



Climate & Development  
Knowledge Network



# **Promoting Non-Motorized Transport in Nairobi**

Celebrating gains and highlighting areas of improvement



## Background

Did you know that 2.27 million trips per day are made by walking and 55,000 by bicycle in Nairobi? That translates into:



**48.2%**  
OF ALL DAILY TRIPS  
IN NAIROBI ARE  
MADE BY NMT

In Nairobi, NMT users account for over 330 deaths annually, resulting in 66.3% of total traffic fatalities



**WERE NMT USERS**

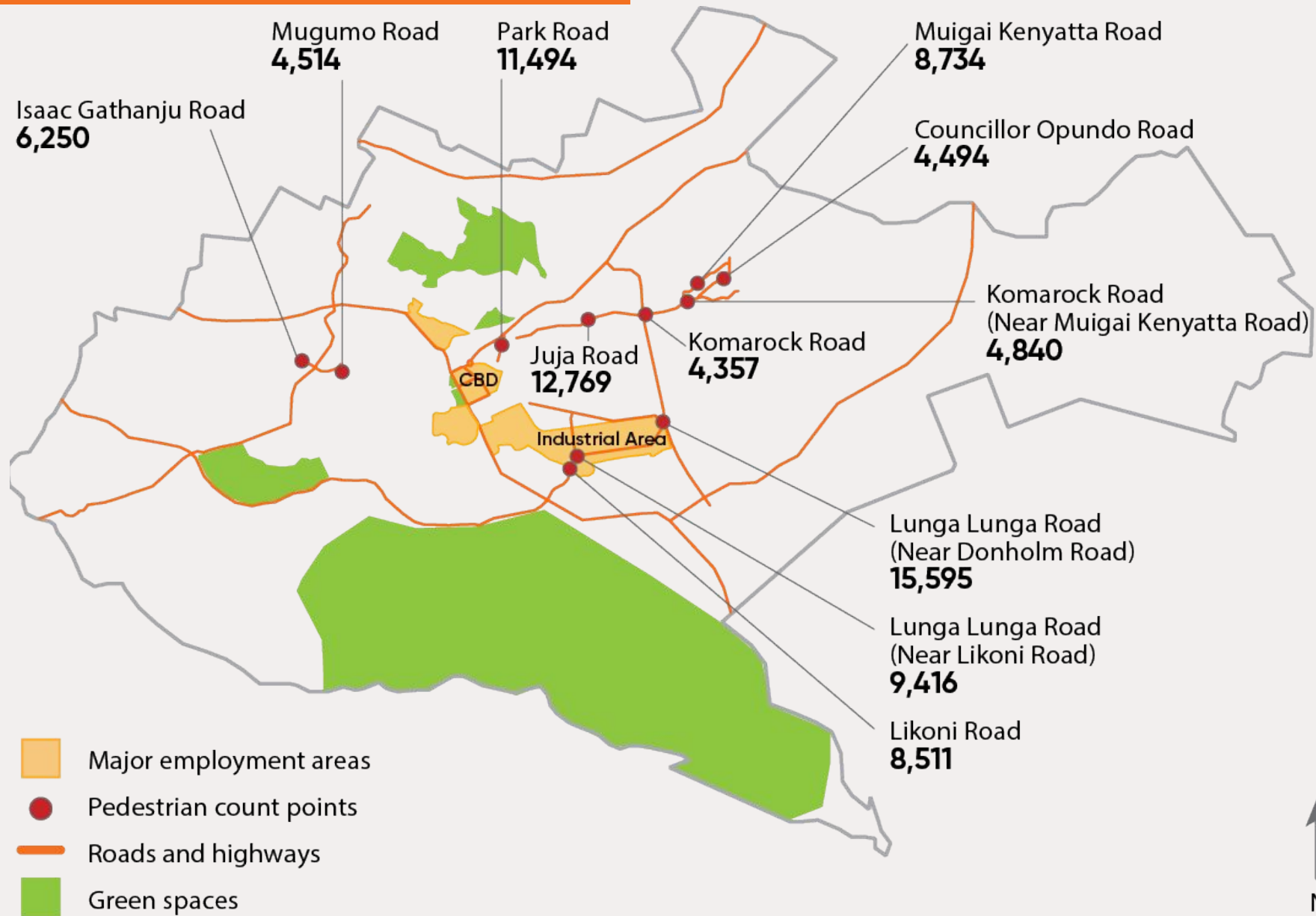
The transport sector contributes **11%** of total emissions in Kenya.



