Juba College of Nursing and Midwifery, Republic of South Sudan

Date: June 30, 2016
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I. Demographic Information

1. City & State
   Juba, Central Equatoria State, Republic of South Sudan

2. Organization:
   Real Medicine Foundation, South Sudan (www.realmedicinefoundation.org)

3. Project Title:
   Juba College of Nursing and Midwifery (JCONAM)

4. Reporting Period:
   January 1 – March 31, 2016

5. Project Location (region & city/town/village):
   Juba Teaching Hospital, Juba County, Central Equatoria State, Republic of South Sudan

6. Target Population:
   The Juba College of Nursing and Midwifery (JCONAM) has a direct target population of between 40 and 60 students for every annual intake for the Registered Nursing and Midwifery Diploma course. The 2010 intake admitted 36 students (18 nursing students and 18 midwifery students). 30 of these students progressed to their final year and graduated on August 29, 2013. A second class of 61 students started training in January 2012, and 45 (23 nurses and 22 midwives) progressed to their final year and completed the course in December 2014. 54 students were admitted at the beginning of 2013, and 38 (23 nurses and 15 midwives) completed the course in November 2015 and the two groups of 2012 and 2013 graduated on December 11, 2015. 54 students were admitted in 2014 and have all progressed to their second year. 30 first-year students started the program on July 27, 2015 and 27 are still continuing with the course. The program’s graduates will be deployed to their respective state hospitals, county hospitals, and primary healthcare centers to bridge the gap between demand for skilled services and available service providers.

   The growing population of Juba City is now estimated to be 444,680, projected from the Population and Housing Census conducted in 2008 (there were 140,396 inhabitants in Juba and the immediate surrounding areas at that time). JCONAM educates candidates from all ten states and serves as the first college of its kind exclusively operated by South Sudanese in South Sudan to educate professionals to serve the country’s population of 10.16 million.

II. Project Information

7. Project Goals:
   To improve the quality of and access to professional healthcare services by imparting the necessary skills through a three-year diploma program in either nursing or midwifery at the first College of Nursing and Midwifery in South Sudan accredited by the Ministry of Higher Education and Juba University, offering a diploma of Registered Nursing and Midwifery Status. JCONAM will contribute to reducing the maternal and child mortality rates in South Sudan in accordance with Millennium Development Goals (MDGs) 4 and 5.

8. Project Objectives:
   - Provide model courses in Registered Nursing and Registered Midwifery in the first National Health Training Diploma Institute in South Sudan.
   - Provide a curriculum recognized by all ministries associated with education in the Republic of South Sudan (RSS).
   - Provide leading edge skills laboratory and library for the students.
9. Summary of RMF-sponsored activities carried out during the reporting period under each project objective (note any changes from original plans):

Implemented activities in line with RMF-sponsored activities and project objectives include:

- Continued support of human resources through payment of salary for national tutors.
- Supported the recruitment process of first-year students.
- The two master trainers for the Health eVillages project continued to benefit from the provided tablets preloaded with medical materials.
- Support to the National Ministry of Health, Republic of South Sudan and project partners in the coordination and implementation of project activities during the reporting period. Also in line with the approved college annual work plan.
- Continued facilitation of inter-linkages with UNFPA, MOH, IMC, and other stakeholders in ensuring quality assurance in the implementation of both nursing and midwifery curricula in the diploma program.
- Coordination of RMF activities with other organizations and UN agencies supporting Juba College of Nursing and Midwifery (JCONAM) by participating in meetings and conferences.
- Sponsorship of first, second, and third-year nursing and midwifery students at JCONAM through provision of uniforms, skills laboratory equipment, clinical training equipment, books, stationery and Information Technology (IT) equipment.

10. Results and/or accomplishments achieved during this reporting period:

- 30 nursing and 30 midwifery first-year students were recruited to join JCONAM in the second quarter.
- The two college tutors provided with the preloaded tablets are able to do quick reference checks during lectures and clinical work, hence improving the quality of services delivered.
- The two college tutors continued to supervise and mentor the nurses/midwives provided with Health eVillages preloaded tablets, which has improved patient care in the facility as the healthcare professionals are able to do quick reference checks and provide health education using the devices.
- College tutors trained on the Clinical Care of Sexual Assault Survivors continued to disseminate the information to students both in classes and clinical areas.
- College students are now getting good support and mentorship from JTH staff and college tutors while in clinical practice, following the formation of a joint JCONAM-JTH committee which enhances the relationship between JCONAM and JTH administration.
- Coordination of RMF activities and participation in meetings/workshops together with NGOs and UN agencies supporting JCONAM and other National Health Training Institutes (NHTIs).

