during the 2011-2014 period, 8 simulators were acquired. In 2012, a new born baby SimBaby was acquired for pediatric scenarios. In 2013, 5 high tech simulators were bought: Noelle, an obstetric women for the pregnancy, delivery, and after-delivery period, a simulator of a prematurely born baby, Hall, an adult man for the intensive care virtual scenarios; as well as two models of buttocks intramuscular injection, a cardio-pulmonary reanimation car wit defibrillator and a set of arms for
venous incisions of different ages. In 2014, an interactive table for corpses dissections was acquired Anatomage Table for the interactive study of human morpho-physiology and the system Ixtly for the tridimensional study of the anatomy, besides high-definition projectors.

The NSNO for the diverse activities of teaching, research and development has a computing laboratory which is connected to a large network and is capable of handling enough data for the decision making processes and for the interchange of documentation with other systems in a national and international level. A library with 8336 book titles and 61,151 units; and 4,447 new volumes were acquired during the last years; the served users are close to 221,705 a year, who also have remote access to the materials contained in the Digital Library of the General Direction of Libraries of the UNAM, and agreements were also established with different institutions’ libraries. Related to magazines, there are 325 titles and 19,110 issues. In support to the library services, the school is a PALTEX point of sell which offers services to academicians and students of the health sciences in the southern part of Mexico City.

With the purpose of creating a prevention and health promotion culture at the School’s community, in 2012 the Scholar Health Integral Center was built and this facility offers integral attention to students by diverse health-areas professionals, medical, psychology, nutrition, nursing, and oral health consults based on the detected needs to verify protective factors and early detection of vulnerability situations, the center promotes and encourages the health, the automatic Medical Test to new students was performed on 588 of a total of 613 in 2014, which meant having a health diagnostic of 96% of the total students who had just enrolled.

Currently the School has a sports court and a gym with two programs aimed at sports activities and physical activation of all the academic community. In order to begin the program, several morpho-physiological assessments are performed with the principal objective of identifying the health level of the students in three areas, structural, functional, and physical aspects and endurance. For this, there is the deporteca of the current sports program with a program of physical activation starting on 2013. In 2014, in order to further foster these activities, the gym was expanded, a situation which surely will reflect better results related to student health, as well as an increment in the number of participants in physical activities. Another activity which has required infrastructure has been the development of English language skills in the students. The school has professors and a language lab for the learning of the language, where text comprehension courses are also offered in order to support students seeking graduate studies.

Academic Staff, Education Systems and Services
One of the projects and areas which has considerably grown is our Open University and Distance Education System (SUAyED) due to its high demand and prestige for the processes of professionalization of nursing in Mexico. The SUAyED requires processes and management which are planned and executed through three areas and with the physical and technological infrastructure which supports a large education network in the frame of the academic projects for a diversification of the education offer of the National School of Nursing and Obstetrics, the SUAyED was constructed. In order to finish this task, the UNAM support has been fundamental. This construction includes 35 offices, each with its own computer and network access, which can serve 44 academicians; it has 3 video-conference rooms and 4 classrooms for 30 persons, 3 counseling rooms which will allow a covering of 1,255 students in the system, with 18 sites with whom links of 10 hours are daily carried out.

There are 3 servers and a shift to the Moodle platform was adopted. The NSNO has a specialized team of systems engineers and technicians for the management as well as the attention to staff and students. This year 70 new computing equipments were installed for the SUAyED. This system has 44 subjects of the study plan available on-line and which correspond to 27 compulsory and 17 of choice.

The Graduate Studies Division has a responsibility the group of academic and administrative activities related to the formation of professionals to a specialty and masters levels. It offers 15 programs of specialization and 1 of plain masters. This division is located on the University main campus sharing the space, labs, and classrooms with other graduate studies programs. Since 2014, it has a Simulation clinical Teaching Lab in which advanced instructor training is offered. There is also a computing lab for the nursing students. It has teaching staff of very high quality, who also work in their specialty areas.