This figure is projected to increase to **15% BY 2030** due to a rise in the number of passenger and freight vehicles.

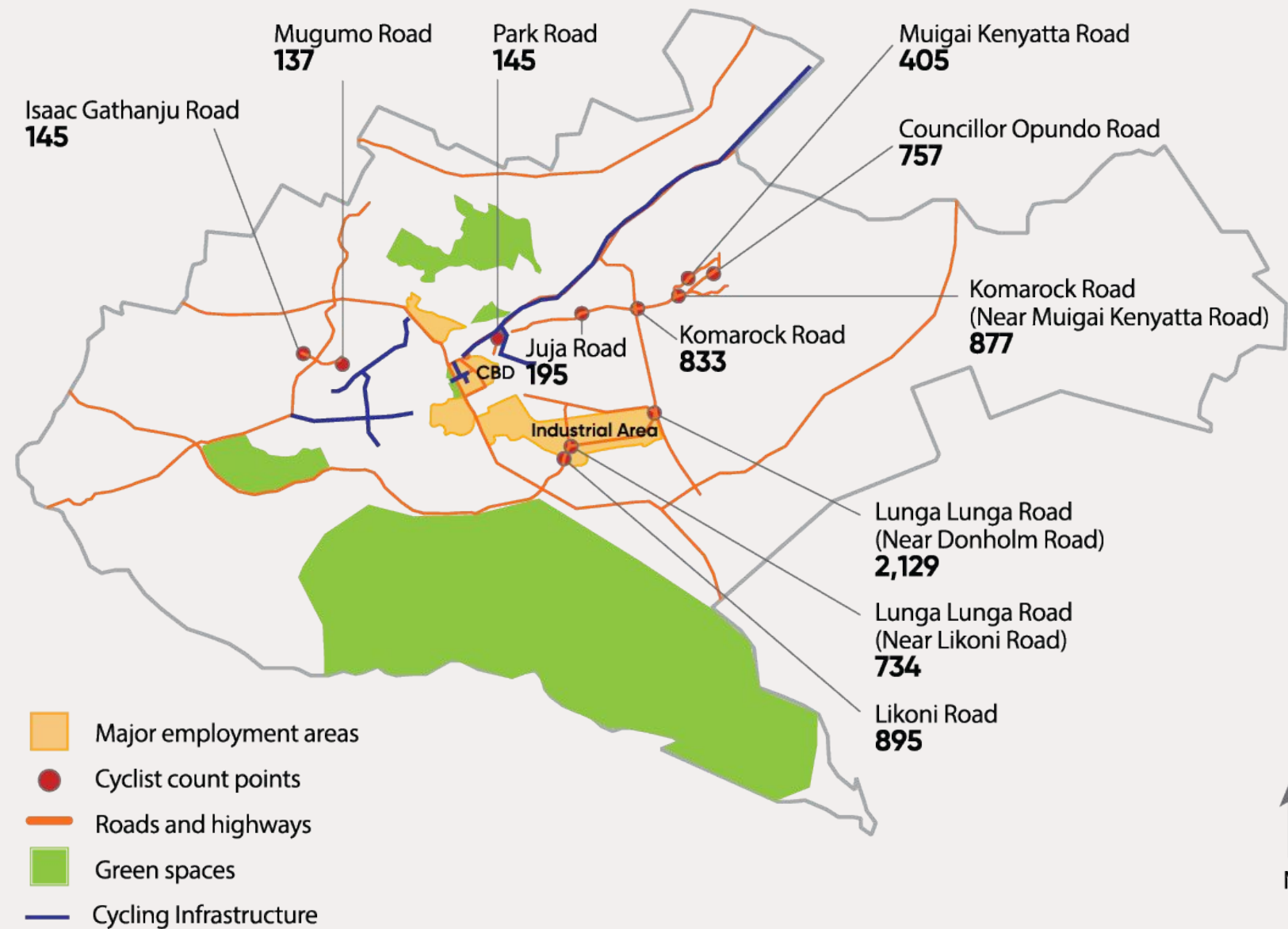
