

Date: July 31 st , 2015	Prepared by: Dr. Taban Martin Vitale and Okang Wilson Ezekiel
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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:
April 1st – June 30th 2015

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 those students had progressed into their final year and graduated on August 29, 2013. A second class of 61 students started training in January of 2012 and 45, consisting of 23 nurses and 22 midwives had progressed into their final year and completed the course in December 2014. 54 students were admitted at the beginning of 2013 and 40 had progressed into their final year. 54 students were admitted in 2014 and 51 have progressed to second year. 30 year one students were recruited in June and are to start classes on July 27, 2015. The graduated students are to be deployed to their respective state hospitals, county hospitals and primary health care 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 Population and Housing Census conducted in 2008 (140,396 inhabitants in Juba and the immediate surrounding areas at that time). The College educates candidates from all the ten states and serves as the first College of its kind exclusively operated by South Sudanese in South Sudan educating professionals to serve the country population of 9.86 million

II. Project Information

7. Project Goals:

To improve the quality of and access to professional health care 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. The College will contribute to reducing the maternal and child mortality in South Sudan in accordance with Millennium Development Goals (MDGs) 4 and 5.

8. Project Objectives:

1. Provide model courses in Registered Nursing and Registered Midwifery in the first National Health Training Diploma Institute in South Sudan
2. Provide a curriculum recognized by all ministries associated with education in the Republic of South Sudan (RSS)
3. Provide leading edge skills laboratory and library for the students
4. Provide improved clinical setting for student training

5. Provide highly qualified instructors and tutors for the duration of the three year program
6. Provide an unprecedented model of health care sector capacity building for South Sudan
7. Provide a sustainable solution to South Sudan's Maternal and Infant Mortality Rate, the former, which is the highest in the world at 2,054/100,000 as per the 2006 South Sudan Household Survey.

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:

1. Support to the National Ministry of Health, Republic of South Sudan and project partners in the coordination and implementation of project activities. Also in line with the approved College annual work plan.
2. 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.
3. Coordination of RMF activities with other organizations and UN agencies supporting the Juba College of Nursing and Midwifery by participating in meetings and conferences.
4. Continued support of human resources through payment of salaries for national tutors
5. The two master trainers for our Health eVillages project continued to benefit from the provided tablets preloaded with medical information and materials.
6. The four college tutors continued to conduct the Maternal Near-Miss Audit at Juba Teaching Hospital with resources provided by RMF.
7. Supported the recruitment of 30 year one students (15 nursing and 15 midwifery) according to the policy of the National Ministry of Health under the Directorate of Training and Professional Development.
8. Sponsorship of first, second and third year nursing and midwifery students at the Juba College of Nursing and Midwifery 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:

1. 15 nursing and 15 midwifery year one students have been successfully recruited and are to start classes on July 27, 2015.
2. The two college tutors provided with the preloaded tablets are able do quick reference checks during lectures and clinical work hence improving the quality of services delivered by them.
3. The two college tutors continued to supervise and mentor the nurses/midwives provided with HeV preloaded tablets which in turn 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.
4. Four college tutors and several third year midwifery students have done tremendous work on the ongoing Maternal Near-Miss Audit at Juba Teaching Hospital during this quarter.
5. The college students, tutors and the supporting staff are still benefiting from the essential medicines provided by RMF in the previous quarter; this reduces the financial burden on the tutors/students/implementing partner (IMC) in purchasing essential drugs for simple medical cases.
6. The college tutors trained on Clinical Care of Sexual Assault Survivors continued to disseminate the information to students both in the class and clinical areas.
7. The 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 relationships between JCONAM and JTH administration.
8. 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):

1. The Diploma in Nursing/Midwifery Curriculum is approved by the Ministry of Health and is being used as a model document alongside the College structures for replication in other states.
2. The Ministry of Health through the support of RMF and other stakeholders is working on replicating the College in other states. This will translate into continued growth in the number of nursing and midwifery diploma institutes in South Sudan and potentially new Nursing/Midwifery College partnerships for RMF.
3. 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.
4. 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.
5. 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:

1. Through the support of the consortium of partners, currently 91 students are fully sponsored for the three-year education program. This includes the provision of school uniforms, books, stationery, tutors and monthly allowances
30 year one students (15 nursing and 15 midwifery) were recruited in June 2015 by the MOH; Department of Training and Professional Development together with partners involved in training and are to start classes on July 27, 2015.

The table below shows the actual number of students present at the College during the reporting quarter:

<i>Year</i>	<i>No. Nursing Students</i>	<i>No. Midwifery Students</i>	<i>Total</i>
Year 1	0	0	0
Year 2	27	24	51
Year 3	24	16	40
Total	51	40	91

2. The project provides employment opportunities for both the teaching and non-teaching staff. This provides economic sustainability for the staff and their families
3. 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 by the Ministry of Health. This is to ensure each project's sustainable development and continuity by the relevant office in the Ministry of Health.
4. Upon graduation following the three-year course, the registered nurses and midwives will provide a much-needed service within the states and counties at facilities 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.
5. 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 the College looks into expanding the number of practice sites in the near future.

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

9.86 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 health care personnel. Subsequent years will witness satellite campuses in other states.

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

Procured and stocked the College dispensary with essential medicines in the previous quarter; the students and the College staff receive medication from the College for simple medical conditions.

