WEBINAR

‘Addressing Risks & Prevention Measures of Livestock Sector’

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State of Livestock in OIC Member Countries

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Overview

01 Status of Livestock

02 Production and Consumption

03 Trade in Livestock Products and Food Security

04 Development Flows and Climate Change

05 Risks and Mitigation Strategies

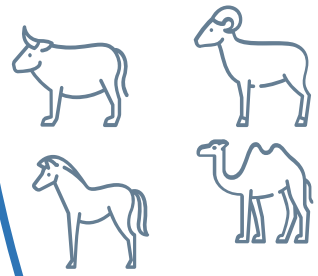
Status of Livestock, 2022

Number of Mammals

5.6 Billion
Global Stock

Types

- ***Cattle***
- ***Sheep***
- ***Goats***
- ***Buffalo***
- ***Camels***
- ***Rabbits and Hares***
- ***Others***



1.7 Billion

Stock in OIC Countries

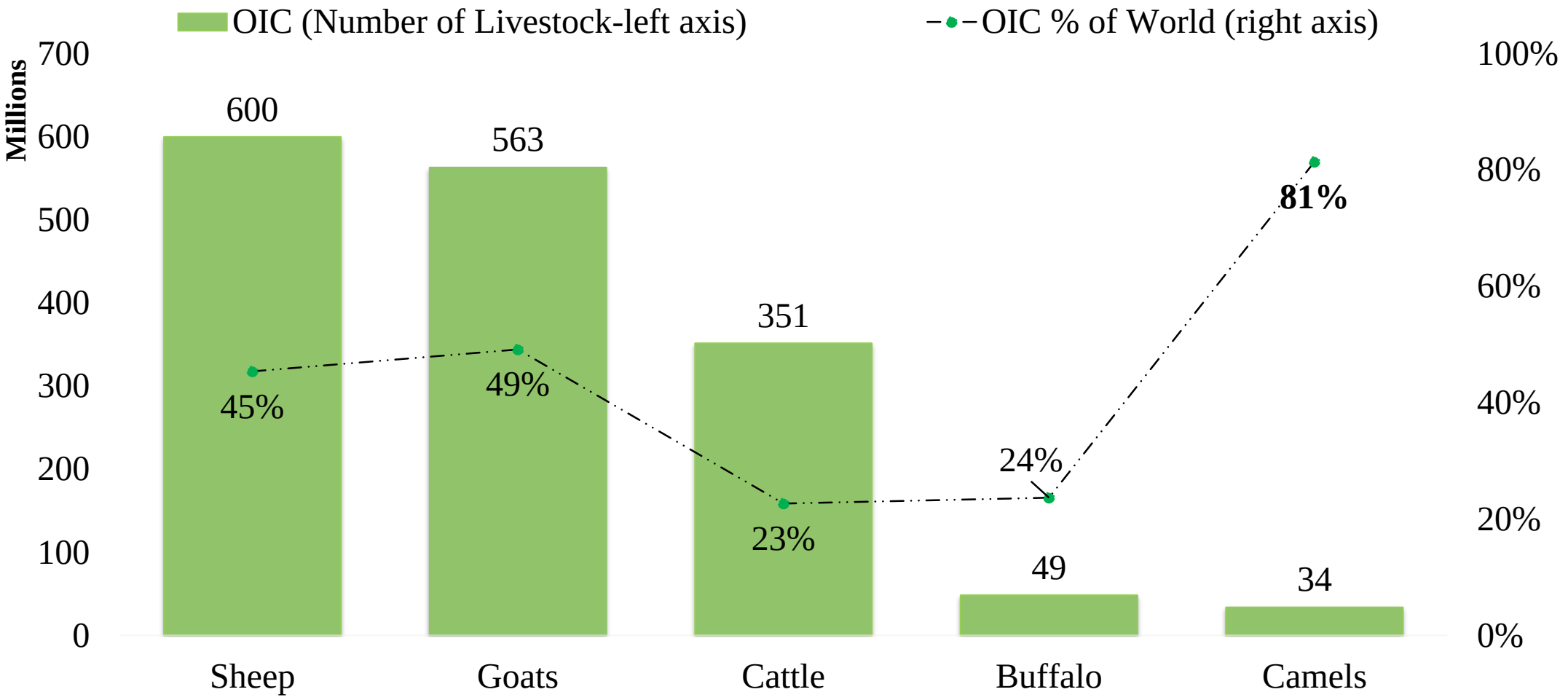
30%

Share of OIC Countries in Global Stock

Source: SESRIC Staff calculations based on FAOSTAT Online Database

Status of Livestock, 2022

Number of Major Mammals in OIC Countries

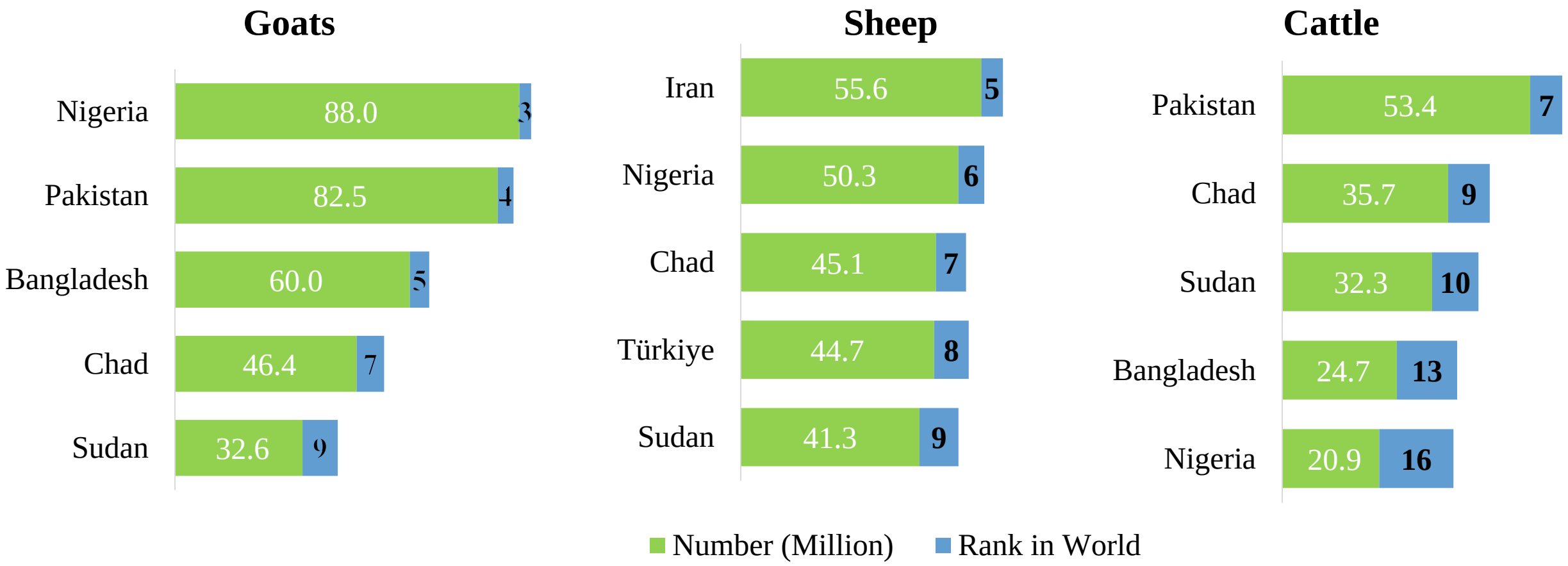


With 81%, OIC countries hold the ***largest share*** of the global ***camel stock***.

