







AFRICA ROAD SAFETY OBSERVATORY (ARSO) Annual General Assembly March 22 & 23, 2022

Africa Status Report on Road Safety, 2020



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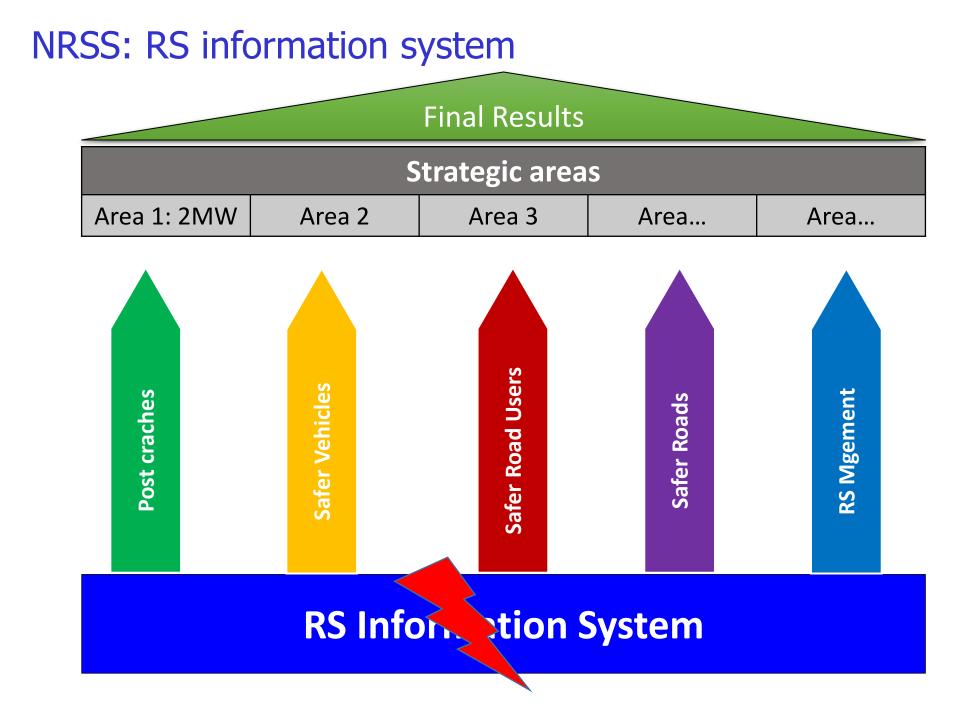
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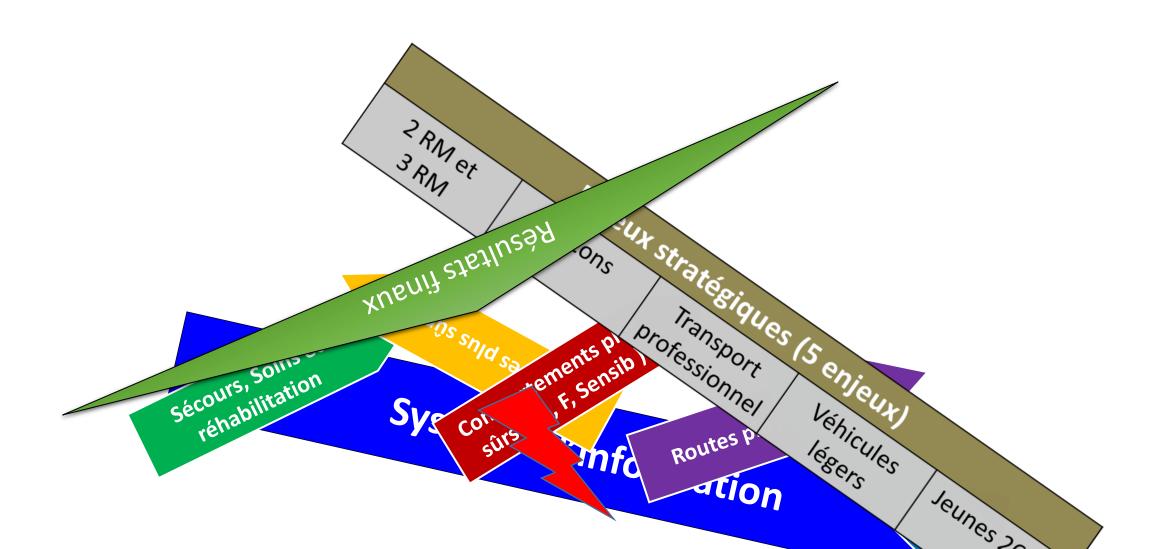