11. Impact this project has on the community (who is benefiting and how):

- The Diploma in Nursing/Midwifery Curriculum approved by the Ministry of Health (MOH) will be used as a model document alongside the college structures for replication in other states.
- The Ministry of Health, through the support of RMF and other stakeholders, is working on replicating JCONAM in other states. This will translate into the continued growth in the number of nursing and midwifery diploma institutes in South Sudan and potentially new Nursing/Midwifery College partnerships for RMF.
- Stakeholders in nursing and midwifery education and services are undertaking the development of a bridge course for Community/Enrolled Midwives for acceptance into diploma training to complete the course in less than 3 years.
It is currently estimated that it will take close to 66 years for South Sudan to establish a professional and sustained capacity to address maternal mortality issues in a region with the highest ratio of 2,054 for every 100,000 live births, as per the MOH. In addition to establishing other diploma institutes in South Sudan, the MOH is working on bilateral agreements with neighboring countries to send out qualified South Sudanese to train as nurses and midwives in order to establish a critical mass in the next 10 years.

Several years of experience derived from working with JCONAM and other partners has enabled RMF to develop a vision of increasing its level of support in South Sudan. By virtue of its registration and autonomy, RMF will seek to partner with organizations/agencies, and most importantly, government elements, in the areas of health systems strengthening and sustainable economic empowerment as witnessed in its projects in other countries.

12. Number served/number of direct project beneficiaries:

Through the support of the consortium of partners, currently 81 students are fully sponsored for the three-year education program. This includes the provision of school uniforms, books, stationery, tutors, and monthly allowances.

The table below shows the actual number of students present at the college during the reporting quarter.

<table>
<thead>
<tr>
<th>Year</th>
<th>No. Nursing Students</th>
<th>No. Midwifery Students</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>14</td>
<td>13</td>
<td>27</td>
</tr>
<tr>
<td>Year 2</td>
<td>31</td>
<td>23</td>
<td>54</td>
</tr>
<tr>
<td>Year 3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>45</td>
<td>36</td>
<td>81</td>
</tr>
</tbody>
</table>

The project provides employment opportunities for both the teaching and non-teaching staff. This provides economic sustainability for staff members and their families.

JCONAM was co-founded by RMF and Juba Link in 2010, and established by the consortium of partners on behalf of the Ministry of Health, Republic of South Sudan. To date, project activities have been implemented with a planned exit strategy, working toward turning over complete implementation of these projects to the Ministry of Health (MOH). This is to ensure each project’s sustainable development and continuity by the relevant office in the Ministry of Health.

Upon graduating from the three-year course, the registered nurses and midwives will provide much-needed services within South Sudan’s states and counties at facility level. The services offered by this cadre of graduates are also expected to extend into the community through health education, community mobilization, and home care, among others.

With the inclusion of the second-year midwifery students into the maternity ward delivery roster, the students are able to conduct/participate in 10-20 supervised deliveries per day. These numbers are, however, meant to increase as JCONAM looks into expanding the number of practice sites in the near future.

13. Number of indirect project beneficiaries (geographic coverage):

10.16 million South Sudanese. It is the intention of the consortium to provide a scalable working model for a Government Nursing and Midwifery College that may be extended to strategic locations with the highest demand for these services throughout the country. The school accepts applicants from all 10 states to optimize the distribution of newly qualified healthcare personnel. Subsequent years will witness satellite campuses in other states.

14. If applicable, please list the medical services provided:

RMF procures and stocks the JCONAM dispensary with essential medicines; the students and the college staff receive medication from JCONAM for simple medical conditions.
15. Please list the most common health problems treated through this project.