Source: SESRIC Staff calculations based on FAOSTAT Online Database

Status of Livestock, 2022

Top 5 OIC Countries & their World Ranks



Source: SESRIC Staff calculations based on FAOSTAT Online Database

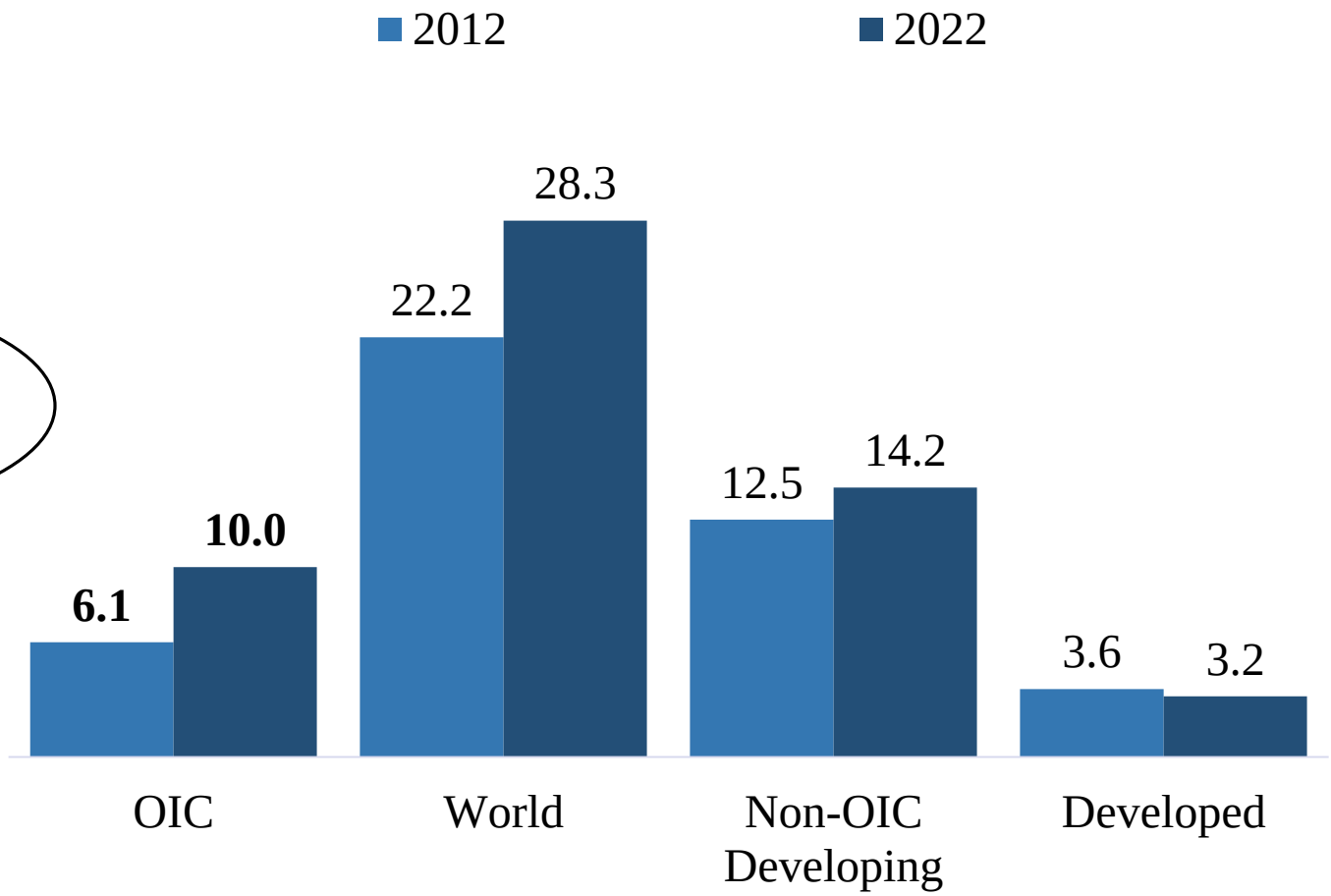
Total Number of Livestock, 2022

Poultry (Billion)

Major Types in OIC Countries

1. Chickens
2. Ducks
3. Turkeys
4. Geese

OIC Countries Share in the World Total
35.4%



Source: SESRIC Staff calculations based on FAOSTAT Online Database

Poultry Stock in OIC Countries, 2022

9.8 Billion
Chickens
Share in the World 37%

40 Million
Turkeys
Share in the World 16%

151 Million
Ducks
Share in the World 13%

21 Million
Geese
Share in the World 6%

Source: SESRIC, State of Youth in the OIC Member States 2024 (forthcoming).