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NRSS: RS information system



Review of Data Collection in Africa



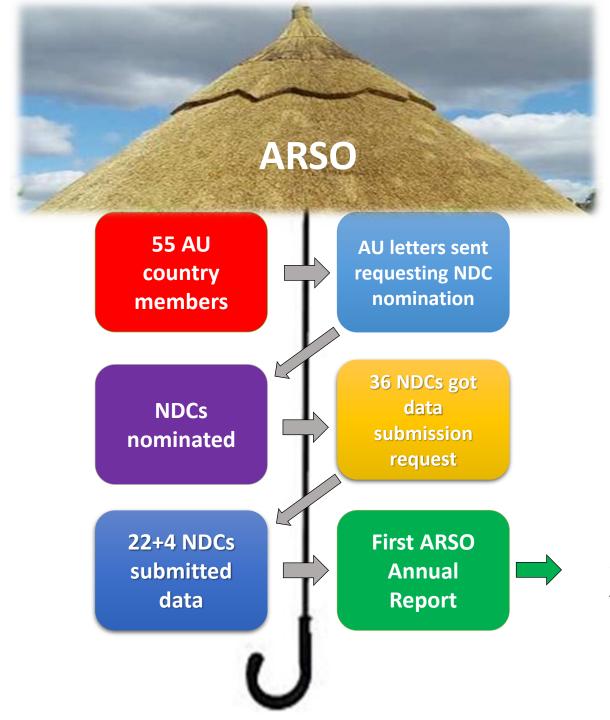




The goal of this report is to present structural framework for road safety data collection in African countries

Important note:

- This is not an ordinary crash data analysis report, but an aggregate report on the current RS situation in Africa (ARSO).
- The goal of this report is to convoy key messages on the different aspects of road safety in Africa.





MiniARSO

WHO's other road safety performance indicators. The survey contained 13 sections with over 100 questions

ARSO: the First Annual Report

Data gathering and data analysis only improve with practice.



The survey contained 13 sections with over 100 questions.

Thanks to a collaboration with WHO's pilot test of an online platform. Thanks to the other stakeholders.



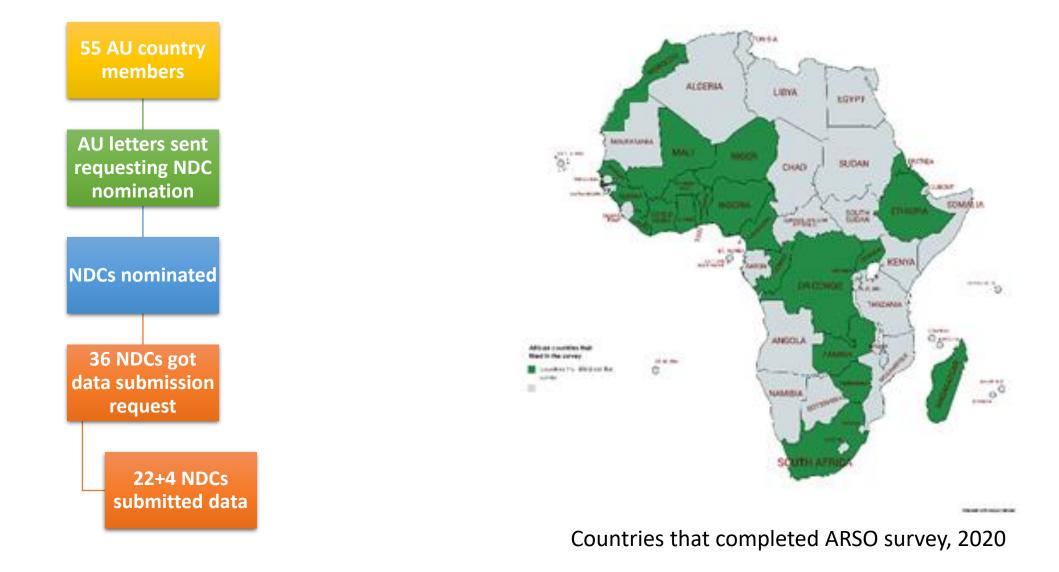
The process involved personalized log in information into an internet-based questionnaire.