# Pedestrians

Nairobi's major NMT corridors showing number of pedestrians per day



# Cyclists

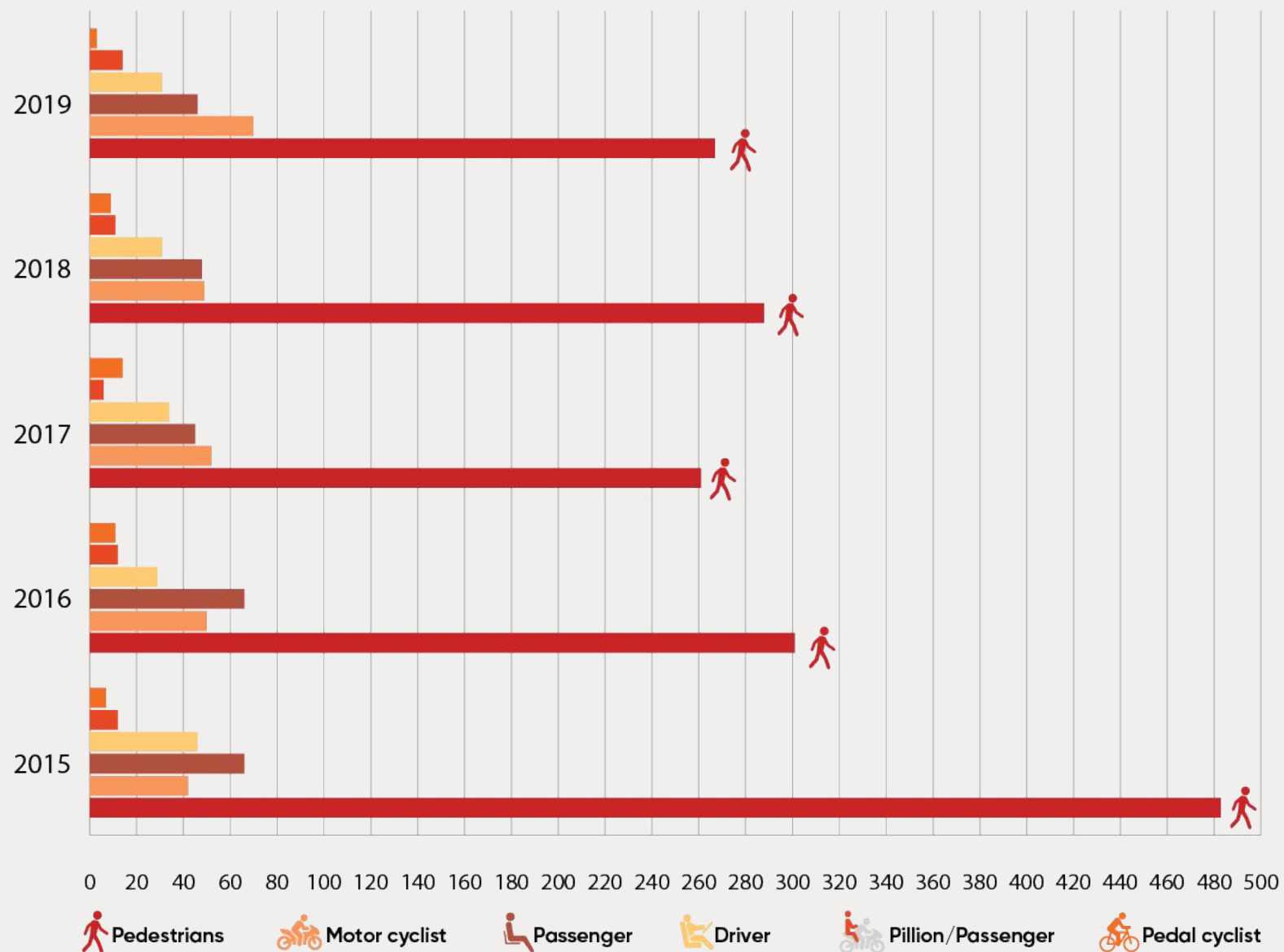
Nairobi's major NMT corridors showing number of cyclists per day