Poultry Stock Numbers, 2022

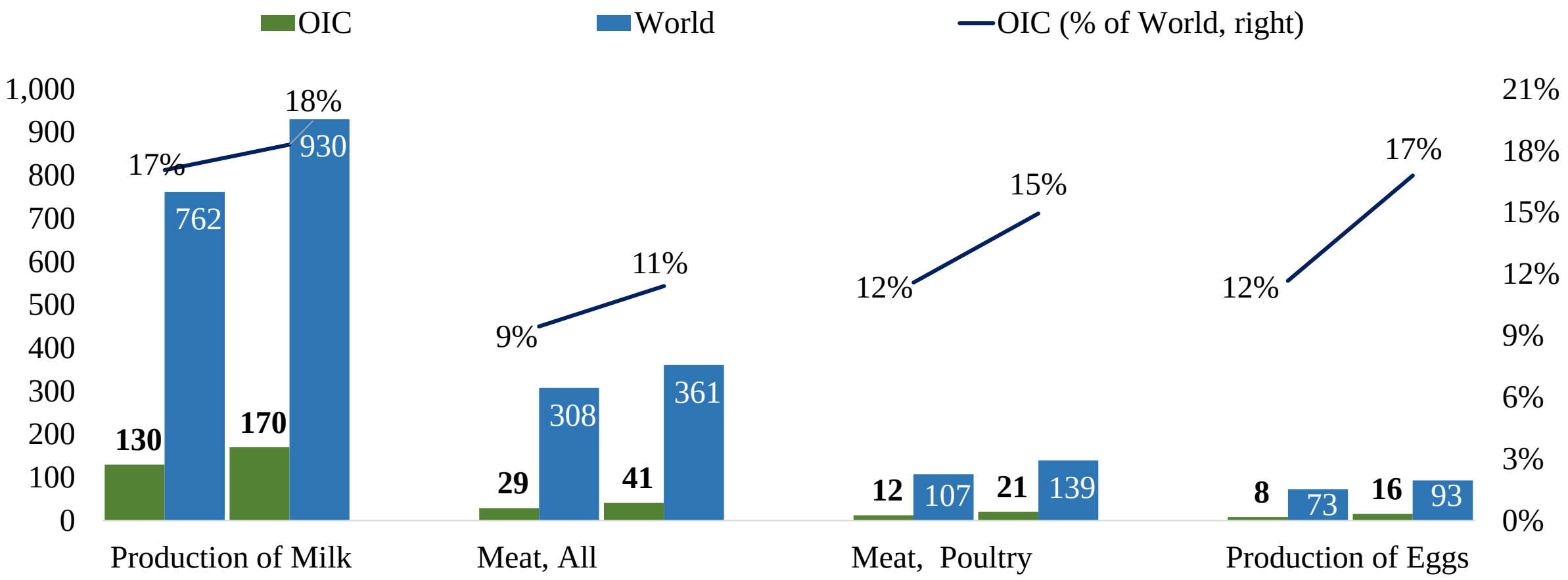
Top 5 OIC Countries & their World Ranks

Chickens			Ducks			Turkeys			Geese		
Country	Number (Million)	Rank in World	Country	Number (Million)	Rank in World	Country	Number (Million)	Rank in World	Country	Number (Million)	Rank in World
Indonesia	3,482	**2**	***Bangladesh***	63.8	**3**	***Morocco***	13.4	**5**	***Mozambique***	15.4	**2**
Pakistan	1,725	**3**	***Indonesia***	58.4	**4**	***Tunisia***	13.0	**6**	***Egypt***	3.0	**7**
Iran	1,037	**6**	***Malaysia***	9.7	**12**	***Türkiye***	3.7	**12**	***Türkiye***	1.4	**8**
Türkiye	361	**11**	***Egypt***	7.3	**17**	***Kazakhstan***	2.6	**16**	***Iran***	1.0	**10**
Bangladesh	312	**13**	***Pakistan***	3.9	**22**	***Iran***	2.0	**19**	***Algeria***	0.05	**24**

Source: SESRIC Staff calculations based on FAOSTAT Online Database

Production and Consumption

Production of Livestock Products (Million Metric Tons), 2012 vs 2022

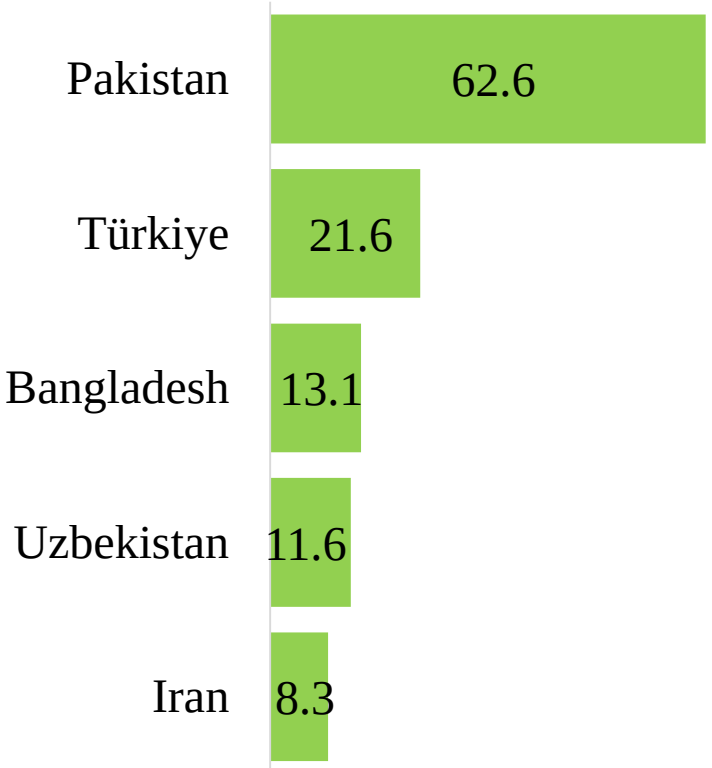


Source: SESRIC Staff calculations based on FAOSTAT Online Database

Production and Consumption

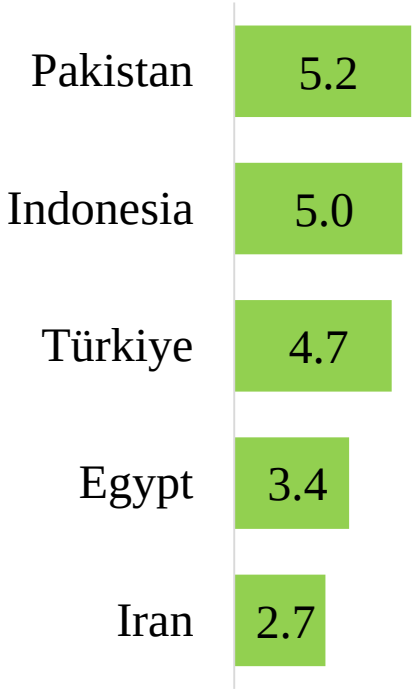
Top 5 Producers in OIC Countries, 2022

Milk (Million Tons)



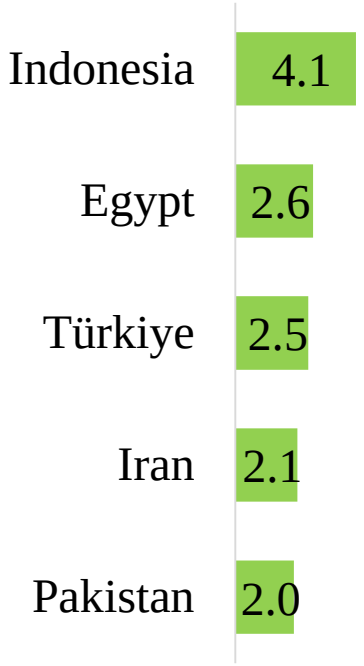
69% of OIC countries Total

Meat (Million Tons)