The survey included MiniARSO data as well as WHO's RS performance indicators

03 06

Individuals where characterized either as data coordinators or data collaborators.

General information on the ARSO's pilot data collection



Years used for reporting by country

Out of the 26 countries submitting data, 12 submitted data for more than one year

Country	2019	2018	2017
Benin	Х	Х	
Burkina Faso	Х	Х	Х
Cameroon	Х		
Congo	Х		
Côte d'Ivoire	Х		
DRC	Х		
Eritrea	Х		
Ethiopia	Х		
Ghana	Х	Х	
Guinea	Х		
Guinea-Bissau		Х	Х
Liberia	Х	Х	
Madagascar	Х	Х	Х
Malawi			Х
Mali	Х	Х	
Morocco	Х	Х	Х
Mozambique		Х	
Namibia		Х	
Niger	Х	Х	Х
Nigeria	Х	Х	Х
Senegal	Х		
South Africa	Х		
Тодо	Х	Х	
Uganda	Х		
Zambia	Х	Х	Х
Zimbabwe	Х		

Table : Years used for reporting by country, as of November 2020

Main content of the report

- 1. General information on ARSO's pilot data collection
- 2. Trends in road crashes and deaths in Africa 2016-2019
- 3. Road crashes and deaths in Africa in natural year 2019
- 4. Number of crashes and fatalities
 - a. By population
 - b. By vehicle type
 - c. By age of vehicle
 - d. By road user type
 - e. Share by gender
 - f. By age group
 - g. By time
 - h. By vehicle function
 - i. By weather
- 5. Exposure to risk of road traffic crashes
- 6. Key performance indicators
- 7. Seatbelt
- 8. Legislation on key issues
- 9. National road safety strategies
- **10. Powered vehicles**
- 11. Infrastructure



Number of crashes and fatalities and time intervals used for fatality definitions:

Country			Type of victims	Time interval used for defining a road traffic	
	Injury crashes	Slightly injured	Seriously injured	deaths	death
Benin	3.172	2 297	2 029	810	Died within 30 days of crash
Burkina Faso	NA	NA	NA	978	Died at scene of crash
Cameroon	NA	NA	NA	1140	Died within 30 days of crash
Congo	Death crashes 177	3225	NA	266	Unlimited time following crash
Congo	NA	NA	NA	NA	NA
Côte d'Ivoire	12862	10507	10687	1465	Died within 30 days of crash
Eritrea	NA	NA	NA	NA	NA
Ethiopia	15529	7	7	5118	Died within 30 days of crash
Ghana	NA	NA	NA	NA	NA
Guinea	NA	NA	NA	NA	Died at scene of crash
Liberia	NA	NA	NA	NA	NA
Madagascar	1694	2802	2802	229	Died within 24 hours of crash
Mali	NA	NA	NA	NA	NA
Morocco	101644	139339	10003	3622	Died within 30 days of crash
Niger	6583	11917	11917	929	Died at scene of crash
Nigeria	35981	1265	6911	5483	Died within 30 days of crash
Senegal	17213	17	27465	745	Died at scene of crash
South Africa	NA	NA	NA	12503	Died within 30 days of crash
Тодо	NA	NA	NA	NA	NA
Uganda	10810	1	9	3880	Died within 30 days of crash
Zambia	10115	8	5	1746	365 days as defined by the primary data source
Zimbabwe	NA	NA	NA	NA	NA