It is important to mention that within the nursing graduate program at the NSNO, there is also the Unique Plan of Specialization which started in 1997, and which has 3235 graduates and a yearly enrolment of more than 500 students. This program is also shown on the web page of Mexico’s Technology and Science Council (CONAcYT). The Master in Nursing Program (PME) has 13 generations and it is teaching the 14th,
The Masters program is also in the National Program of Quality Graduate Studies of the CONACyT, which makes it a nationally acknowledge program with high impact on quality human resources formation, academic productivity, and other society sectors collaboration. The Masters program offers advanced formation in nursing for the identification of problems which require innovative solutions, either through the design and evaluation of interventions, or through the implementation of or participation in research projects in health and nursing with diverse methodologies. It has a high-quality teaching staff, and 113 students between 2011 and 2014, and 84 graduates. The school, because of its dynamics, and in order to keep itself in the education vanguard, created an Education Applied Technologies Coordination (TIC’s) which supports all institutional actions, either staff-forming or those oriented towards the use of technologies of information and communication as essential elements in the professors’ activities. Because of the impact of the technological advance in the contemporary is evident, the use of internet and because of this, new teaching strategies were implemented supported in information and communication technologies. As part of this program workshops on teacher-formation were offered, with semi-present modalities, and more than 70 academicians have been trained.

Concerning the academic staff of the institution, we can mention that as far as 2014, there are 397 professors of whom, 2% are in the assistant professor category, 5% in the level of Academic Technicians, 13% as Full Time Professors, and 80% as Subject Professors. Concerning their preparation, 22% has masters, 9% has doctorate, and the rest bachelor’s or specialty. In order to accomplish its function of research, the School has a physical area for that purpose, and a Research Coordination which coordinates and supports the scientific productivity of the professors of the NSNO, as well as the activities of the Institutional and Ethical Research Committee, and we also participate in the Health National Institutes NSNO-Institutions Research Units Network Coordination. As important tasks, counseling is given to researching professors and students, and upgrading initiatives are coordinated through courses, seminaries, diplomas, and academic meetings, the program of social service and linking with other national and international institutions. The Research Committee (CI) is a collegiate body which supports the decision-taking related to institutional research does ordinary meetings systematically and extraordinary meetings of the diverse commissions, agreements are made on verdicts of new projects and diverse procedures as amendments and ethical aspects of research published on the page www.eneo.unam.mx In relation to the productivity in research, between the years 2011 and 2014, we started with 23 projects and currently 27 projects are on the course and 15 have financing from the Technological Innovation Research Projects Support Program (PAPIIT) of the UNAM. In relation to the financing in these years, the School has obtained resources for 8 PAPIIT projects which has contributed with additional resources for research, were approved five projects of professors of the dependency: Dra. Laura Morán Peña, Project PAPIIT: IN302614 —Resolution of Problems and Clinic Decision-Taking in Nursing Graduates. The perspective of reflexive practicell; Mtra. Rosa A. Zárate Grajales, Project PAPIIT IN 304414 —Analysis of Factors Related to security and quality of the Hospitalized Patient. Multi-Centered Study in Mexico; Dra. Ángeles Torres Lagunas Projecto PAPIIT IN308814 Integral nursing intervention to decrease eclampsia related risk factorsll; Dra. Patricia Casasa García PAPIIT IN305314 Antro-pnursing and health cultural carell and Mtra. Sofía Sánchez Piña PAPIIT IT202614 Nursing care in TB through an expert systemll

The School in its link with the health system has strengthened its strategy of support and development with the National Institutes of Health through a Institutional and Ethical Research Committee, and we also participate in the Health National Institutes NSNO-Institutions Research Units which has devoted resources for the creation of research units in nursing. This inter-institutional work group, example of the shared activity for the objective accomplishment, is a strategy worth diffusing as a horizontal work model with the participation of education institutions and health which offer the talent, resources, and joint efforts as health professionals and nursing interested in research; synergic focus which through inter-institutional research, of the evaluation of results of care to health in priority subjects gradually contribute to the care and transformations in health related issues. The network is integrated by 14 institutions and nation institutes of health. The work of the network has been acknowledged and the proof is that for third consecutive year it was granted the Grupo Gen support for the research in nursing, which gives prices to nursing research Antonio L. Silanes and Carlos Vargas, respectively.
It is very important the activity of the NSNO to diffuse and show the knowledge in health and nursing through our Enfermería Universitaria Journal which has 10 years of having begun activities and in research has a vital importance the publication of its products, and because of this, from the edition of the magazine Enfermería Universitaria Journal has been a success for its contribution in national and pan-American scopes. In these last four years of the total of articles to be published in this period 70% were accepted 15% rejected and the other 15% did not finish the process, in two years it was possible to increment the percentage of articles of research included in the journal and in 2012 the catalog and reviewers were updated, the Council and Editorial Committee were re-structured, augmenting to 41 the group of external reviewers which correspond to 60% of the total. With these actions assessment criteria have been accomplished in order to enter into databases, libraries and specialized magazine-libraries. Also, an editorial work with Elsevier was initiated this implicated performing some modifications to the format of the journal, it has been accomplished that the control of the editorial of our journal moves from Mexico to Spain, which makes possible a DOI assignation to the published articles and the recent integration into ScienceDirect and in the middle term Scopus. During 2013 the editorial group was integrated into the UNAM Arbitrary and Academic Journals Editors and Directors, a participation was possible in all meetings and seminars which the council itself organized. The journal has been assessed and approved to be included into three databases and it is in the following sites and/or databases CUIDEN, (2010) , Latindex Directorio (2010) , Latindex Catálogo (2010) Portal de Revistas Científicas y Arbitradas de la UNAM (2010) , Hemeroteca Cantárida (2013) , SciELO México (2013), Periódica (abril 2014) , Science Direct (february 2015)

