

Hospital Donations Analysis

Analysis

Donations: The cardiology department received the highest average amount of donations (\$4,851) and it also has the highest total amount of donations (\$58,218). The neurology department had the lowest total amount of donations (\$12,067), which was significantly less than other departments which had greater than \$30,000.

Transactions: Dr. Smith had the highest number of transactions (107). The oncology department had the highest number of transactions (56).

Payment mode: The most popular payment method was cash, there were 62 instances of cash being used.

Trends: The trend showed donations increasing from \$947 in January to between \$40,000 and \$50,000 in the March to July period. It then decreased to \$23,866 in August and then gradually increased to \$60,243 in December. Most of the donations were above \$40,000 except in the months of August and September during which they were around \$30,000 or below.

Visualizations

Figure 1. Box plot of department donations

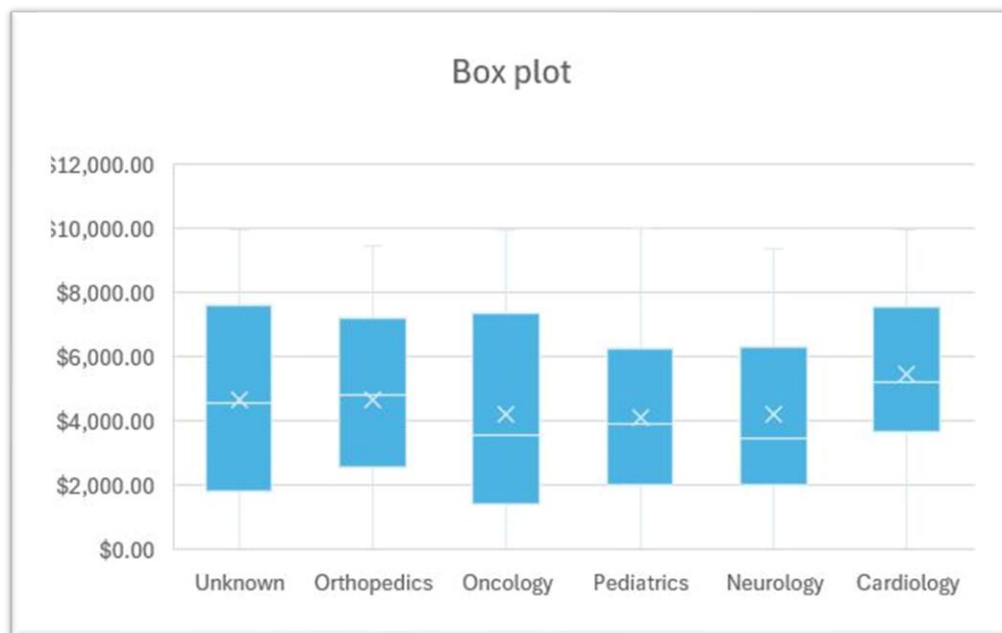


Figure 2. Number of transactions for each doctor

Doctor Nam	Count of Transactions
Dr. Smith	107
Dr. Adams	105
Dr. White	101
Dr. Lee	96
Dr. Brown	91
Grand Total	500