Comparison between reported data and the last WHO Global Status

	WHO estimated	Country reported	Country reported
Country	2018	2016	2019
Burkina Faso	5686	878	978
Cameroon	7066	1879	1140
Congo	1405	308	266
Côte d'Ivoire	5582	991	1465
Ethiopia	27326	4352	5118
Madagascar	7108	340	229
Niger	5414	978	929
Nigeria	32076	5053	5483
South Africa	14507	14071	12503
Uganda	12036	3503	3880
Zambia		N/A	1746

Number of fatal crashes by type of vehicle involved

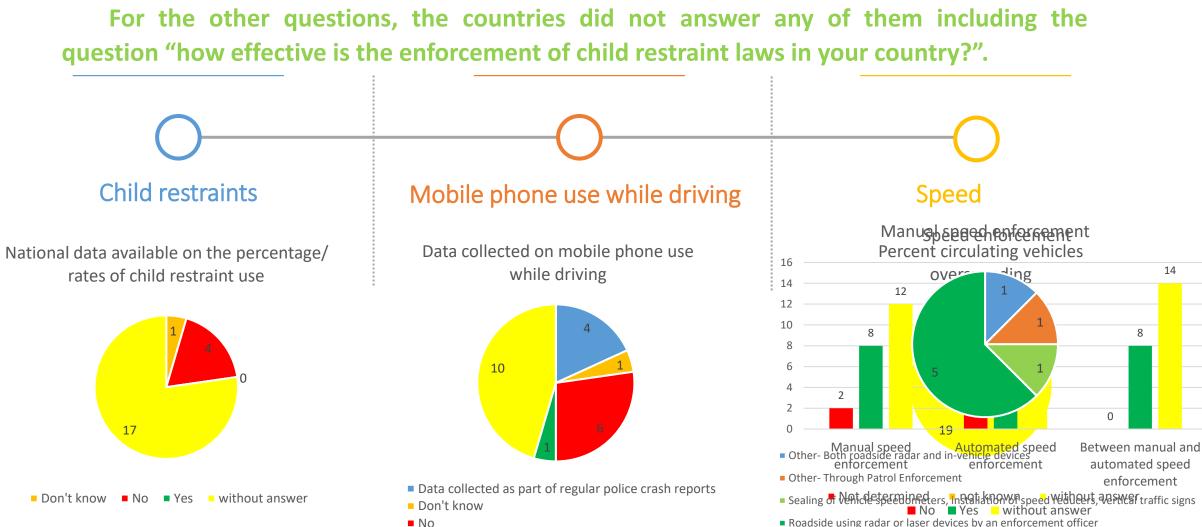
	Number of fatal crashes where																
Country	is	bicycle olved	other motor vehicles involved		moto vehio		passeng er cars are involved	bus /trol invol		3.5 t) goods (goods (less than or heavy (more than involved		is	unknown type vehicle involved	of is	vehicle operated by animals is involved	Total
Ethiopia							1	1		1		148		142		35	328
lvory Coast	5				144		193	127									469
South Africa	112	2	5		256		4469	201		1081		2322		1033		3	9482

Nine countries declared that they collect data about Number of fatal crashes by type of vehicle involved. However, they did not fill in this data.