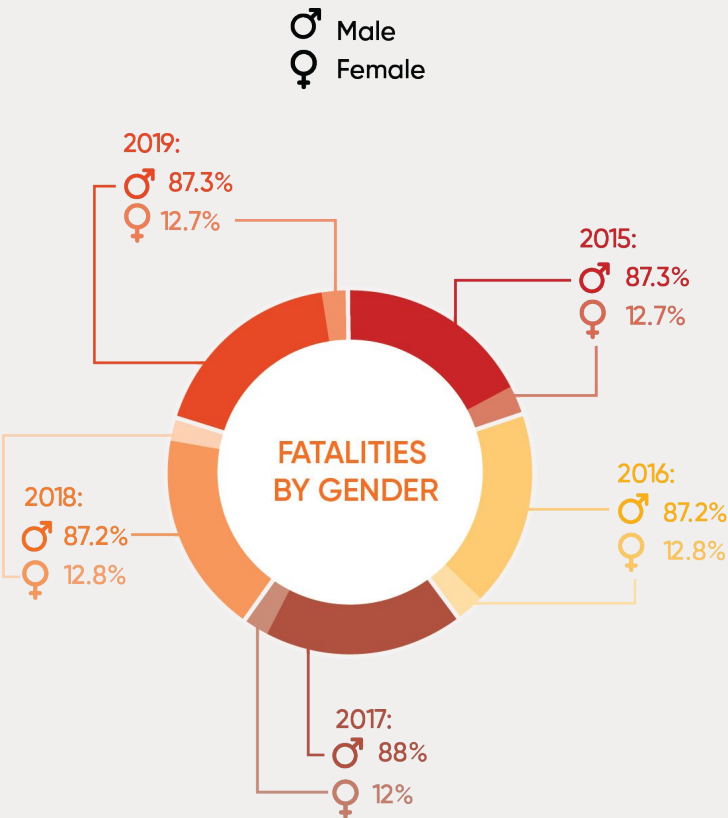
# Pedestrian Safety

Traffic fatalities by type of road users (2015-2019)



# Pedestrian Safety

Nairobi fatalities by gender/age (2015-2019)

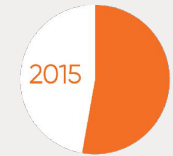
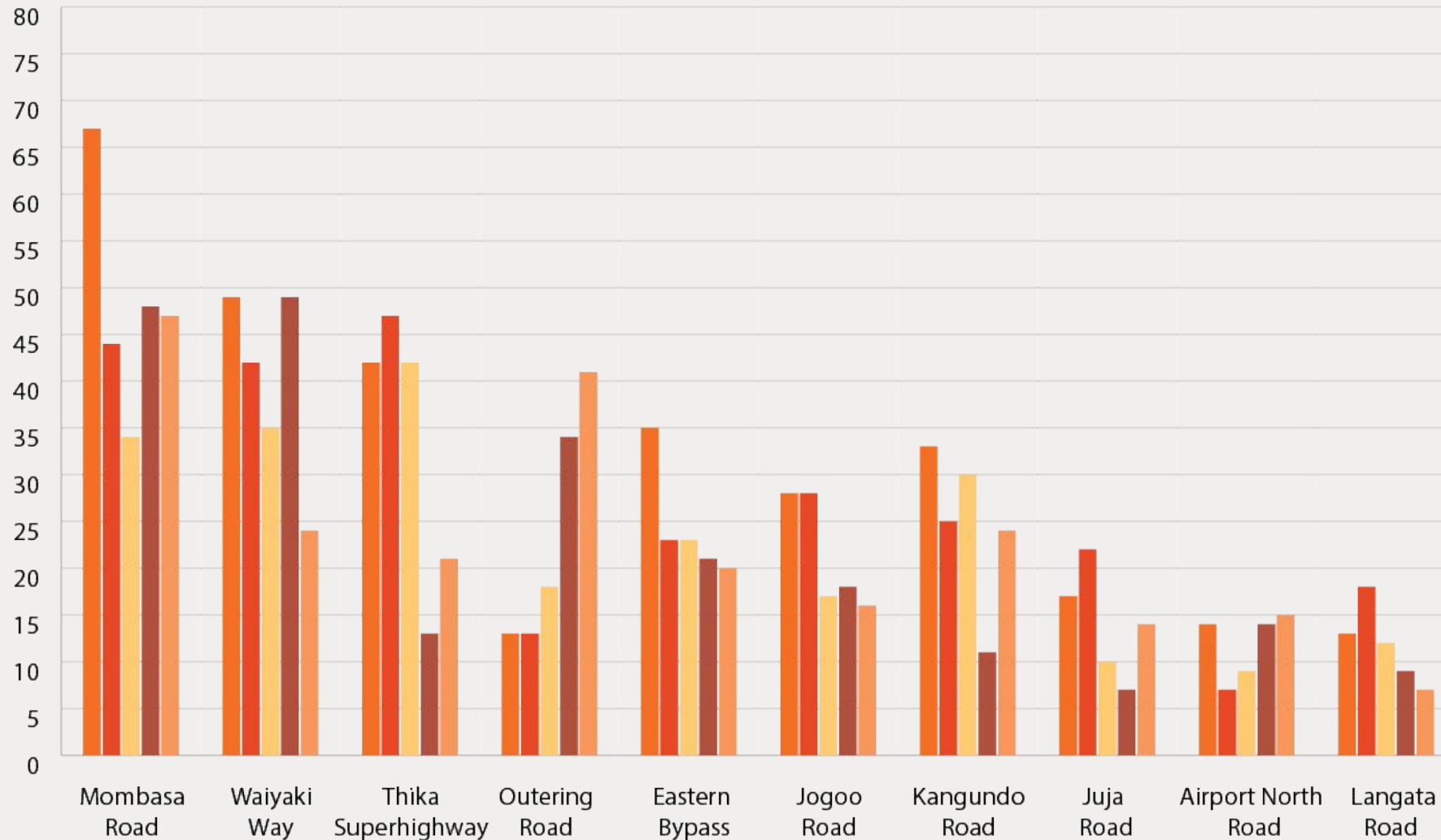