Like this, the WHO/PAHO Collaborating Center for the Development of Professional Nursing, as a sub-parallel activity of the National School of Nursing and Obstetrics of the National Autonomous University of Mexico, has accomplished the terms of reference stated since its first designation and currently performs technical cooperation with other collaborating centers in the region. All this information can be consulted on the page: www.eneo.unam.mx

1.22 Does the proposed institution currently establish a smoke-free environment across its premises, which can be illustrated either through a documented institutional/departmental policy or through the existence of national/local smoke-free legislation? The smoke-free environment must apply to all indoor workplaces and public places of the institution's premises, and must entail a complete ban of smoking indoors and no areas designated for smoking.

Yes

☑️ The proposed institution agrees with the following Terms and conditions for WHO collaborating centres.

Part II - Terms of Reference (TOR)

Please include the proposed terms of reference for the future collaboration between the proposed institution and WHO, as discussed prior to completing this form. In most cases, 1-3 TOR will be sufficient to provide a high-level framework of the future collaboration. For redesignations, the current terms of reference is automatically prefilled but can be revised as appropriate.

For detailed instructions on how to fill in this section please click on the link provided at the top of the form.

TOR 1  Collaborate with PAHO/WHO to develop an integral proposal related to the quality improvement of nursing education within the Region.

TOR 2  Collaborate with PAHO/WHO to establish and develop the government nurses network in Latin America and Caribbean which providing opportunities for discussions on the current situation and tendencies of human resources nursing within the Region

TOR 3  Collaborate with PAHO/WHO in the nursing development within the region through innovative nursing professionalization system which incorporates undergraduate and graduate education as well as permanent education.
<table>
<thead>
<tr>
<th>Activity ID</th>
<th>21752</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity title</td>
<td>Participation in the development of a self-assessment tool to be applied in the nursing schools in Mexico.</td>
</tr>
<tr>
<td>Link to TOR</td>
<td>TOR1</td>
</tr>
<tr>
<td>Name(s) of responsible staff at the institution</td>
<td>Laura Moran Peña y Rosa A. Zárate Grajales</td>
</tr>
<tr>
<td>Type of activity</td>
<td>Coordination of activities carried out by several institutions (e.g. other WHO collaborating centres)</td>
</tr>
<tr>
<td>Description of the activity and how it is implemented</td>
<td>In collaboration with PAHO/WHO, the University of Alabama at Birmingham, School of Nursing, ALADEFE, ACOFAEN, and the National School of Nursing and Obstetrics of the National Autonomous University of Mexico (ENEO-UNAM, per its acronym in Spanish) elaborate a self-assessment tool for schools of nursing, which incorporates the elements of transformative education, interprofessional competencies and the concepts of universal access to health and universal health coverage. The tool will be applied in the nursing schools of the public universities in Mexico. This activity has been approved by the PAHO/WHO Collaborating Center for International Nursing at the University of Alabama at Birmingham, School of Nursing.</td>
</tr>
<tr>
<td>Expected deliverables</td>
<td>In collaboration with PAHO/WHO and the work team the results obtained in Mexico will be published in the Pan American Journal of Public Health.</td>
</tr>
<tr>
<td>WHO Deliverable (Top Task)</td>
<td>Resolution WHA66.23 “Transforming Health Workforce Education in Support of Universal Health Coverage” passed at the 66th World Health Assembly.</td>
</tr>
<tr>
<td>Name(s) of funding sources</td>
<td>School of Nursing</td>
</tr>
<tr>
<td>Activity timeframe</td>
<td>September 2016</td>
</tr>
</tbody>
</table>