More details are given in the report describing road crashes and deaths by :

- Road user type
- Gender
- Age group
- Time
- Main activities of drivers
- Vehicle function
- Weather

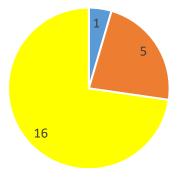
Seatbelt	Country	National Safety-belt Law	Safety-belt wearing rate	Remark
	Benin	No	-	
	Burkina Faso	Yes	-	Applies to front and rear seat occupants with moderate enforcement
	Cameroon	Yes		Moderate usage
	Congo	Yes	4% front seats, 4% Rear seats	Low/limited enforcement
	Congo - DRC	Yes		Limited/little enforcement
	Côte d'Ivoire	Yes		п
	Eritrea	Yes	80% for both seats	High enforcement
	Ethiopia	Yes	<1% all occupants	Moderate usage/enforcement
	Ghana	Yes	18% Front seats and 4% Rear seats	Limited/little enforcement
	Guinea	Yes		
	Liberia	No		
	Madagascar	Yes		Moderate usage/enforcement
	Mali	Yes	20% Drivers	Limited enforcement
	Morocco	Yes	63% Front and 22% Rear seats	High enforcement
	Niger	No		-
	Nigeria	Yes		High enforcement
	Senegal	Yes	-	Moderate usage/enforcement
	South Africa	Yes	33% Drivers and, 31% Front seats	"
	Тодо	Yes		п
	Uganda	Yes		Limited/little enforcement
	Zambia			
	Zimbabwe	Yes		High enforcement



Roadside using radar or laser devices by an enforcement officer

Alcohol consumption

mechanisms used to enforce drink-driving laws



All random breath tests (population) throughout the year

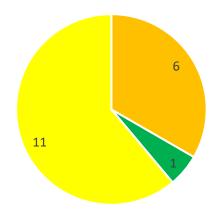
- Use of breath testing at specific locations or times
- without answer



Alcohol consumption test

Drug consumption

Drugs consumption test



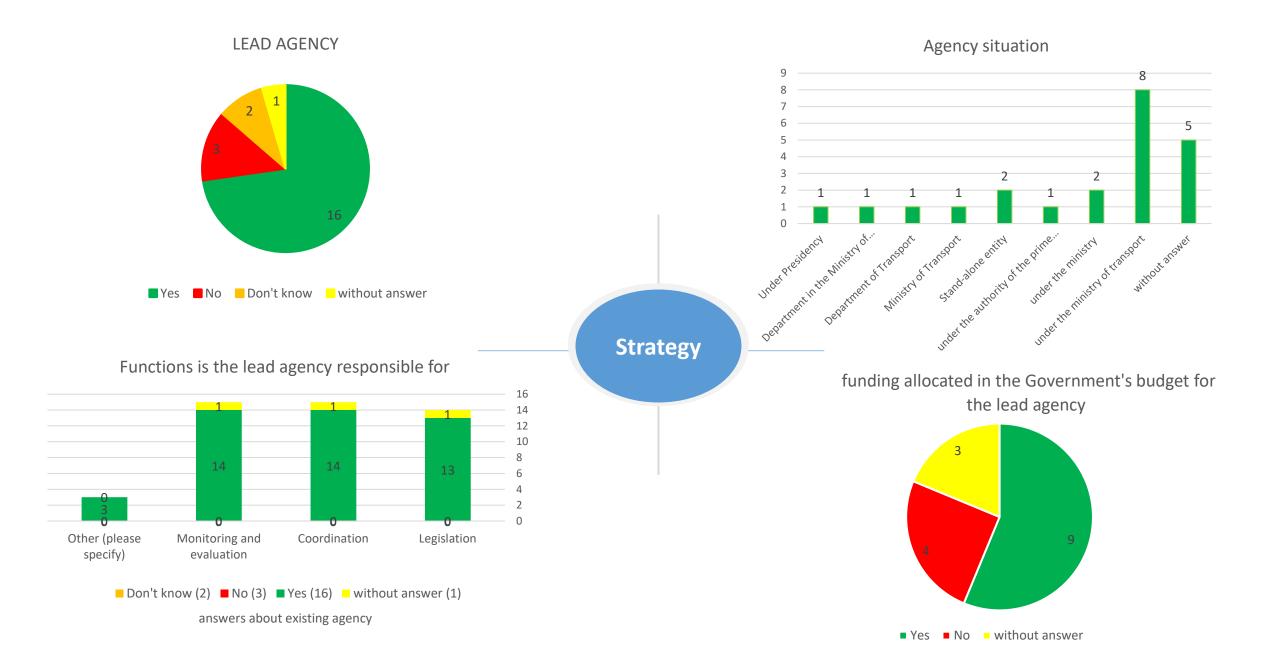
Some drivers are tested Yes, all drivers are tested without answer