	0-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55+ years
2015	13	12	13	21	57	93	100	79	58	19	21	31
2016	4	7	5	8	21	54	43	30	23	7	5	18
2017	6	12	4	2	18	31	31	29	17	13	4	15
2018	2	6	7	9	33	38	39	39	19	9	12	21
2019	9	11	10	7	38	59	57	47	35	56	27	75

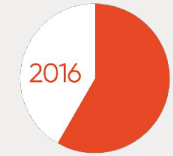


# Pedestrian Safety

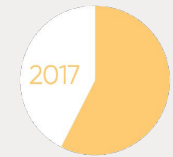
Nairobi's top 10 deadliest corridors (2015-2019)



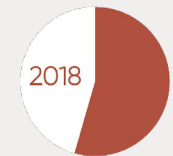
52.8%  
of all fatalities occurred  
on these corridors



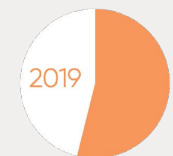
58.6%  
of all fatalities occurred  
on these corridors



57.5%  
of all fatalities occurred  
on these corridors



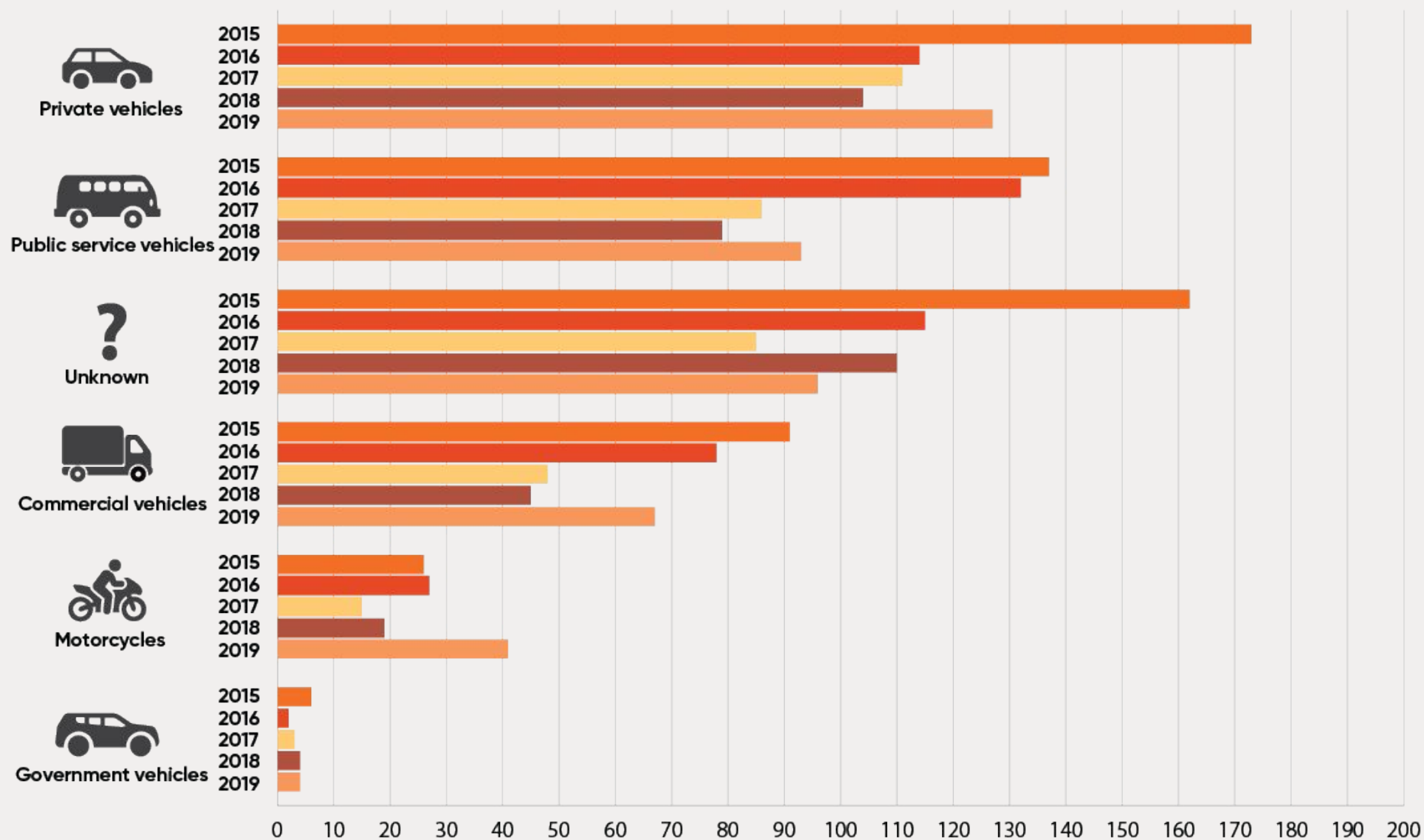
54.7%  
of all fatalities occurred  
on these corridors



