

# Cost analysis of treating a corneal ulcer

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# Introduction

- WJ, 64 years old
- Farmer
- Central Province, Kenya
- Injury to left eye for 8 days
- harvesting bananas – fell on his face
- No diabetes mellitus or other chronic disease

# Day 0-1

- Local district hospital
- Sh.200 transportation (boda boda)
- Sh.200 hospital
- Sh.200 boda boda looking for medicines
- Sh. 500 medicines (2hourly Dexasine)
- Sh. 500 accomodation
- Sh. 100 transport back home (matatu)
- Day Total =Sh. 1700

# Day 8-9

- Worse
- Goes to Nairobi
- Home - Murang'a Sh. 100
- Murang'a - Nairobi Sh. 250
- Nairobi - Lang'ata Sh. 50
- Lang'ata - UHMC Sh. 100
- Consultation Sh. 2000
- NO SCRAPPING DONE (NO MONEY)
- Meds (Exocin q4h 710sh, Atropine q8h, 240sh) Sh. 950
- UHMC- Lang'ata Sh. 100
- Nairobi – Murang'a Sh. 250
- Murang'a – Home Sh. 100
- Day Total =Sh. 3900
- Cumulative total = Sh. 5600
- VA OD 6/6 OS 6/18
- 2.6mm X 4.6mm

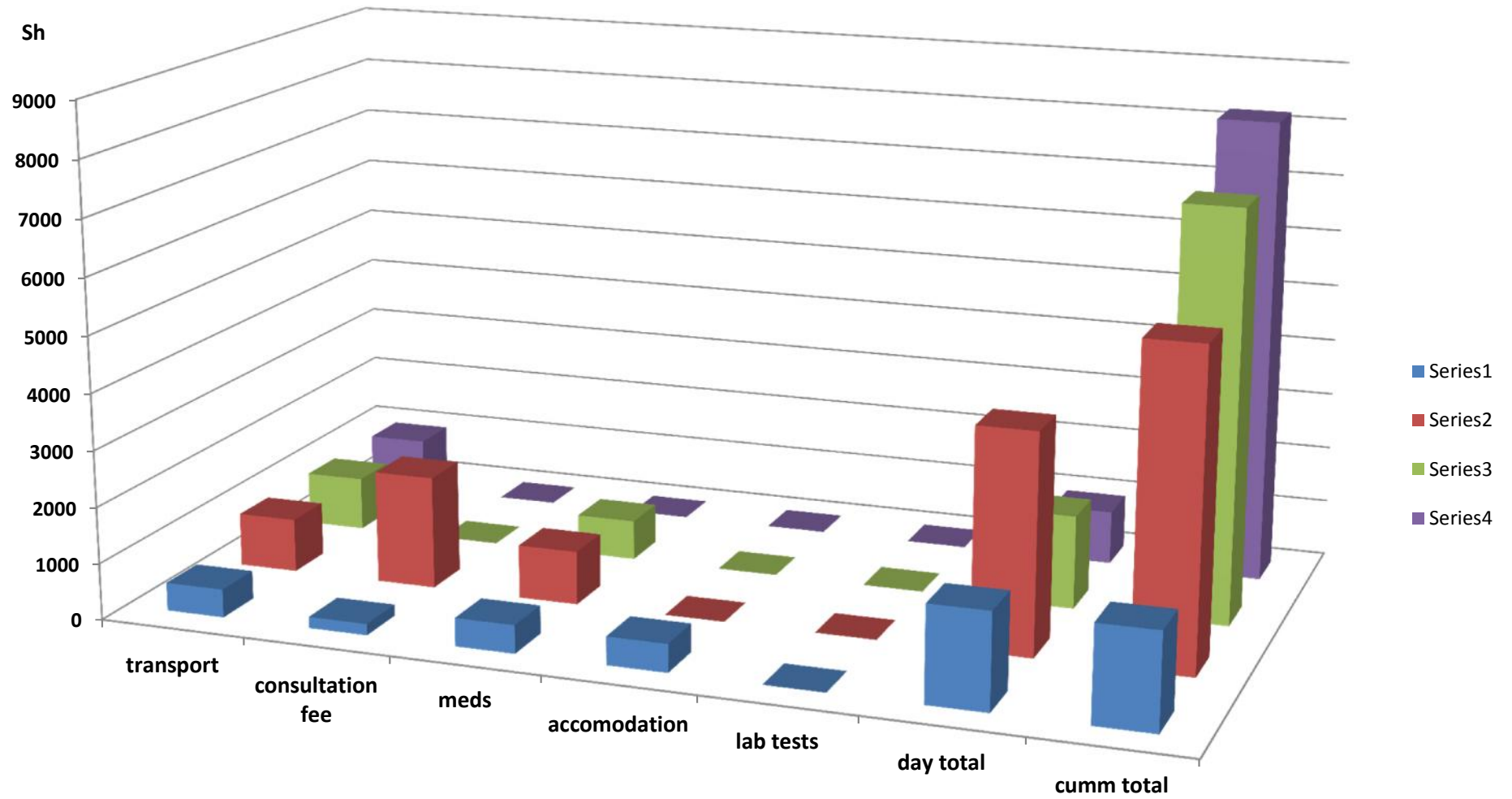
# Day 15

- Home - Murang'a Sh. 100
- Murang'a - Nairobi Sh. 250
- Nairobi - Lang'ata Sh. 50
- Lang'ata - UHMC Sh. 100
- Consultation Sh. 0
- Meds (Exocin q8h) Sh710
- UHMC- Lang'ata Sh. 100
- Nairobi – Murang'a Sh. 250
- Murang'a – Home Sh. 100
- Day total =sh. 1660
- Cummulative total = sh.  
7260
- VA OD 6/6 OS 6/9
- 1mm X 2mm

# Day 22-23

- Home - Murang'a Sh. 100
- Murang'a - Nairobi Sh. 250
- Nairobi - Lang'ata Sh. 50
- Lang'ata - UHMC Sh. 100
- Consultation Sh. 0
- UHMC- Lang'ata Sh. 100
- Nairobi – Murang'a Sh. 250
- Murang'a – Home Sh. 100
- Day total = sh. 950
- Cummulative total = sh. 8210
- VA OD 6/6 OS 6/6
- No epithelial defect

# Cost breakdown by day



# Discussion

- Per capita income in the district =
- Lost income =
- Illness cost ?% of monthly income
- Insurance = 45% of total cost



# Conclusion

- Corneal ulcers have potential to cause poverty
- Lack of laboratory diagnostic support is a big challenge
- Referral through the health system are not always efficient