

# Successful Surgical Campaign for Eye Screening at John F. Kennedy Medical Center in Collaboration with Liberia Medical and Dental Association (LMDA)

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## Abstract:

This article highlights a surgical campaign conducted for eye screening at the John F. Kennedy Medical Center Department of Ophthalmology in collaboration with the Liberia Medical and Dental Association (LMDA). The campaign aimed to provide eye screenings for 100 medical students from A.M Dorglate College of Medicine University of Liberia. The outreach campaign was held on July 7th, 2023, as a pre-event for the LMDA 2<sup>nd</sup> quarter meeting. The campaign successfully screened 132 patients, including medical students and John F. Kennedy Medical Center staff

## Introduction:

This Campaign was Organized by the Liberia Medical & Dental Association (LMDA) outreach committee, the eye screening campaign was conducted to raise awareness about eye health and detect any potential eye problems among the participants. The collaboration with the John F. Kennedy Medical Center Department of Ophthalmology ensured the availability of specialized equipment and highly skilled ophthalmologists.

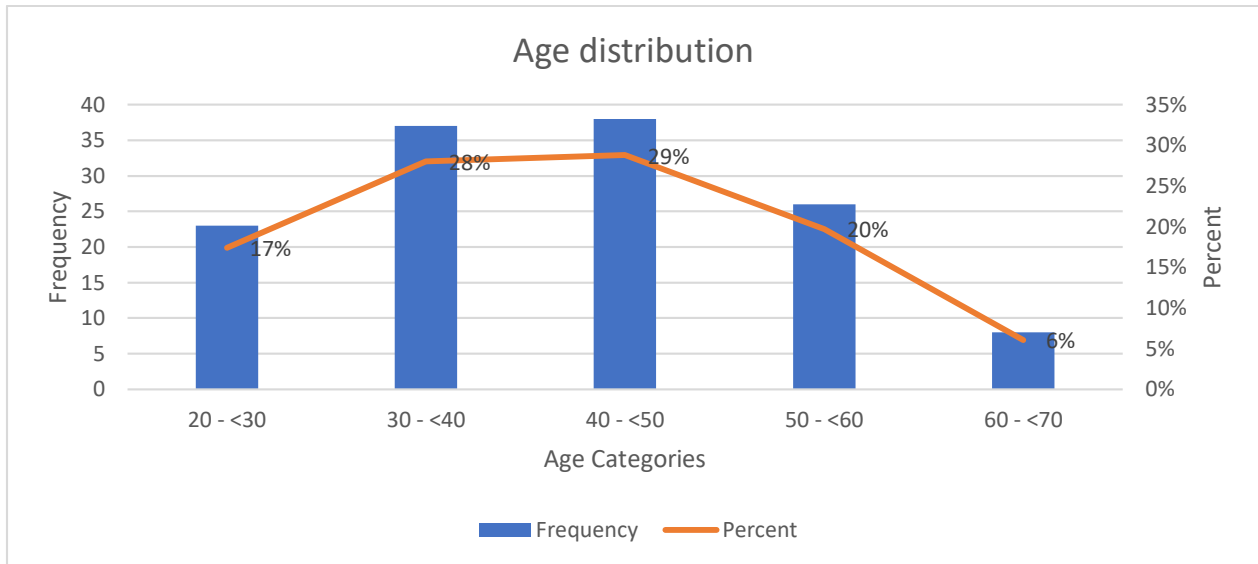
**Method:**

The campaign took place from 9 am to 12:30 pm at the John F. Kennedy Medical Center ophthalmology department. The Liberia Medical & Dental Association (LMDA) outreach committee members, including Dr. George Peter.M, Dr. Michael Kempeh, Dr. Soeghen E. Willie, and Dr. Jewel Tarpeh-Kollie, played a significant role in the successful execution of the campaign. The ophthalmology team, led by Dr. George T. Bomquoi, a specialist ophthalmologist, and consisting of Dr. Lydia Nimely-Smith, Dr. Caleb Patrick Wlue, Dr. Jerome C. Johnson, Dr. Maxwell Suah, and Dr. Swin W. Toe, provided expert medical assistance throughout the event.