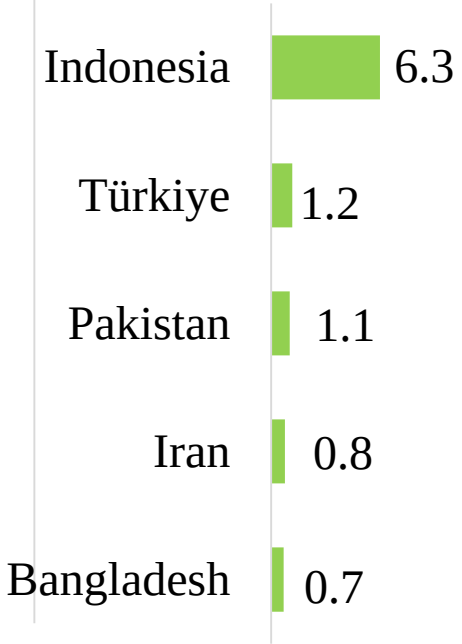
51% of OIC Countries Total

Poultry Meat (Million Tons)



64% of OIC Countries Total

Eggs (Million Tons)

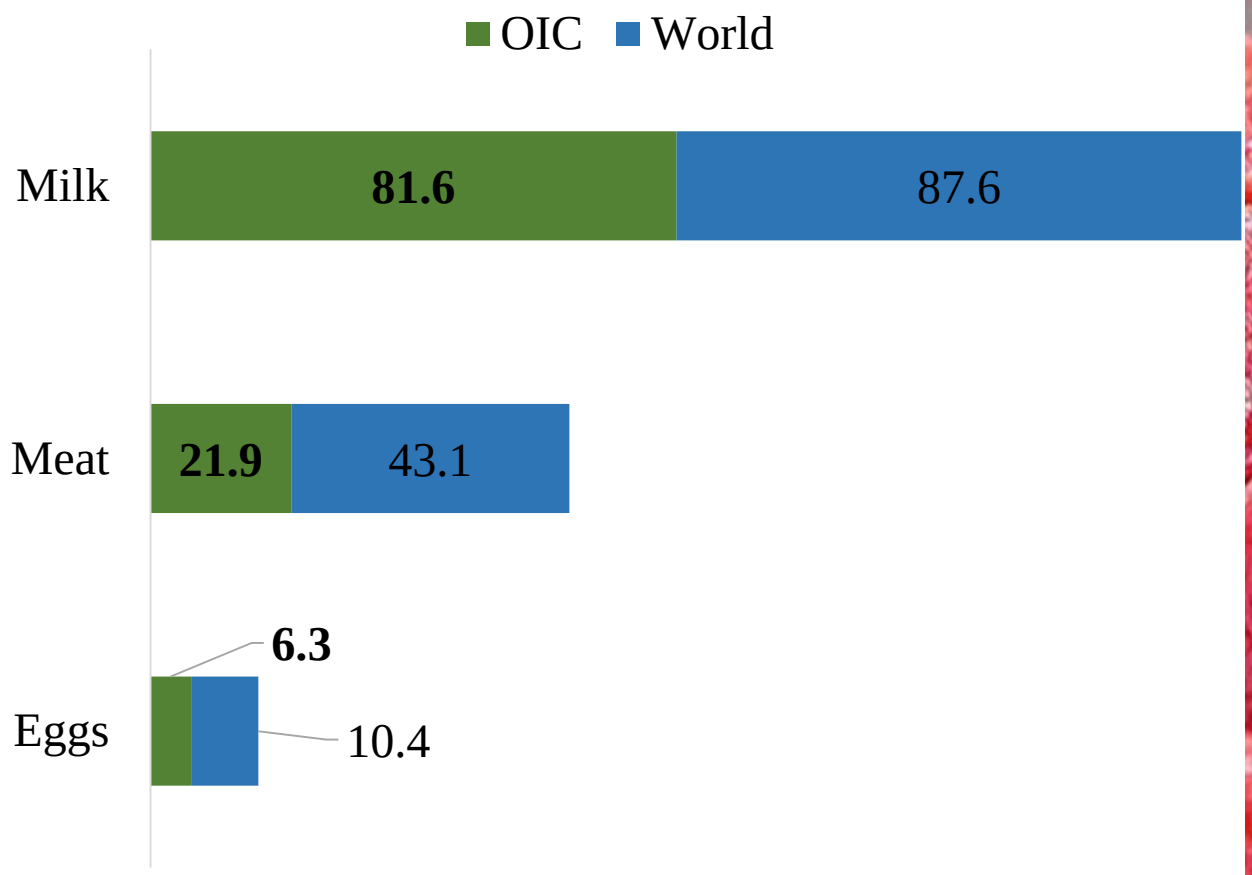


65% of OIC Countries Total

Source: SESRIC Staff calculations based on FAOSTAT Online Database

Production and Consumption

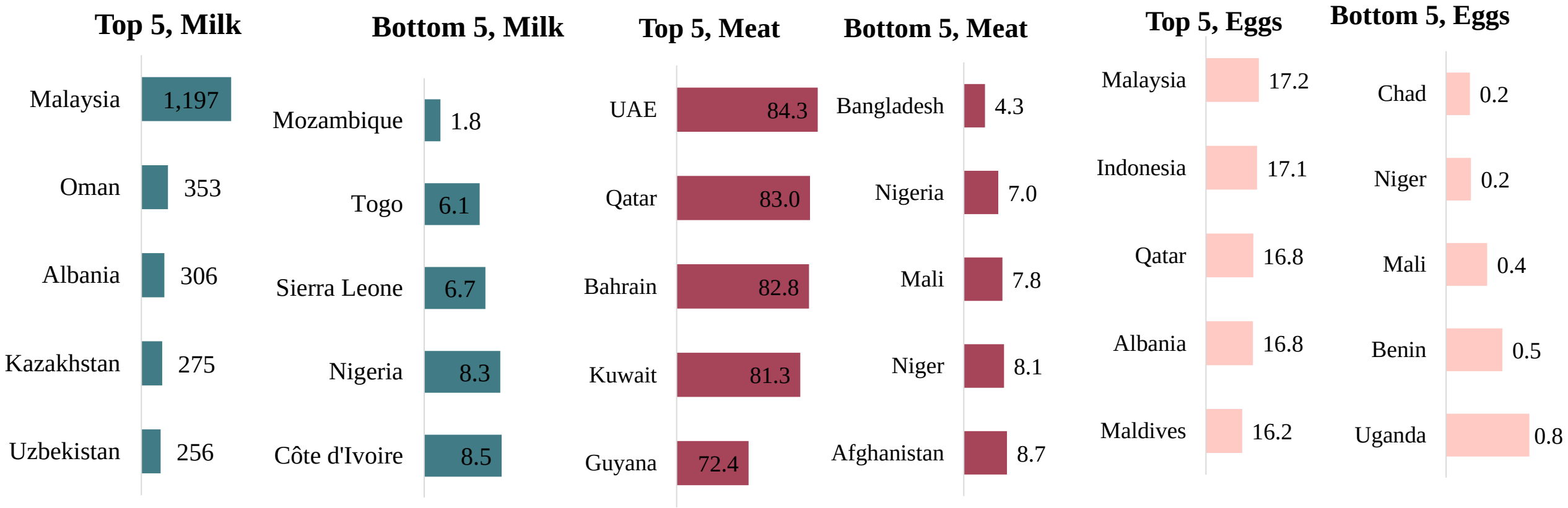
Per capita Milk, Meat, and Egg consumption in OIC Countries (Kg/Capita/Yr), 2021