Under the supervision of their clinical mentors, nursing students were able to provide support in the treatment and care of patients in the:

- Medical Ward
- Surgical Ward
- Pediatric Ward
- Maternal-Child Health/Family Planning

Midwifery students were supervised in the Maternity Ward that comprised:

- Antenatal Clinic
- Antenatal Ward
- Postnatal Ward
- Gynecology Ward

**Health Problems Addressed:**

- Maternal Mortality
- Infant Mortality
- Obstetric Fistulae

Indirectly these will be addressed:

- Malaria
- Respiratory Tract Infections
- Intestinal Worms
- Sexually Transmitted Diseases (including HIV/AIDS)
- Trauma/Domestic Violence
- Psychological Trauma (PTSD)
- Malnutrition
- Polio
- Enteric Fever
- Tuberculosis

16. Notable project challenges and obstacles:

- Students’ transport allowances and stipends stopped due to financial constraints from the supporting partners which may affect the performance of the students.
- Due to the ongoing conflict particularly in the Greater Upper Nile Region and Mundri in Western Equatoria, the University of Upper Nile and Lui Church Midwifery School have relocated to Juba, and the nursing and midwifery students from the university and Lui are currently attending lectures at JCONAM, forcing JCONAM administration to adjust their lecture sessions to accommodate the growing population in an already limited space.
- Lack of new commitments from the health partners of JCONAM is creating many unmet needs for the college.
- Lack of qualified personnel within the hospital to supervise the students when they are conducting clinical rounds, i.e. the students are occasionally supervised by traditional birth attendants, leading to a discrepancy between skills taught and what is witnessed.
- Lack of medical plans/insurance for the students with consideration of their exposure to infections and other general illnesses in the workplace.
- Lack of extra-curricular activities for the students to engage in during their free time and weekends, i.e. outdoor sports and games.
- JCONAM lacks critical support and administrative staff, such as a finance officer and an administrator.
- Limited technical and financial commitment and support provided to the Ministry of Health by stakeholders for the review of the diploma nursing curriculum.
- Lack of financial commitment by stakeholders for the construction of an urgently needed classroom block, students' hostel, tutors' residence, and recreational hall.
17. If applicable, plans for next reporting period:
   • RMF will continue to support JCONAM based on our annual implementation plan, which is based on our MOU with the Ministry of Health.
   • Continued sponsorship of JCONAM nursing and midwifery students in the first, second, and third year.
   • Continue lobbying for more resources to bridge the gaps and have additional classes for nurses and midwives.

18. If applicable, summary of RMF-sponsored medical supply distribution and use:
   RMF keeps the JCONAM dispensary stocked with essential medicines; the students and college staff receive medication from JCONAM for simple medical conditions.

19. Success story(s) highlighting project impact:
   See Appendix

III. Financial Information

20. Detailed summary of expenditures within each budget category as presented in your funded proposal (file attachment is fine). Please note any changes from plans.

Detailed financial report sent separately on a monthly basis

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**Project Photos**

Fekadu (middle), the main midwifery tutor, supervising a midwifery student in the clinical area

PMTCT counsellor (white clinical coat) with a JCONAM student who conducted a successful SVD delivery
JCONAM midwifery student taking care of a woman in the second stage of labor

JCONAM midwifery student taking care a woman in the second stage of labor

JCONAM first-year midwifery student rehydrating a woman in the second stage of labor

JCONAM students preparing gauze for sterilization in the maternity unit

JCONAM students discussing medication to be given to the pregnant woman

JCONAM midwifery students preparing to give morning medications in the antenatal/postnatal ward
JCONAM students reviewing women in the RMF-renovated antenatal care clinic

JCONAM midwifery student inserting Implanon in the RMF-renovated family planning clinic

JCONAM nursing students at the pediatric OPD registering and taking vital signs of patients before they see the clinician

JCONAM nursing student attending to children in the pediatric emergency ward

JCONAM nursing student taking history/recording at the EPI clinic before giving routine vaccinations for children U5

JCONAM nursing students taking history/recording at EPI clinic before giving routine vaccination for children U5
JCONAM nursing student administering BCG vaccine to a neonatal patient

JCONAM students preparing dressing materials in Surgical Ward 3

A JCONAM nursing student attending to a woman who underwent laparotomy following a gunshot wound

A JCONAM nursing student dressing a gunshot wound for a patient admitted to Surgical Ward 3

JCONAM students compiling EPI reports with the nurse

JCONAM nursing students dressing a gunshot wound for a patient admitted to the surgical ward