This activity has been specifically developed for the workplan of the WHO collaborating centre and does not constitute a standard activity of the institution without WHO involvement.
<table>
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<tr>
<th>Activity ID</th>
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<th>Type of activity</th>
<th>Description of the activity and how it is implemented</th>
<th>Expected deliverables</th>
<th>WHO Deliverable (Top Task)</th>
<th>Name(s) of funding sources</th>
<th>Activity timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>21753</td>
<td>Participation in a national work team to define proposals for quality improvement in nursing and midwifery education</td>
<td>TOR1</td>
<td>María Dolores Zarza Arizmendi Francisco Cadena SantosRosa A. Zárate Grajales Laura Moran Peña</td>
<td>Coordination of activities carried out by several institutions (e.g. other WHO collaborating centres)</td>
<td>During a meeting with the nursing leaders in Mexico, from the Mexican Federation of Colleges and Schools of Nursing (FEMAFEE per its acronym in Spanish), evaluate the self-assessment tool and define actions for implementation in nursing schools of the Region and based on the results suggest an improvement plan especially for Mexico</td>
<td>To participate in the preparation of a document entitled Quality Improvement Plan for Educational Programs in Mexico and the Region that can be divulged and used by nursing schools.</td>
<td>Resolution WHA66.23 “Transforming Health Workforce Education in Support of Universal Health Coverage” passed at the 66th World Health Assembly</td>
<td>School of Nursing and Mexican Federation of Colleges and Schools of Nursing (FEMAFEE)</td>
<td>September, 2016.</td>
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This activity has been specifically developed for the workplan of the WHO collaborating centre and does not constitute a standard activity of the institution without WHO involvement.
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<th>This activity has been specifically developed for the workplan of the WHO collaborating centre and does not constitute a standard activity of the institution without WHO involvement.</th>
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</table>
| 21754       | Contribute to the Pan American Directory of Nursing Schools in the Regional Observatory of Human Resources for Health. | TOR1        | Patricia González Ramírez Francisco Cadena Santos Rosa Zárate Grajales | Collection and collation of information | To support the Quality Improvement Plan for nursing education in Mexico it is necessary to have in Mexico a dependable information data on the schools and faculties of nursing. The Collaborating Center will work in cooperation with PAHO/WHO to have a complete and updated information about the schools of nursing of the public universities in Mexico in the Pan American Directory of Nursing Schools. | To have at least 30% of the Schools of Nursing of the public universities in Mexico with complete and updated information in the Pan American Directory of Nursing Schools | WHO Strategic Directions for Strengthening Nursing and Midwifery Services 2011- 2015. Resolution CD52.R13 “Human Resources for Health: Increasing Access to Qualified Health Workers in Primary Health Care-based Health Systems” from the 52nd Directing Council of the Pan American Health Organization. | School of Nursing/ Mexican Federation of Colleges and Schools of Nursing (FEMAFEE) | 2016 -2017 | 3/2/2015 10:49:41 PM  
Page (11/20)
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</thead>
<tbody>
<tr>
<td>21755</td>
<td>Analysis of the situation and trends of the nursing workforce in Mexico.</td>
<td>TOR2</td>
<td>María Dolores Zarza Arizmendi, Juna Jiménez Sánchez y Rosa Zarate Grajales</td>
<td>Information dissemination</td>
<td>To perform, evaluate and document a critical analysis of the nursing workforce in Mexico in the last ten years.</td>
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**Expected deliverables**

Publication of an article/document in collaboration with PAHO/WHO on the Analysis of the Strengths and Weaknesses of the Nursing Workforce in Mexico.

**WHO Deliverable (Top Task)**


**Name(s) of funding sources**

Ministry of Health of Mexico/ School of Nursing

**Activity timeframe**

2016-2017

This activity has been specifically developed for the workplan of the WHO collaborating centre and does not constitute a standard activity of the institution without WHO involvement.
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<th>WHO Deliverable (Top Task)</th>
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<th>Activity timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>21756</td>
<td>In conjunction to PAHO/WHO to establish and support of the chief nurse officers’ network of the Region of the Americas.</td>
<td>TOR2</td>
<td>María Dolores Zarza Arizmendi, Juana Jiménez Sánchez y Rosa Zarate Grajales</td>
<td>Organization of events (e.g. conferences; summits)</td>
<td>To promote a meeting in Mexico organized in partnership with PAHO/WHO and the Ministry of Health in order to establish the chief nurse officers’ network of the Region of the Americas and collaborate with them and PAHO/WHO in their activities.</td>
<td>To establish the network of chief nurses officers.</td>
<td>WHO Strategic Directions for Strengthening Nursing and Midwifery Services 2011-2015. Resolution CD52.R13 “Human Resources for Health: Increasing Access to Qualified Health Workers in Primary Health Care-based Health Systems” from the 52nd Directing Council of the Pan American Health Organization.</td>
<td>Ministry of Health Mexico and the School of Nursing</td>
<td>2017</td>
</tr>
</tbody>
</table>