Source: SESRIC Staff calculations based on FAOSTAT Online Database

Production and Consumption

Top and Bottom OIC Countries in Per Capita Milk, Meat, and Egg Consumption, 2021

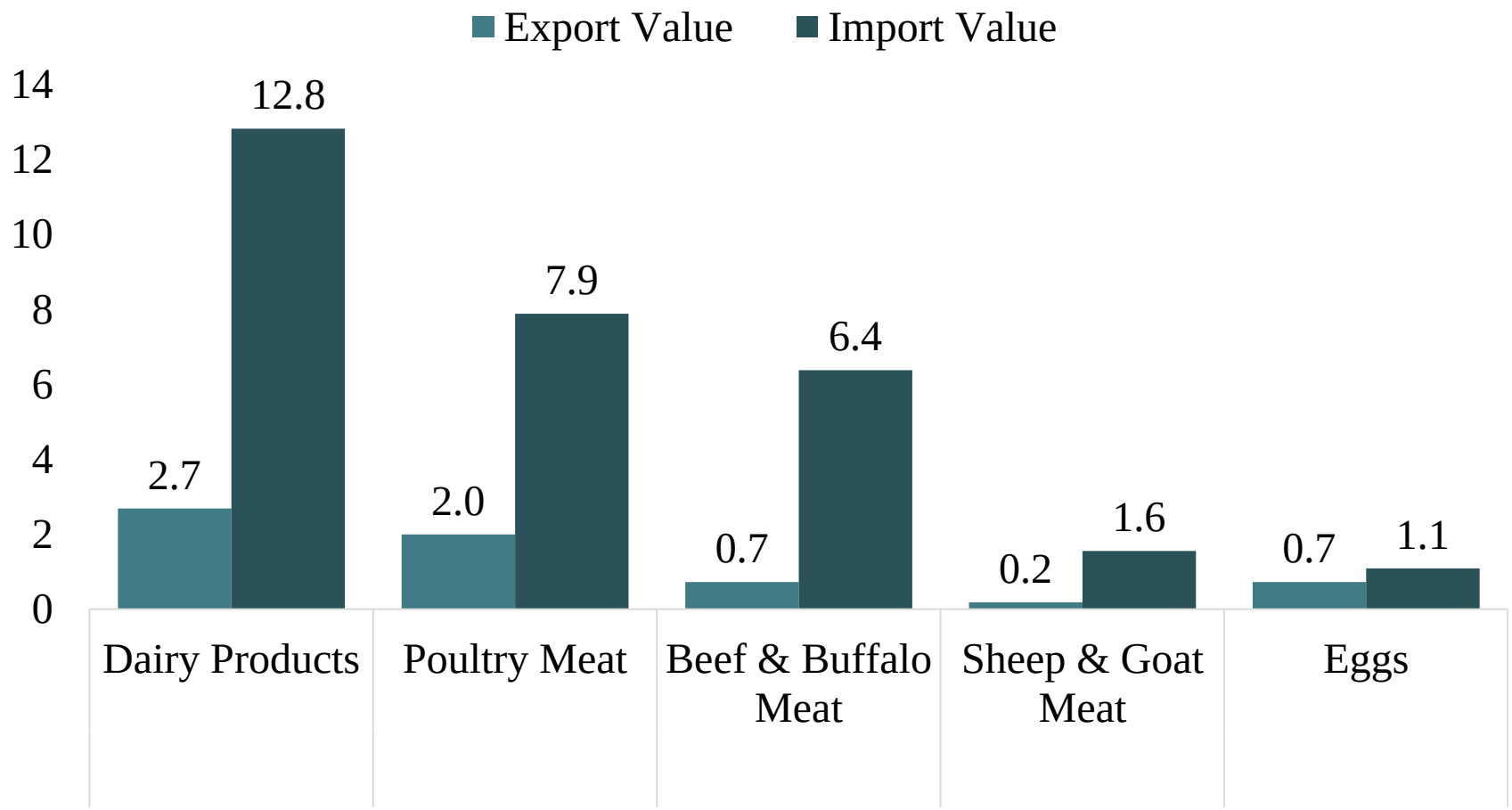


Source: SESRIC Staff calculations based on FAOSTAT Online Database

Trade in Livestock Products

Trade in Livestock Products in OIC Countries, (Billion USD), 2022

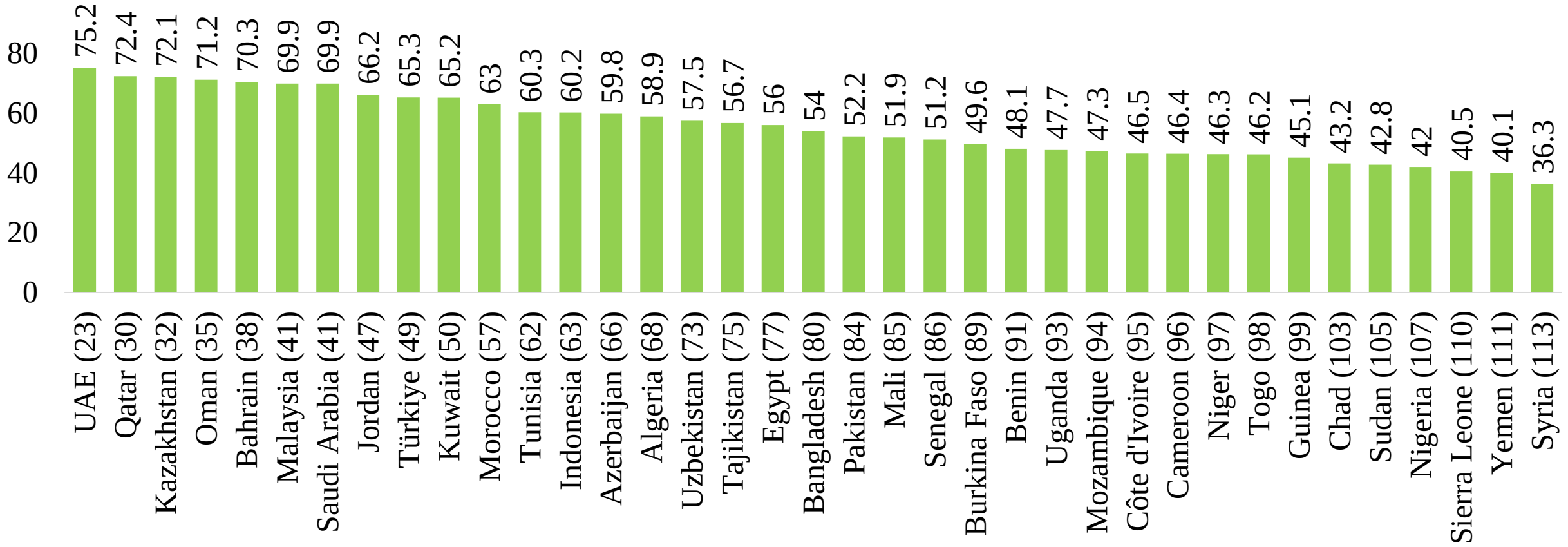
***Trade Imbalance in Livestock Products**: Imports **Surpass** Exports in 2022*



