



Jini Na Project

Ethics approval code: NHREC/17/03/2018

Newsletter Nr. 17
December 2024

Study Team:

Principal Investigators

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- *Prof. Aisha Kuliya Gwarzo*
(Bayero University
Kano/Aminu Kano
Teaching Hospital)

Advisors:

- *Dr. Kathleen Selleng,*
- *Prof. Dr. Andreas Greinacher,*
(University Medicine
Greifswald, Germany)

Funder:

*The program is implemented
by the Deutsche Gesellschaft für
Internationale Zusammenarbeit (GIZ)
GmbH.*

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German Federal Ministry for Economic
Cooperation and Development (BMZ)
and co-financed by the Else Kröner-Fresenius
Foundation (EKFS)*

Grant Management:

Sophie Reichelt, Germany

Employments:

*21 Research Assistants,
4 Study Supervisors*

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(Abdulahadi)*

**Bada gudummawar Jini da karin Jini a Kano project
blood donation and blood transfusion in Kano project**

Highlights:

- ❖ **Weekly Data Review Meeting for Weeks 62, 63 and 64 conducted**
- ❖ **Verification of Underlying Causes for Transfusion**
- ❖ **Jini Na Team Members Visit Greifswald**
- ❖ **Announcements**



Participating Hospitals:

1. Aminu Kano Teaching Hospital
2. Murtala Muhammed Specialist Hospital
3. Muhammed Abdullahi Wase Teaching Hospital
4. National Orthopedic Hospital, Dala
5. Waziri Shehu Gidado General Hospital
6. Sir Muhammadu Sanusi General Hospital
7. Sheikh Muhammed Jidda General Hospital
8. Sabo Bakin Zuwo Maternity Hospital
9. Nuhu Bamalli Maternity Hospital
10. Khalifa Isyaku Rabiu Paediatrics Hospital

□ Data Review Meeting with the Study Supervisors, Principal Investigators and Advisors to review the project data, challenges and ponder on the recommendations. The Review meetings for the month of December 2024 were conducted on 5th (Week 62), 13th (Week 63), 20th (Week 64).

□ **Total Blood Donations by Facility** as at 19th December 2024.

Total No. of Entries
66, 526

Total No. of BDs
65, 086

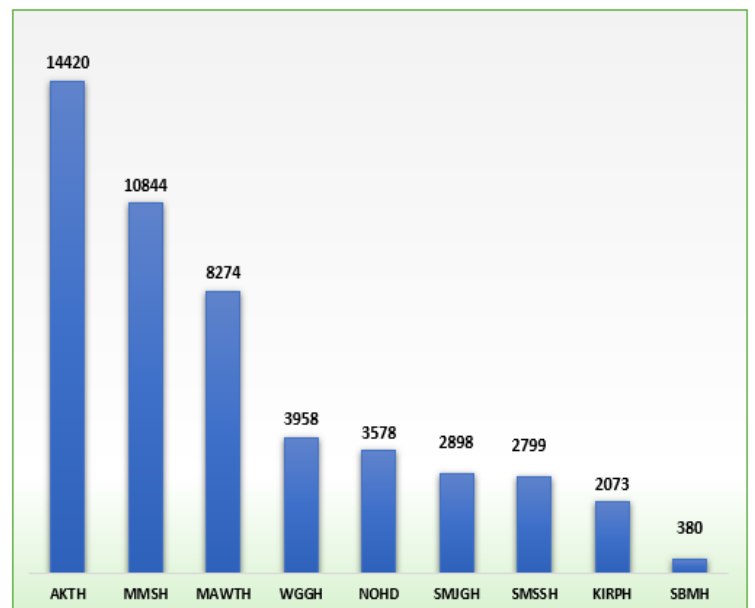
Total No. of BFOs
1, 440

Facility	No. of Blood Donations	%
AKTH	20,736	31.9%
MMSH	16,108	24.7%
MAWTH	10,105	15.5%
NOHD	4,625	7.1%
WGGH	4,474	6.9%
SMSSH	3,464	5.3%
SMJGH	2,815	4.3%
KIRPH	2,356	3.6%
SBMH	403	0.6%
Total	65,086	100%



□ **Total Blood Transfusions by Facility** as at 19th December 2024.

Facility	No. of Transfusions	%
AKTH	14,420	29.29%
MMSH	10,844	22.03%
MAWTH	8,274	16.81%
WGGH	3,958	8.04%
NOHD	3,578	7.27%
SMJGH	2,898	5.89%
SMSSH	2,799	5.69%
KIRPH	2,073	4.21%
SBMH	380	0.77%
Total	49,224	100%



Verification of Underlying Causes for Transfusion



- The Jini Na project engaged two physicians (Drs. Yazid Yahaya and Halima Ismail) who are currently assessing the underlying causes of blood transfusions at Aminu Kano Teaching Hospital (AKTH).
- Over **4,000** blood transfusions have been tracked to patients with underlying causes of blood transfusion.

Comparison of Blood Transfusion due to Sickle Cell Disease (SCD) and Non-Sickle Cell Disease (NON SCD) patients

TRANSFUSION CAUSE	FREQUENCY	%
SCD	718	16.9%
NON SCD	3,519	83.1%
Total	4,237	100%

CAUSE OF TRANSFUSION	FREQUENCY	%
TRANSFUSION DUE TO BLEEDING	1,321	31.2%
TRANSFUSION WITHOUT BLEEDING IN THE LAST 10DAYS	2,916	68.8%
Total	4,237	100%

Proportion of Transfusion causes due to Bleeding and without bleeding as at 19th Dec. 2024



The Kano-Greifswald team developed a prototype device to prevent blood bag overfilling and ensure proper anticoagulant mixing during blood donation. The device is a box with adjustable volume, achieved by adding or removing plates, suitable for single or double blood bags.

ON the JOB Training:

Two members from the Kano team of the Jini Na Project, Kabiru Sulaiman and Muhammad Rabiu Abubakar visited the University of Medicine Greifswald, Institute for Transfusion Medicine for on-the-job training from the 28th November, 2024 to 14th December, 2024.

During the visit, Kabiru Sulaiman was trained on various Laboratory test procedures aimed at improving the transfusion practice in Kano. The training aspects include;

- Antibody differentiation procedures using gel cards and glass tubes with and without enzymes treatment of red cells.
- Quality Control testing blood components – Fresh Plasma, Platelets Concentrate and Erythrocytes concentrate.
- Preparation of Pooled Platelets Concentrate from four (4) buffy coats.
- Titration of antisera for ABO and extended Rh typing.

Muhammad was engaged with the IT staff in the Institute for Transfusion Medicine and was trained on the software interfaces of some devices used in the laboratory. He also visited the server room of the hospital and compared the digitalization activities between Kano and the Greifswald hospital.

- The **4th Jini Na Quartely Review Meeting (QRM)** for both the Stakeholders and the Research Assistants has been scheduled to take place as follows:

Date: January 18th 2025

Venue: The ACEPHAP Conference Room, Inside AKTH, Kano

Time: 9:00am – 12:00pm (RAs) and 1:00 – 3:00pm (Stakeholders)



Save the Date:

4th QRM for the Jini Na Project is coming up on

January 18th 2025