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<table>
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<tr>
<th>Activity ID</th>
<th>Activity title</th>
<th>Link to TOR</th>
<th>Name(s) of responsible staff at the institution</th>
<th>Type of activity</th>
<th>Description of the activity and how it is implemented</th>
<th>Expected deliverables</th>
<th>WHO Deliverable (Top Task)</th>
<th>Name(s) of funding sources</th>
<th>Activity timeframe</th>
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<tr>
<td>21757</td>
<td>Evaluation of the nursing training model based in distance education.</td>
<td>TOR3</td>
<td>Sofía Sánchez Piña, Rocío Guillen Velasco y Yolanda Vargas Sánchez</td>
<td>Development and application of appropriate technology</td>
<td>This activity will evaluate the professionalization of nursing in the Mexico’s health system using information technology (TIC’S).</td>
<td>A document will be elaborated with analysis of the number of nurses trained in this model, participating institutions, workplace, level of care of these institutions, review of the training and continuity in advancing the program and so on.</td>
<td>WHO Strategic Directions for Strengthening Nursing and Midwifery Services 2011-2015. Resolution CD52.R13 “Human Resources for Health: Increasing Access to Qualified Health Workers in Primary Health Care-based Health Systems” from the 52nd Directing Council of the Pan American Health Organization.</td>
<td>School of nurses</td>
<td>April 2017</td>
<td>The results will be divulged in articles, documents and in regional meetings.</td>
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<tr>
<td>21773</td>
<td>Evaluation of the nursing training model based in distance education</td>
<td>TOR3</td>
<td>Sofía Sánchez Piña, Rocío Guillen Velasco y Yolanda Vargas Sánchez</td>
<td>Development and application of appropriate technology</td>
<td>This activity will evaluate the professionalization of nursing in the Mexico’s health system using information technology (TIC’S).</td>
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**Expected deliverables**

A document will be elaborated with analysis of the number of nurses trained in this model, participating institutions, workplace, level of care of these institutions, review of the training and continuity in advancing the program and so on.

**WHO Deliverable (Top Task)**

- WHO Strategic Directions for Strengthening Nursing and Midwifery Services 2011-2015.

- WHO Transforming and Scaling Up Health Professional Education and Training. Policy Brief on Regulation of Health Professions Education.

**Name(s) of funding sources**

School of nurses

**Activity timeframe**

April 2017

The results will be divulged in articles, documents and in regional meetings.

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<tr>
<td>21774</td>
<td>Implementation of nursing training programs which contributes to the development of competencies for the advanced practice nursing.</td>
<td>TOR3</td>
<td>María de los Angeles Torres Lagunes, Cristina Balan Gleaves y Gandhy Ponce Gómez</td>
<td>Training and education</td>
<td>In collaboration with PAHO/WHO participate in the development and consolidation of the advanced practice nursing in the Latin America through organization of meetings in Mexico about the topic, publication of a series in a scientific journal and collaboration with PAHO/WHO during webinars about the topic</td>
<td>The elaboration of a document on the current situation and trends of the advanced practice nursing in Mexico and its contribution to the solution of national health problems.</td>
<td>WHO Strategic Directions for Strengthening Nursing and Midwifery Services 2011-2015. Resolution WHA66.23 “Transforming Health Workforce Education in Support of Universal Health Coverage” passed at the 66th World Health Assembly.</td>
<td>School of Nursing</td>
<td>The contribution of Mexico will be shared in the PAHO/WHO meetings in the region, in the PAHO/WHO Pan American Network of Nursing and Midwifery Collaborating Centers (PANMCC), and through documents produced by the PAHO/WHO CC. September, 2016</td>
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<tr>
<td>21775</td>
<td>Develop the competencies in nursing research in Mexico through the provision of doctorate studies on nursing.</td>
<td>To carry out the proposal of the nursing doctorate program in the School of Nursing, it will contribute to the development of the research competencies of the nurses, in Mexico, who work in diverse scenarios of the practice. Technical cooperation will be established with the CC and the universities with higher development in the American region.</td>
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<td>TOR3</td>
<td>María Dolores Zarza Arizmendi, Gandhy Ponce Gómez</td>
<td>Training and education</td>
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<th>Expected deliverables</th>
<th>WHO Deliverable (Top Task)</th>
<th>Name(s) of funding sources</th>
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<td>To organize the doctoral program in nursing in the School of Nursing</td>
<td>WHO Strategic Directions for Strengthening Nursing and Midwifery Services 2011-2015, Resolution WHA66.23 “Transforming Health Workforce Education in Support of Universal Health Coverage” passed at the 66th World Health Assembly.</td>
<td>School of Nursing</td>
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<th>Activity timeframe</th>
<th>Information will be diffused in the web page of Collaborating Center WHO/PAHO/ENEO 2017</th>
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</thead>
</table>