■ No ■ Some drivers are tested ■ Yes, all drivers are tested ■ without answer

Legislation on key issues

Country	Legislation that specifies national speed limits	Is alcohol consumption (by adults) legally prohibited	National drink- driving law	Is there a national law that restricts the use of drugs while driving	legislation	National legislation requiring seatbelt	National legislation regulating the use of mobile phones	Vital registration /death certification system	Trauma registry	National legislation requiring the use of child restraints
Benin	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	National registry	No
Burkina Faso		Yes								
Cameroon	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes		No
Congo										
Côte d'ivoire	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Do not know	Do not know	Do not know
DRC										
Eritrea										
Ethiopia	Yes	Yes	Yes	Yes		Yes	Yes	Yes		Yes
Ghana										
Guinea	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No		No
Liberia										
Madagascar	Yes	No	Yes	Yes	Yes	Yes	Yes	No	National registry	No
Mali										
Morocco	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Niger	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	National registry	Yes
Nigeria	Yes	No	Yes	Yes	Yes	Yes	Yes	Do not know	Do not know	Yes
Senegal	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	National registry	
South Africa	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	National registry	Yes
Тодо										
Uganda	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Some scattered facilities	No
Zambia	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	None	Yes
Zimbabwe										
Total_Unknown	0	0	0	0	0	0	0	2	2	1
Total_No	0	8	0	0	0	1	0	2	1	6
Total_No	9	8	9	9	10	9	9	9	12	10
answer										
Total Yes	13	6	13	13	12	12	13	9	7	5

National road safety strategies



National road safety strategies

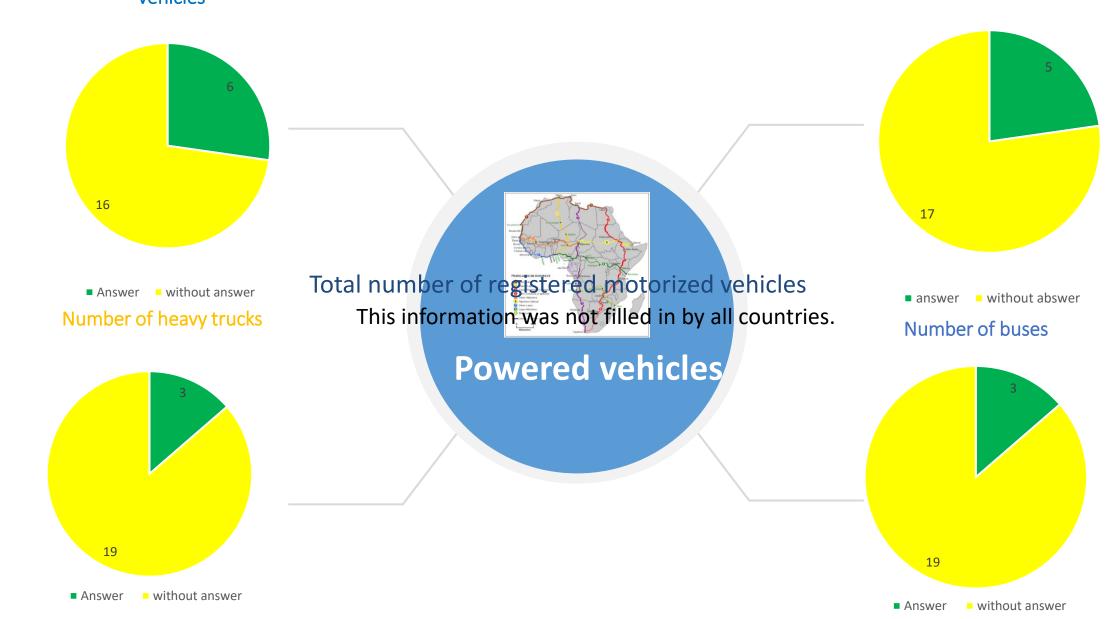
Country	National strategy	National o local	r Period	Does this strategy set target for killed	Target for killed	Does this strategy set target for seriously injured	-
Benin							
Burkina Faso							
Cameroon			2019-2023	Yes		Yes	
Congo							
Côte d'ivoire			2020-2025	Yes	25% reduction of fatalities	Yes	25% reduction of fatalities
Democratic republic				Yes	Do not know	Yes	
of the congo							
Eritrea							
Ethiopia		National	2011-2020	Yes	27 fatalities per 10,000 vehicles	No	
Ghana							
Guinea				No	Do not know	No	
Liberia							
Madagascar		National	2012-2020	Yes	5% reduction of fatalities	Yes	5% reduction
Mali							
Morocco		National		Yes	50% reduction in fatalities between 2017 and 2026	No	
Niger		National		No		No	
Nigeria		National	2021-3030	Yes		Yes	
Senegal			2011-2020	Yes		Yes	
South Africa		National	2010-2030	Yes	50% reduction of fatalities	No	
Тодо							
Uganda		National					
Zambia		National	By 2020	Yes	50% reduction of fatalities	Yes	Reduce serious injuries by 2020
Zimbabwe							



