



Juba College of Nursing and Midwifery, Republic of South Sudan

Date: October 23, 2019	Prepared by: Odongo Bonny Oryem
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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:
July 1, 2019 – September 30, 2019

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 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. The two groups of 2012 and 2013 graduated on December 11, 2015. 60 students (30 nursing and 30 midwifery students) were admitted in 2014, and 53 (30 nurses and 23 midwives) progressed to their final year, completing the course in June 2017 and graduating on July 26, 2017. 30 students (15 nursing and 15 midwifery) were admitted in 2015 and all 30 (15 nurses and 15 midwives) progressed into their final year, graduating in December 2018.

The 2016 intake included 25 nursing and 33 midwifery students, and they will be graduating in June 2019. The 2017 intake consisted of 36 nursing and 34 midwifery students, and the 2018 intake consisted of 38 nursing and 50 midwifery students. In 2019, JCONAM faces a gap in funding from its donors. Thus, the 2018 intake of students were suspended under all donors, with the exception of one implementing partner who is supporting 10 first-year midwifery students at the college.

The number of students in the program during the reporting quarter (July to September) are tabulated below:

Year	Nursing Students	Midwifery Students	Total
Year 1 (2019 intake)	0	10	10
Year 2 (2018 intake)	38	50	88
Year 3 (2017 intake)	36	34	70
Total	74	94	168

The growing population of Juba, the capital city of South Sudan, is now estimated to be 551,076, projected from the South Sudan National Bureau of Statistics. (There were 189,479 inhabitants in the immediate surrounding counties of Juba at that time.) JCONAM educates candidates from all 10 former 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 12.92 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 in Registered Nursing and Midwifery Status. JCONAM is contributing 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 a cutting-edge skills laboratory and library for the students.
- Provide an improved clinical setting for student training.
- Provide highly qualified instructors and tutors for the duration of the three-year program.
- Provide an unprecedented model of healthcare sector capacity building for South Sudan.
- 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 according to the 2006 South Sudan Household Survey. Approximately 200,000 women in South Sudan die each year giving birth.

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:

- The two master trainers for the Health eVillages project continued to benefit from the tablets preloaded with medical materials.
- The 58 JCONAM third-year students were offered Respectful Health Care and Psychosocial Trauma Support training, funded by RMF, to equip them with extra skills and knowledge in better health care services.
- The 2 experienced facilitators/trainers who facilitated the training were hired and paid by Real Medicine Foundation.
- During the training, the 58 JCONAM finalists, 2 facilitators, and others were provided with breakfast and lunch, funded by RMF.
- Handouts for the Respectful Health Care and Psychosocial Trauma Support training were printed, laminated, and provided to participants.
- Provided support to the National Ministry of Health, Republic of South Sudan and project partners in the coordination and implementation of project activities over the reporting period. Support and activities are in line with the approved JCONAM annual work plan.
- Continued facilitation of interlinkages with UNFPA, MOH, IMC, and other stakeholders to guarantee quality assurance in the implementation of both nursing and midwifery curricula in the diploma program.
- Coordinated RMF activities with other organizations and UN agencies supporting the Juba College of Nursing and Midwifery (JCONAM) by participating in meetings and conferences.
- Continued to support the salary of 1 South Sudanese midwifery tutor, who continues to provide services for students at the college.
- RMF continued to supply basic medical supplies/medications for students.
- Provided additional training modules and equipment for the demonstration room and skills lab.
- RMF continued to work on mobilizing resources in an attempt to implement full college operations.
- Continued paying top-up allowances for 8 midwives who are working in the Maternity department of Juba Teaching Hospital (JTH) and mentoring students from JCONAM during their clinical practice at the hospital.
- Continued to support the consultative process in developing policies/guidelines and strengthening the South Sudan Nurses and Midwives Association.

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

- RMF continued to provide top-up allowances for 8 midwives who serve the Maternity unit of Juba Teaching Hospital and mentor students from JCONAM.
- The midwife kits provided to Juba Teaching Hospital and other health facilities improved the availability of essential equipment, helping to improve safe maternity care, as well as JCONAM students' experience in clinical practice.
- The 2 college tutors continued to supervise and mentor the nurses/midwives provided with Health eVillages preloaded tablets, which in turn has improved patient care in the facility, as healthcare professionals are able to do quick reference checks and provide health education using the devices.
- RMF participated in the development of policies/guidelines for the South Sudan Nurses and Midwives Association.
- In addition to the role of lecturing and mentoring students in clinical studies, the national tutor provided by RMF supported JCONAM's administration in management of the college.
- JCONAM students in clinical practice continued to provide healthcare services at Juba Teaching Hospital (JTH) and primary healthcare centers within the city of Juba, bridging the gaps in human resources and improving quality of care.
- The two college tutors provided with Health eVillages preloaded tablets continued to do quick reference checks during lectures and clinical work, hence improving the quality of service delivery.
- Continued coordination of RMF activities and participation in meetings/workshops together with NGOs and UN agencies supporting JCONAM and other National Health Training Institutes (NHTIs).
- RMF continued to cover remuneration for one hired national midwifery tutor at the college.
- The 58 JCONAM third-year students were offered Respectful Health Care and Psychosocial Trauma Support training, funded by RMF, to equip them with extra skills and knowledge in better health care services.
- 1 junior JCONAM nursing tutor and 1 UN volunteer midwife received training on how to facilitate the Respectful Health Care and Psychosocial Trauma Support training for the following year, 2020.
- Handouts for the Respectful Health Care and Psychosocial Trauma Support training were provided to the trainers for future reference and further revision.