54%  
of all fatalities occurred  
on these corridors

# Pedestrian Safety

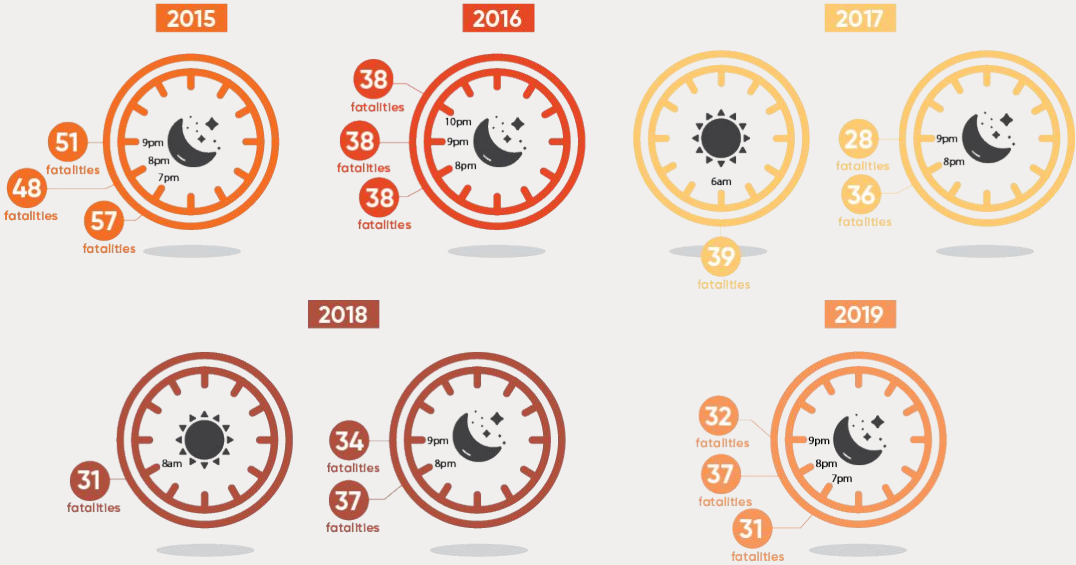
Types of vehicles causing road accidents in Nairobi (2015-2019)





# Pedestrian Safety

Days and Times of road accident occurence in Nairobi (2015-2019)