Source: SESRIC Staff calculations based on FAOSTAT Online Database

Food Security

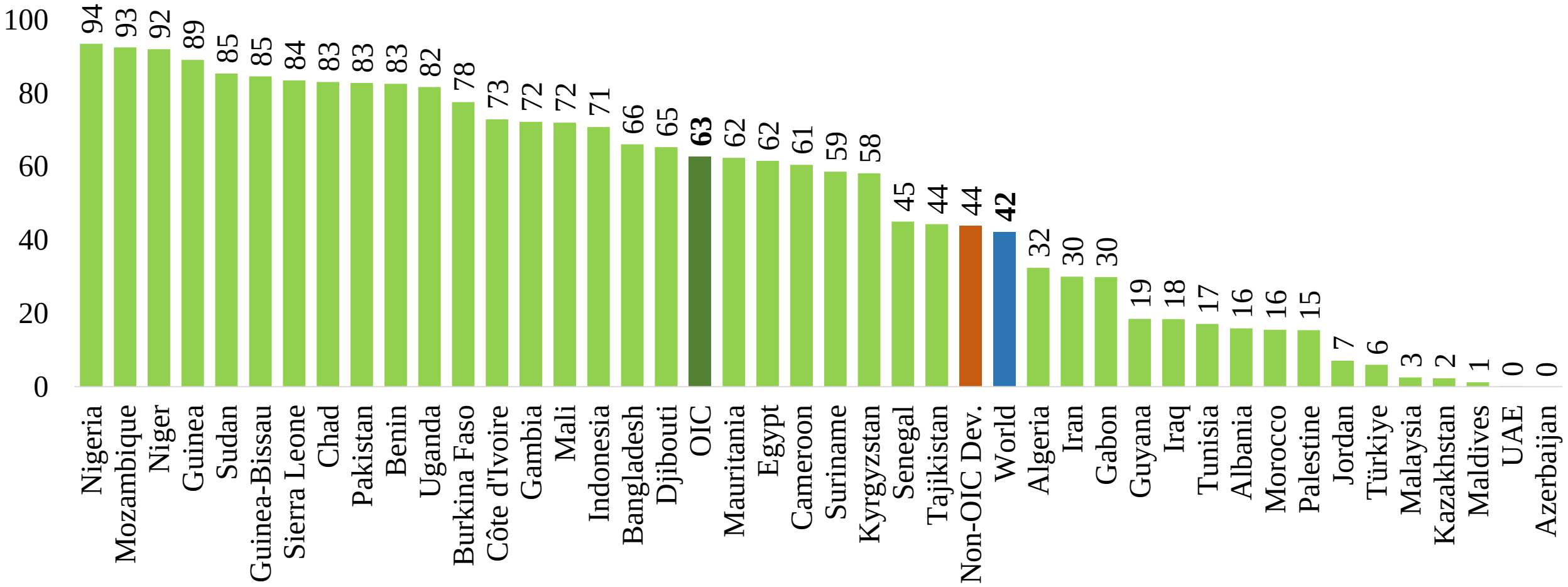
Food Security Index in OIC Countries and their and Global Rankings (Index Value), 2022