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

- JCONAM students in clinical practice continued to provide healthcare services in Juba Teaching Hospital and primary healthcare centers within the city of Juba, bridging the gaps in human resources and improving quality of care.
- The Diploma in Nursing and Midwifery curriculum approved by the Ministry of Health (MOH) is being used as a model document alongside JCONAM structures for replication in other states.
- The Ministry of Health, through the support of RMF and other stakeholders, is working to replicate JCONAM 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.
- Stakeholders in nursing and midwifery education and services are undertaking the development of a bridge course for community/enrolled midwives to be accepted into JCONAM's diploma training program with the ability to complete the course in less than 3 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.
- The number of qualified health care providers increased, which reduced the mortality rates at the community level, which were due to negligence and lack of knowledge.
- Juba Teaching Hospital attendance numbers increased as students' counts on the staffs.

- As the Juba Teaching Hospital staff numbers increased, the attendance number increased as well.

12. Number served/number of direct project beneficiaries:

- Through the support of the consortium of partners, during the second quarter of 2019 (April to June), **168 students were 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:

<i>Year</i>	<i>No. Nursing Students</i>	<i>No. Midwifery Students</i>	<i>Total</i>
Year 1	0	10	10
Year 2	38	50	88
Year 3	36	34	70
Total	74	94	168

- The project provides employment opportunities for both the teaching and non-teaching staff. This provides economic sustainability for the staff 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 (MOH), 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. This is to ensure each project's sustainable development and continuity by the relevant office in the Ministry of Health.
- Upon graduation after the three-year course, the registered nurses and midwives will continue to provide much-needed services within South Sudan's states and counties at the 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 second-year midwifery students on the Maternity ward's delivery roster, students are able to conduct or 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.
- More than 158 live births were conducted by the college students without strict supervision by the hospital staff.
- More than 26 asphyxiated newborn babies were rescued by college students in the Neonatal Intensive Unit.
- More than 21 mothers with incomplete abortions had manual evacuations, a procedure conducted with a vacuum aspirator by a group of students.
- In the Pediatric ward, a college student inserted intravenous cannulas for several children when it had seemed impossible.

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

12.92 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 former 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 essential medicines to stock the JCONAM dispensary; 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, the nursing students were able to provide support in the treatment and care of patients in the following wards:

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

Midwifery students were supervised in the Maternity ward, which includes the following areas:

- Antenatal clinic
- Antenatal ward
- Postnatal ward
- Gynecology ward

Health Problems Addressed:

- Maternal Mortality
- Infant Mortality
- Obstetric Fistulae

Indirectly, these medical conditions are also addressed:

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

16. Notable project challenges and obstacles:

- Lack of funding from current donors to facilitate the 2018/2019 intake, associated with low government capacity to take over full management of the college.
- Lack of new commitments from JCONAM health partners 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 lower level health cadres, leading to a discrepancy between skills taught and what is witnessed.
- Lack of medical plans or health insurance for the students, who are exposed to infections and other illnesses in the workplace.
- Limited technical and financial commitment and support provided to the Ministry of Health by the stakeholders for the review of the diploma nursing curriculum.
- Lack of government funding to employ the graduates of JCONAM as per initial plans.

17. If applicable, plans for next reporting period:

- Continue to support JCONAM based on our annual implementation plan, which is based on our MOU with the Ministry of Health.

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 monthly basis

Project Photos



JCONAM students posing together in a classroom



JCONAM students performing a song of peace as they move to meet the president



A UNFPA donor representative appreciating both tutors and students for their great contributions



A UNFPA donor representative mentoring students on the examination of newborn babies and neonates



A group of doctors attending an operation at JTH with equipment provided by RMF



A JCONAM student examining a pregnant woman with minimal supervision



During a hospital inspection by Ministers of Health and other doctors, JCONAM students were recognized for their great contribution in running of JTH



JCONAM students benefited from Chinese doctors working in JTH.



JCONAM students learning using model at the school's skills lab



JCONAM students learning more in the Obstetrics ward from senior medical staff



Students are given hands-on learning opportunities while at hospital