	MON.	TUE.	WED.	THU.	FRI.	SAT.	SUN.
2015	83	83	84	68	103	120	115
2016	70	48	51	53	64	96	87
2017	36	40	53	52	76	75	80
2018	51	52	54	46	68	75	92

# Pedestrian Safety

Pedestrian infrastructure challenges observed on major NMT corridors in Nairobi

Area	Motorists				Pedestrians		Infrastructure				
	Speeding	Careless driving	Encroaching on NMT spaces	Pick-up and drop-offs at non-designated zones (esp. PSVs)	Careless crossing	Crossing at non-designated zones which are dangerous	Lack of inadequate pedestrian paths	Lack of adequate pedestrian crossings	Footbridges being underutilized by pedestrians	Poor lighting especially at night	Lack of clear road signs
Mombasa Rd (Cabanas)	✓	✓			✓	✓	✓	✓	✓		
Waiyaki Way (Kangemi)	✓	✓	✓	✓	✓		✓	✓		✓	
Waiyaki Way (Uthiru)	✓	✓	✓		✓		✓	✓			
Waiyaki Way (James Gichuru)	✓	✓		✓			✓	✓			✓
Eastern Bypass	✓	✓	✓				✓	✓		✓	✓
Airport North Rd	✓	✓		✓	✓	✓	✓	✓	✓	✓	
Landhies Rd	✓	✓			✓		✓	✓		✓	
Outering Rd	✓	✓			✓		✓			✓	
Jogoo Rd	✓	✓			✓	✓	✓	✓			
Thika Superhighway (Shell station)	✓	✓	✓	✓	✓		✓				
Kangundo Rd	✓	✓		✓	✓		✓	✓			



# Launch



The Climate and Development Knowledge Network (CDKN) partnered with NMS to carry out a Study on “**Promoting NMT in Nairobi: A Study on Users, Safety and Infrastructure**”. Study was adopted and launched in July 2021.



# NMT Gains by NMS

Well-maintained footpaths and cycling paths on Kenyatta Avenue





# NMT Gains by NMS

Well-maintained footpaths and cycling paths on Muindi Mbingu Street.





# NMT Gains by NMS

Wide foot path from the Greenpark terminus





# NMT Gains by NMS

Well-maintained footpaths and cycling paths on Kenyatta Avenue





# NMT Gains by NMS

Well-maintained footpaths and cycling paths on Kenyatta Avenue



# NMT Gains by NMS

Well-maintained footpaths and cycling paths outside the Kenya National Parliament





# NMT Gains by NMS

Ongoing construction of footpaths and cycling paths on Muindi Mbingu Street.





# NMT Gains by NMS

Well-maintained footpaths and cycling paths on Processional Way.





# NMT Gains by NMS

A view of the footpaths and cycling paths on Wabera Street





# NMT Gains by NMS

Well-maintained greenery, footpath and cycling path on the Kenyatta Avenue-Muindi Mbingu junction