Source: United Nations Convention to Combat Desertification, 2022

Food Security

Percentage of the Population Unable to Afford a Healthy Diet (%), 2021

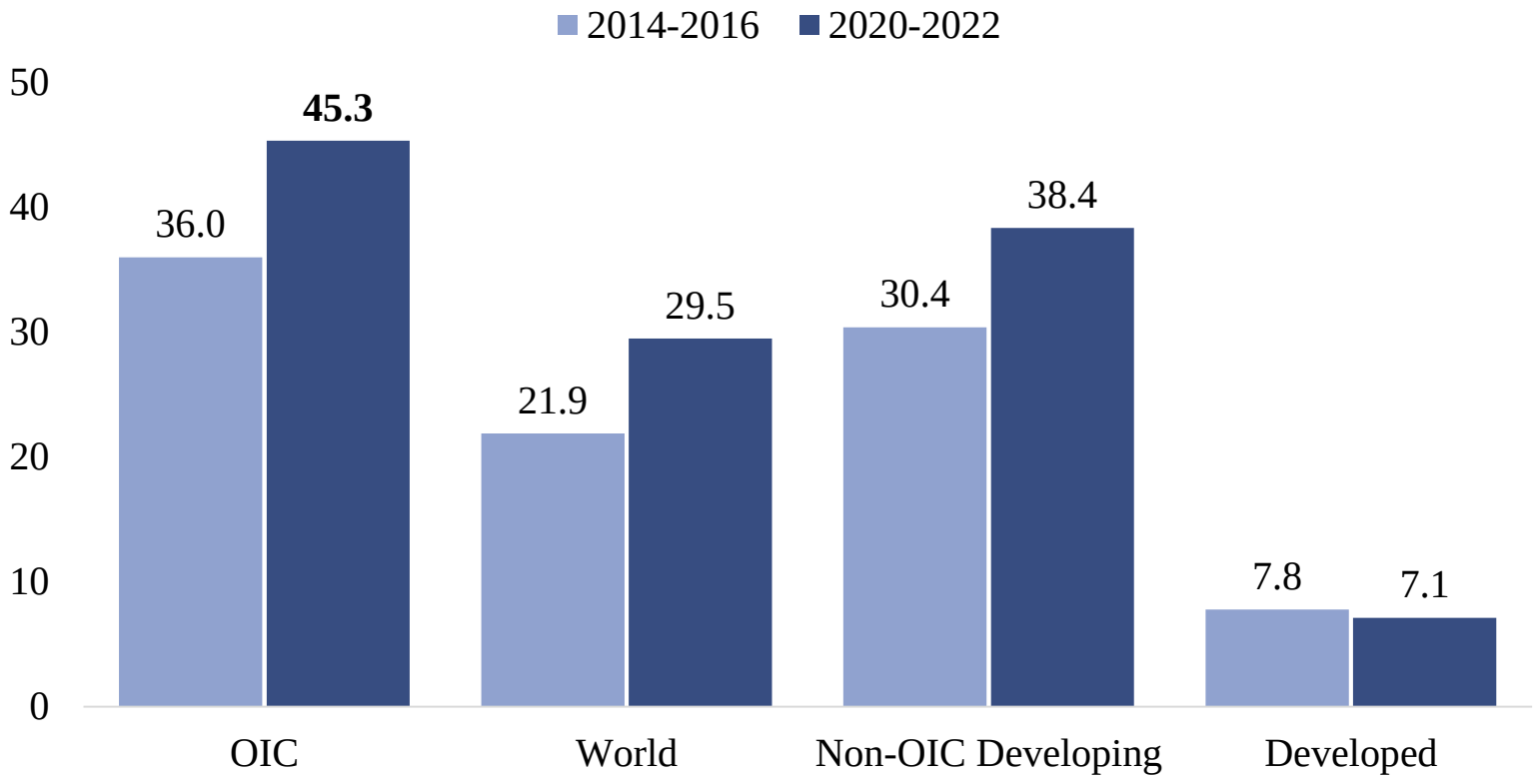


Source: SESRIC Staff calculations based on FAOSTAT Online Database

Food Security

Prevalence of Moderate or Severe Food Insecurity in the Total Population (%)

Despite having a considerable share of global livestock, the prevalence of moderate or severe food insecurity in the total population ***remains high in OIC countries***.

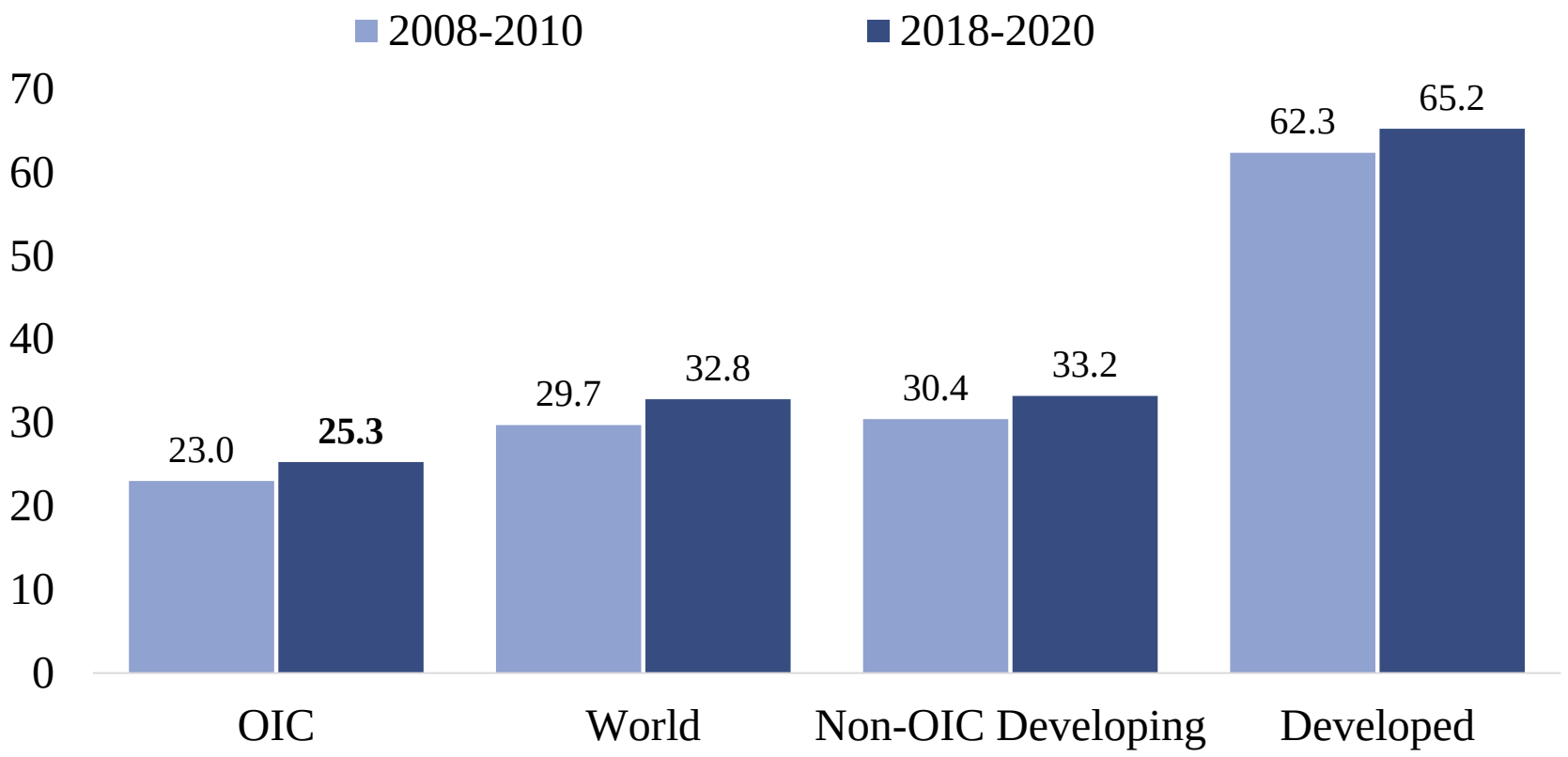


Source: SESRIC Staff calculations based on FAOSTAT Online Database

Food Security

Average Supply of Protein of Animal Origin (g/cap/day)

*Protein of **animal origin** has **increased by 2.3** Grams per capita per day between 2010-2020*