Figure 3. Donation trends



Figure 4. Number of transactions for each payment mode

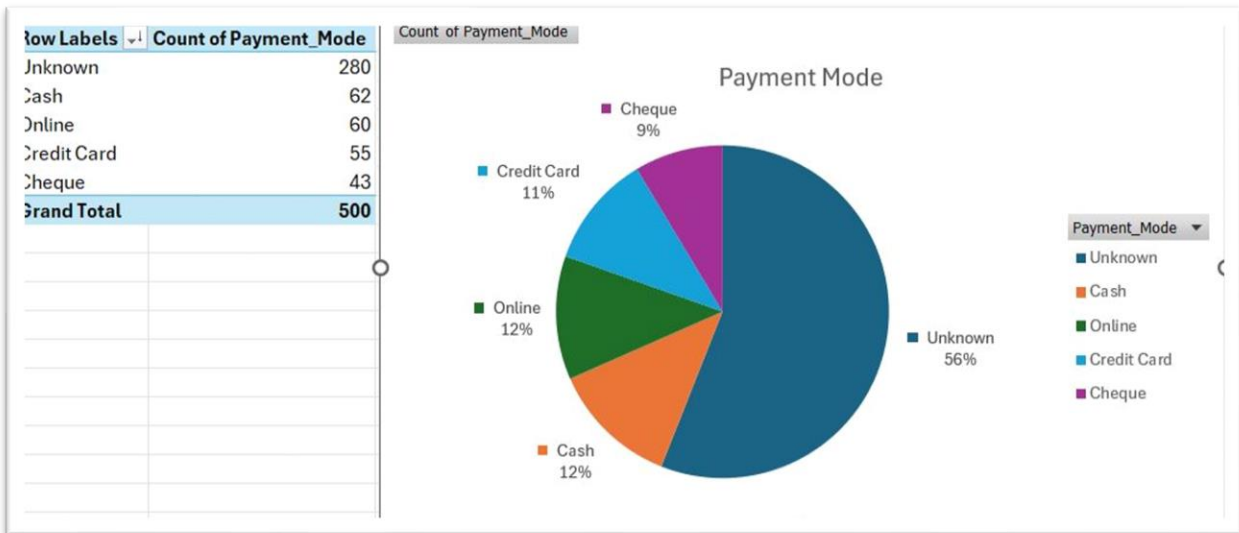
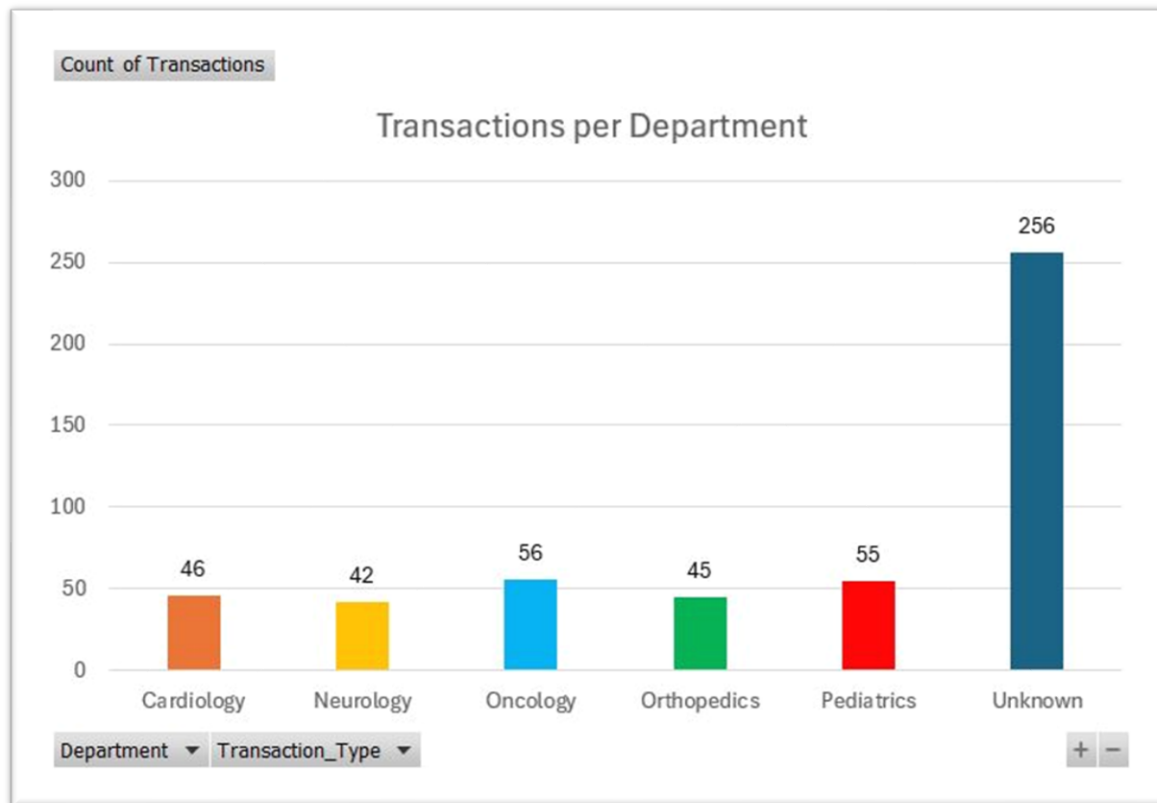


Figure 5. Donation sums and averages for each department

Departments	Sum of Donations	Average Amount of Donations
⊕ Cardiology	\$58,218.76	\$4,851.56
⊕ Neurology	\$12,067.10	\$3,016.78
⊕ Oncology	\$31,176.44	\$3,897.06
⊕ Orthopedics	\$49,043.14	\$4,086.93
⊕ Pediatrics	\$51,387.02	\$4,671.55
⊕ Unknown	\$251,054.58	\$5,021.09
Grand Total	\$452,947.04	\$4,669.56

Figure 6. Number of transactions for each department



Insights

We need to investigate what's causing the low donations in the neurology department and direct more resources to collect donations in the department if necessary.

Donations fell during the months of August and September so we need to increase fundraising efforts during these months.