## Kisumu and Mombasa NMT peer Learning Forums





# Kisumu NMT Gains

Neatness and greenery





# Kisumu NMT Gains

Neatness and greenery





# Kisumu NMT Gains

Table top crossing as done





# Kisumu NMT Gains

Common service duct



# Kisumu NMT Gains

Ablution Block



## County Government of Kisumu

**City of Kisumu**

**Kisumu Urban Support Programme (KUSP) - Non Motorized  
Transport (NMT) Project  
Ablution Block**



# Mombasa NMT Gains

Wide footpaths





# Mombasa NMT Gains

Bike racks





# Mombasa NMT Gains

Composite signage





# Jogoo Road

Garbage





# Jogoo Road

Illegal pedestrian crossing





# Jogoo Road

Lack of accessibility of footbridge for persons with disabilities





# Jogoo Road

Encroachment by street vendors





# Jogoo Road

Air Pollution





# Outerring Road

Encroachment by motorists and street vendors





# Outerring Road

Illegal pick-up and drop-off by public service vehicles





# Outering Road

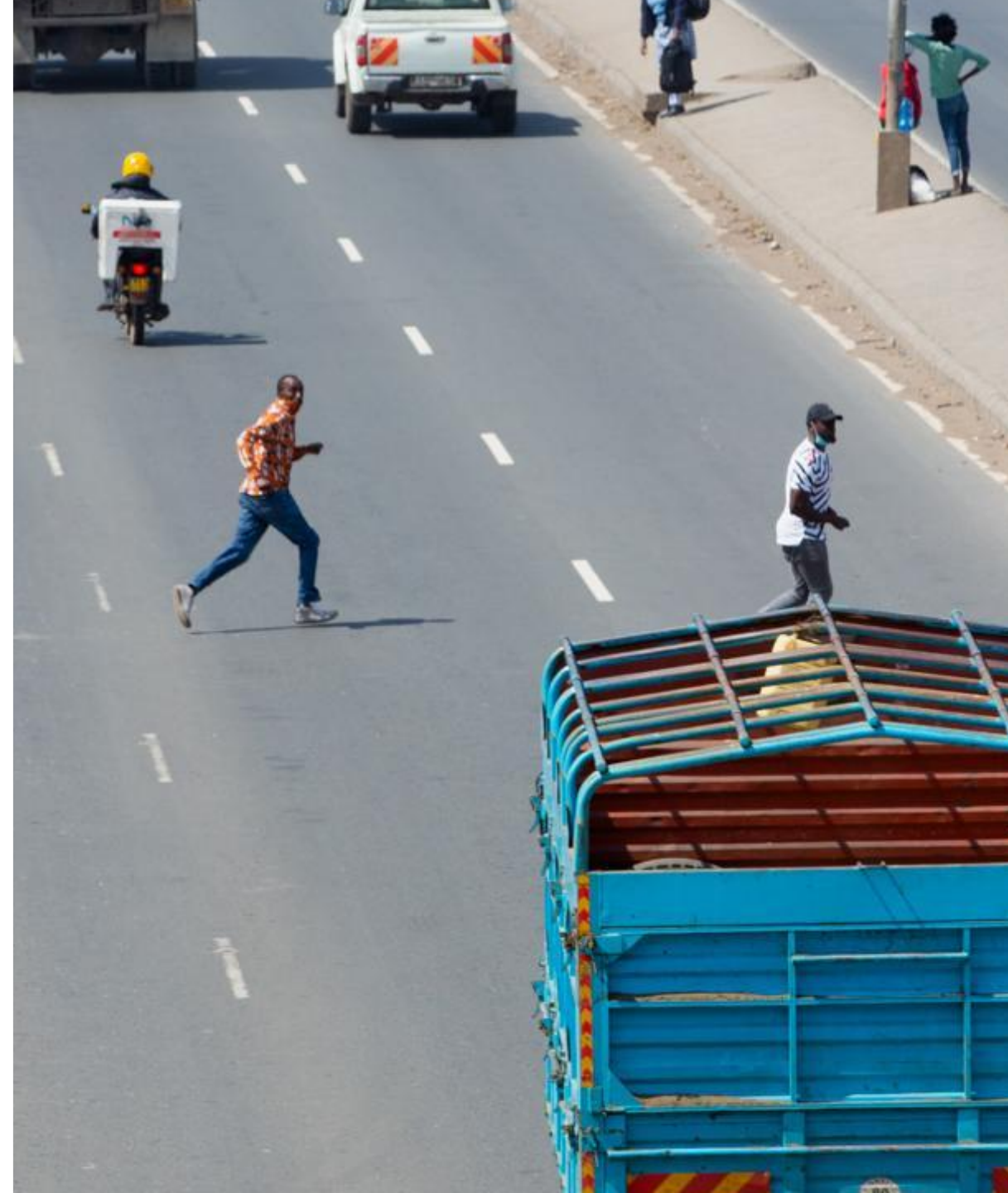
Illegal pick-up and drop-off by public service vehicles





# Outering Road

Illegal pedestrian crossing





# Lungalunga Road

Lack of designated crossing points





# Lungalunga Road

Encroachment by vendors





# Councillor Opundo Road

Lack of footpaths





# Councillor Opundo Road

Lack of drainage





# Muigai Kenyatta Road

Clogged drains





# Muigai Kenyatta Road

Clogged drains





# Ring Road Kilimani

Encroachment by vendors





# Ring Road Kilimani

Encroachment by vendors





# Nairobi NMT Gains

Areas for Improvement to Enhance the NMT Experience

While observing Nairobi's busiest and most dangerous corridors, the following trends to watch.



Illegal dumping  
of garbage and  
open burning.



Encroachment of  
NMT facilities by  
vendors and  
motorists.



Enforcement  
against speed  
limits.



Enforcement  
against pick-up and  
drop-offs at  
non-designated  
areas.



Enforcement  
against polluting  
vehicles.