Powered vehicles

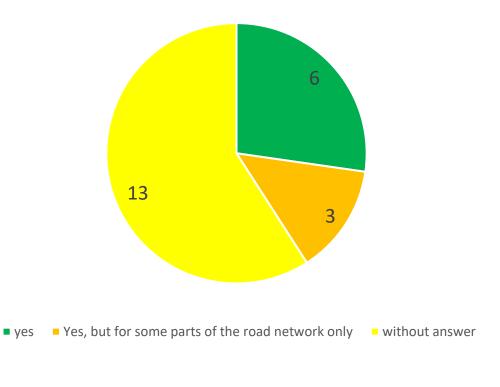
Number of motorized two-wheeled or three-wheeled vehicles

Number of 4 wheeled powered vehicles

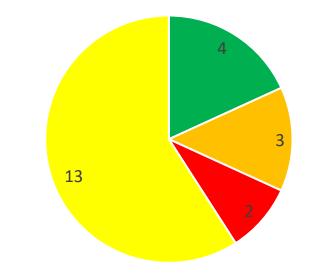


Safety audit and standards

formal road safety audit and/or star/ safety rating assessment prior to construction



Design standards provide for roads where pedestrians and cyclists are present



- Managing speed to safe system outcomes (e.g. 20 mph or 30 km/h)
- Safe crossings for pedestrians and cyclists
- Separation of pedestrians and cyclists from vehicular traffic
- without answer

Infrastructure

Public road network that meets safety standards for 2-3 Proportion of national road networks underwent star rating/ wheel powered vehicles safety rating assessments during 2019 13 14 12 10 affirmed 8 Niger that 40% of public road 3 1 network meets safety Ω 2-3 standards for < 20% > 50% 20-50% without answer without answer < 20% without answer wheel-powered Formal road safety inspections/ assessments Maintenance Star rating/ without answer vehicles. safety safety rating inspections assessments 20 Five countries use formal road safety inspections/ assessments, three countries use maintenance safety inspections and only one country uses start rating/ safety rating assessments. Not determined _____ without answer YES Infrastru existing public road network that meets safety standards cture existing public road network that meets safety standards for 4 for pedestrians wheeled powered vehicles Niger affirmed that 80% of Niger claimed that existing public road network **40%** of e existing meets safety standards for 4 public road network wheeled powered vehicles, that meets safety followed by Nigeria by standards for **59%** of existing public pedestrians, followed road. by Nigeria by 20% of existing public road

Conclusions









Thank you! AFRICA STATUS REPORT ON ROAD SAFETY, 2020

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