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### Activity ID 21776

**Activity title**
Contribution to greater visibility of regional nursing research through the organization of the XV Pan American Research Colloquium in Mexico in September 2016

**Link to TOR**
TOR3

**Name(s) of responsible staff at the institution**
María Dolores Zarza Arizmendi, Rosa A. Zárate Grajales

**Type of activity**
Organization of events (e.g. conferences; summits)

**Description of the activity and how it is implemented**
In collaboration with PAHO/WHO, the Collaborating Center will organize the XV Pan American Colloquium on Nursing Research in Mexico City in September, 2016.

**Expected deliverables**
The XV Pan American Nursing Research Colloquium organized in Mexico in 2016.

**WHO Deliverable (Top Task)**

**Name(s) of funding sources**
CC ENEO-UNAM /PAHO

**Activity timeframe**
Diffused through the website of the CC, PAHO, and EnfAmericas

September 2016

This activity has been specifically developed for the workplan of the WHO collaborating centre and does not constitute a standard activity of the institution without WHO involvement.

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### Activity ID 21777

**Activity title**
Development of the Virtual Health Library Mexico-Nursing as a country-thematic and collaborate with the website of the International Nursing’s Health Virtual Library.

**Link to TOR**
TOR3

**Name(s) of responsible staff at the institution**
Mercedes García Cardona ENEO,Mtra. Gabriela Salgado Sánchez, Lic. América Alejandra Cortes Valtierra

**Type of activity**
Coordination of activities carried out by several institutions (e.g. other WHO collaborating centres)

**Description of the activity and how it is implemented**
The School of Nursing and BIREME propose the following activities:

- A training by BIREME in the process of bibliographic description and indexing from the contribution of Mexico to the nursing database (NURDB), in agreement with the LILACS methodology;
- To train the staff of each journal in LILDBI-Web in the criteria which should be followed in the indexing process;
- To assign to each journal the Collaborative
Center key for this project. At its moment, each Journal should manage its own information, which will be included in this space of Mexico. To incorporate the five nursing journals of Mexico which are part of the Nursing Journal Editors Network (Enfermería Universitaria, Revista Enfermería del IMSS, Revista Enfermería Cardiológica de México, Revista Enfermería Neurológica and Revista Horizontes de Salud) to the International Nursing’s Health Virtual Library (BVS); To participate in the development of the Virtual Health Library Mexico chapter

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<tr>
<th>Expected deliverables</th>
<th>To establish Virtual Health Library Mexico. There will be a joint work with nursing international network in order to create the Mexico chapter of BVS-Nursing</th>
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<tr>
<td>Name(s) of funding sources</td>
<td>School of Nursing</td>
</tr>
<tr>
<td>Activity timeframe</td>
<td>Publication of the results in annual informs published in the CC website. The advances from the contribution of research and advanced practice will be diffused during the XV Pan American Nursing Research Colloquium in Mexico in 2016. Through the Virtual Health Library website. 2016-2017</td>
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<tr>
<td>21778</td>
<td>Publish a special issue of the journal “Enfermería Universitaria” about nursing education best practices in Latin America.</td>
<td>With the support of PAHO/WHO authors will be invited to publish articles in the special issue on nursing education best practices in Latin America.</td>
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<td>TOR3</td>
<td>Mercedes Garcia Cardona, Rosa A. Zarate Grajales</td>
<td>Information dissemination</td>
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<tr>
<td>A published special issue of the journal “Enfermería Universitaria” about nursing education.</td>
<td>Resolution WHA63.16 “WHO Global Code of Practice on the International Recruitment of Health Personnel” passed at the 63th World Health Assembly.</td>
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<tr>
<td>School of Nurses</td>
<td>Publication of the results on annual informs published in the CC website and of the special issue in the journal “Enfermería Universitaria”. 2017 to 2018</td>
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