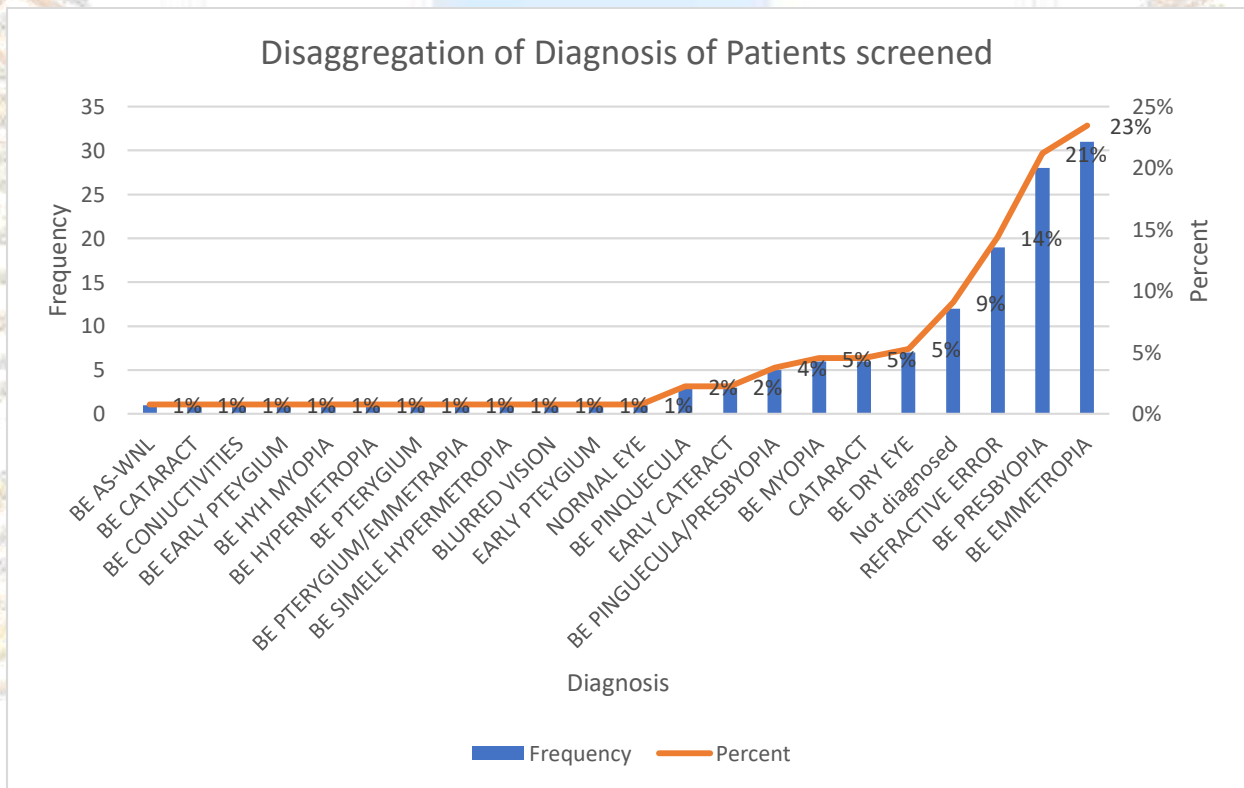
**Results:**

|  | Diagnosis                | Frequency        | Percent        |
|--|--------------------------|------------------|----------------|
|  | BE AS-WNL                | 1                | 0.76%          |
|  | BE CATARACT              | 1                | 0.76%          |
|  | BE CONJUCTIVITIES        | 1                | 0.76%          |
|  | BE DRY EYE               | 7                | 5.30%          |
|  | BE EARLY PTEYGIUM        | 1                | 0.76%          |
|  | BE EMMETROPIA            | 31               | 23.48%         |
|  | BE HYH MYOPIA            | 1                | 0.76%          |
|  | BE HYPERMETROPIA         | 1                | 0.76%          |
|  | BE MYOPIA                | 6                | 4.55%          |
|  | BE PINGUECULA/PRESBYOPIA | 5                | 3.79%          |
|  | BE PINQUECULA            | 3                | 2.27%          |
|  | BE PRESBYOPIA            | 28               | 21.21%         |
|  | BE PTERYGIUM             | 1                | 0.76%          |
|  | BE PTERYGIUM/EMMETRAPIA  | 1                | 0.76%          |
|  | BE SIMELE HYPERMETROPIA  | 1                | 0.76%          |
|  | BLURRED VISION           | 1                | 0.76%          |
|  | CATARACT                 | 6                | 4.55%          |
|  | EARLY CATERACT           | 3                | 2.27%          |
|  | EARLY PTEYGIUM           | 1                | 0.76%          |
|  | NORMAL EYE               | 1                | 0.76%          |
|  | Not diagnosed            | 12               | 9.09%          |
|  | REFRACTIVE ERROR         | 19               | 14.39%         |
|  | <b>TOTAL</b>             | <b>132</b>       | <b>100.00%</b> |
|  | <b>TOTAL</b>             | <b>132</b>       | <b>100.00%</b> |
|  | <b>Sex</b>               | <b>Frequency</b> | <b>Percent</b> |
|  | Female                   | 64               | 48%            |
|  | Male                     | 68               | 52%            |
|  | <b>TOTAL</b>             | <b>132</b>       | <b>100.00%</b> |