15. Please list the most common health problems treated through this project.

Under the supervision of their clinical mentors, the 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:

1. Maternal Mortality
2. Infant Mortality
3. Obstetric Fistulae

Indirectly addressed:

4. Malaria
5. Respiratory Tract Infections
6. Intestinal Worms
7. Sexually Transmitted Diseases (including HIV/AIDS)
8. Trauma/Domestic Violence
9. Psychological Trauma (PTSD)
10. Malnutrition
11. Polio
12. Enteric Fever
13. Tuberculosis

16. Notable project challenges and obstacles:

1. Low number of year one students (30) recruited in June as opposed to the set College annual intake of 60; this creates a huge gap in the expected number of professionals the College would have trained in a given period of time. With this new trend it will take many years to solve the problems of shortage the country is experiencing in the nursing and midwifery workforce.
2. Due to the ongoing conflict particularly in the Greater Upper Nile Region, the University of Upper Nile is relocated to Juba and the Department of Nursing and Midwifery is currently conducting lectures from JCONAM lecture rooms hence forcing JCONAM administration to adjust their lecture sessions to accommodate the growing population in an already limited space.
3. The lack of new commitments from the partners in health for JCONAM is creating many unmet

<p>needs for the College.</p> <ol style="list-style-type: none"> 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 a medical plan/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. The College lacks critical support and administrative staff, such as a finance officer and an administrator. Limited technical and financial commitment and support to the Ministry of Health by the 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.
<p>17. If applicable, plans for next reporting period:</p> <ol style="list-style-type: none"> RMF will continue to support the College 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. To lobby for more resources to have additional classes so as to have 30 nursing and 30 midwifery students in each class.
<p>18. If applicable, summary of RMF-sponsored medical supply distribution and use:</p> <p>Kept the College dispensary stocked with essential medicines; the students and the College staff now receive medication from the College for simple medical conditions.</p>
<p>19. Success story(s) highlighting project impact:</p> <p>Review Project photos.</p>
<p>III. Financial Information</p> <p>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.</p> <p>Detail of financial report sent separately on monthly basis</p>

Project photos



JCONAM second year midwifery student taking the height of a woman during antenatal visit



JCONAM second year student recording the height and weight of a woman following measurement during ANC visit



JCONAM second year midwifery student removing Implanon in family planning clinic



JCONAM midwifery student taking history of woman during antenatal visit



Second year midwifery student listening to foetal heart in ANC while being supervised by UN midwife Judith Draleru



The supervisor/mentor Judith confirming the foetal heart after getting report from the student



Jubilant UN midwives; Jennifer (L) and Judith (R) after successfully reviewing all the mothers in the ANC



The two UN midwives volunteers together with JCONAM students standing in waiting area in ANC after completing their work



JCONAM students performing general cleaning of delivery equipments before taking them for sterilization



JCONAM student preparing the trolley ready for administering drugs in maternity unit



JCONAM students reviewing a mother in first stage of labour in maternity ward



Regina (L), Registered Midwife, with JCONAM student (R) after successful triplet delivery (SVD)



JCONAM midwifery student covering the baby after successful SVD of a woman who is now para 9



Jennifer, a Clinical Mentor, teaching the students how to examine and score a baby after delivery



JCONAM midwifery student inserting an intravenous line in a mother who successfully underwent C/S due to big baby



A big baby delivered through C/S, mother at the opposite side



Jennifer, a Clinical Mentor, encouraging a student to take vital signs of mothers in postnatal ward every morning



JCONAM students preparing to administer morning medication in postnatal ward



JCONAM students inserting an IV access to administer drugs to a woman admitted due to complications in pregnancy



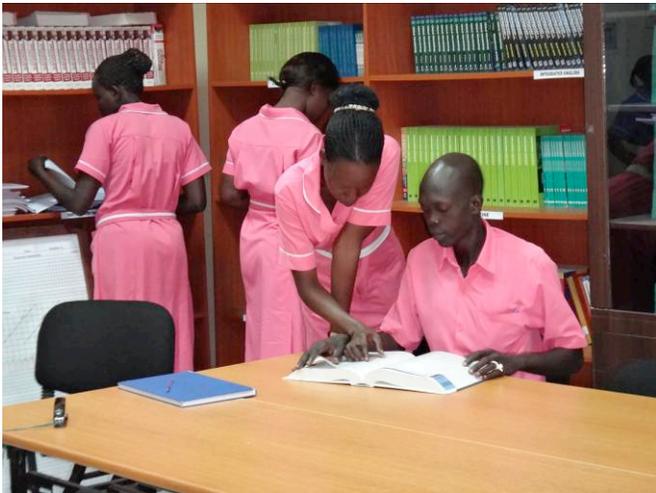
JCONAM students in MCH clinic attending to mothers who come for routine immunization



JCONAM nursing student counselling an epileptic patient who sustained second degree burns during an attack



Helen (R) RMF tutor and Victoria from MOH checking the stock level of essential drugs provided to them in Q2



JCONAM students in well furnished college library



JCONAM students using the well connected computers in the lab to get more educational information



JCONAM students on the campus



JCONAM students in JTH compound with one of JTH staff (L)



JCONAM students entertaining the guests during celebration of International Day of Midwives and Nurses conducted at JTH



Gathering during the celebration of International Day of Midwives and Nurses conducted at JTH