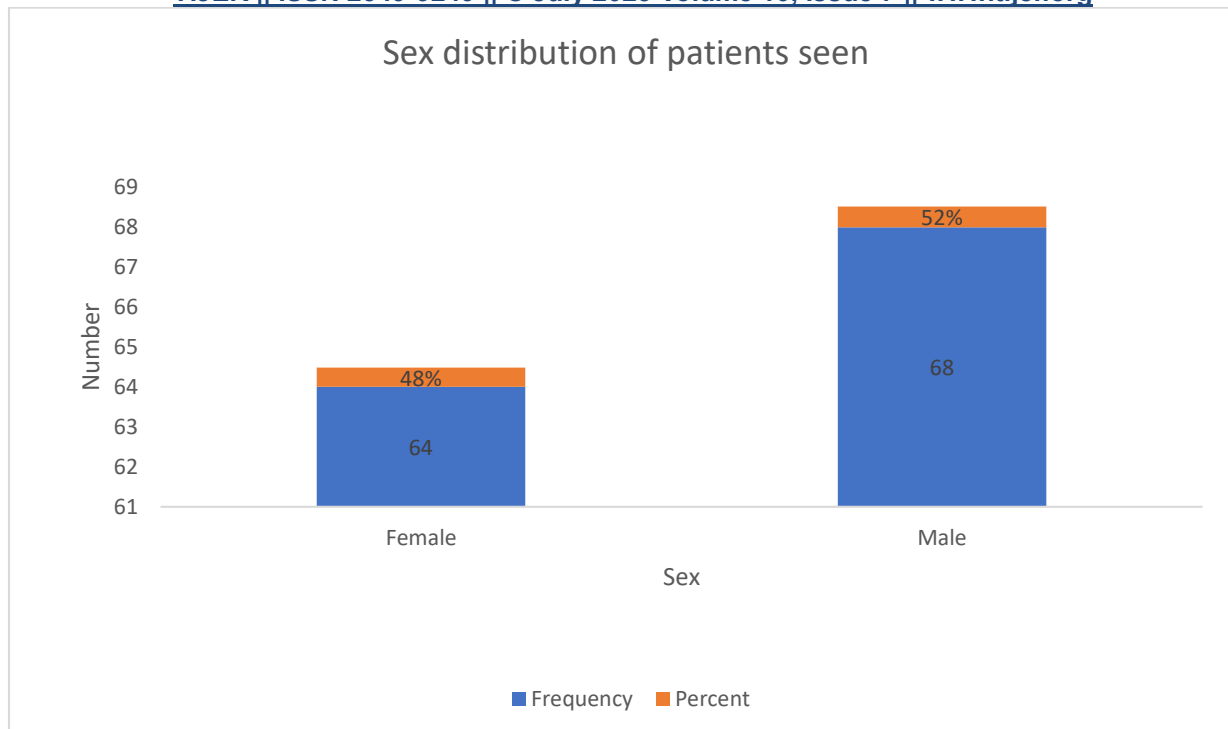
A total of 132 patients were screened during the campaign.



The age group between 40 < 50 years accounted for the highest percentage of patients (29%), while the age group between 60 < 70 years had the lowest number of patients, with only 6%.



The most common diagnosis among the screened patients was refractive error, with 9% identified with presbyopia 14% and with emmetropia 21%.



Sex distribution among the patients revealed a relatively equal proportion, with 48% females and 52% males. Two patients identified as "Medical Doctors" one is a General Surgeon and the other is a General Surgery Resident PGY1 were included in the screening.

### Conclusions:

The surgical campaign conducted for eye screening at the John F. Kennedy Medical Center in collaboration with the Liberia Medical & Dental Association (LMDA) was a resounding success. A significant number of individuals, including medical students and healthcare staff, benefited from the screenings. Detecting refractive errors and providing appropriate solutions can significantly improve the quality of life for these individuals. Furthermore, the collaboration between the medical center and Liberia Medical & Dental Association (LMDA) exemplifies the importance of partnerships in creating impactful healthcare initiatives.

### Reference:

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