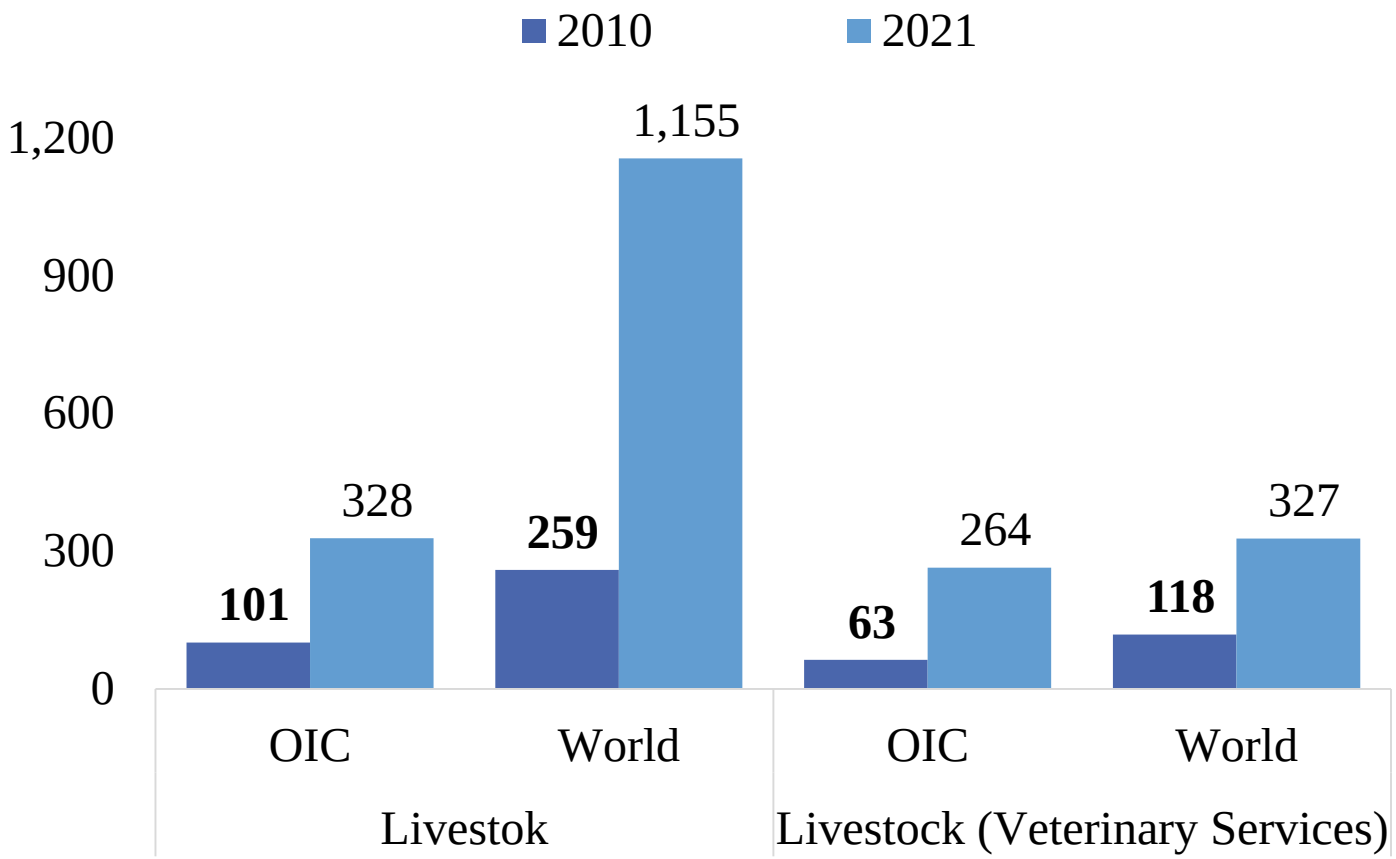


Source: SESRIC Staff calculations based on FAOSTAT Online Database

Development Flows to Agriculture

Flows to Livestock and Veterinary Services (million USD), 2021

OIC countries received ***81% of the $327 million in total*** development flows to agriculture for ***livestock veterinary services in 2021***.

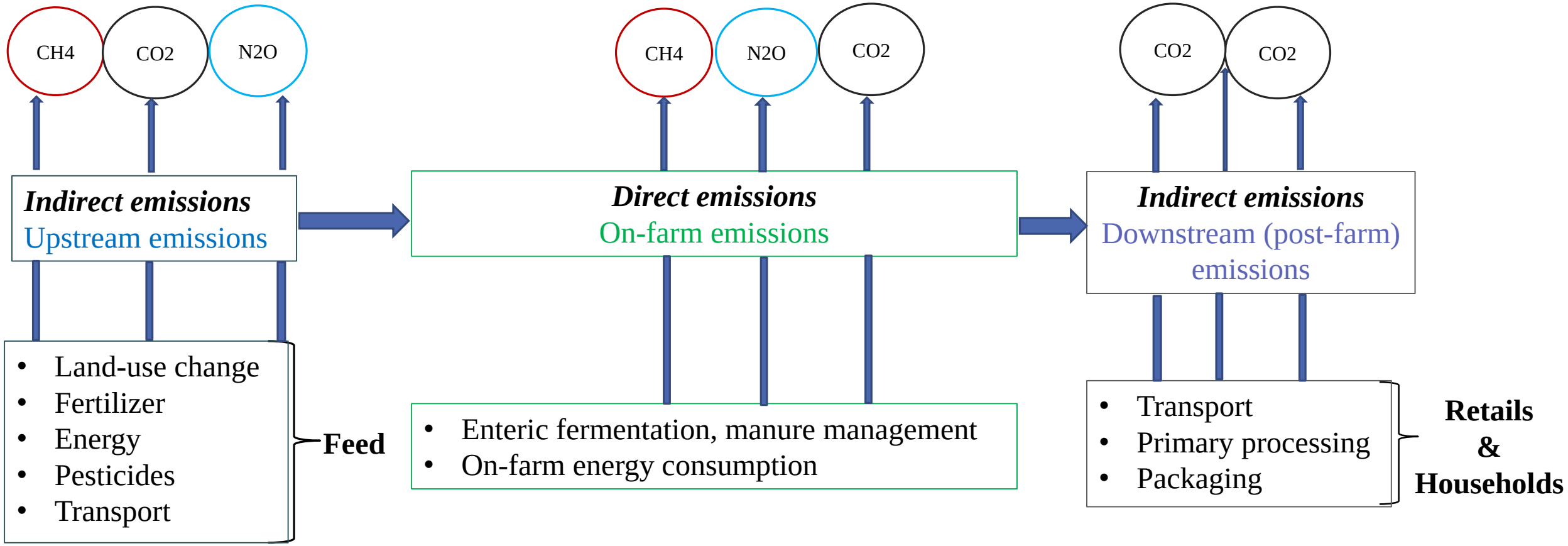


Source: SESRIC Staff calculations based on FAOSTAT Online Database.

Livestock Production and Climate Change

Greenhouse Gas Emissions from Livestock

Global Livestock Environmental Assessment Model (GLEAM) System Boundary

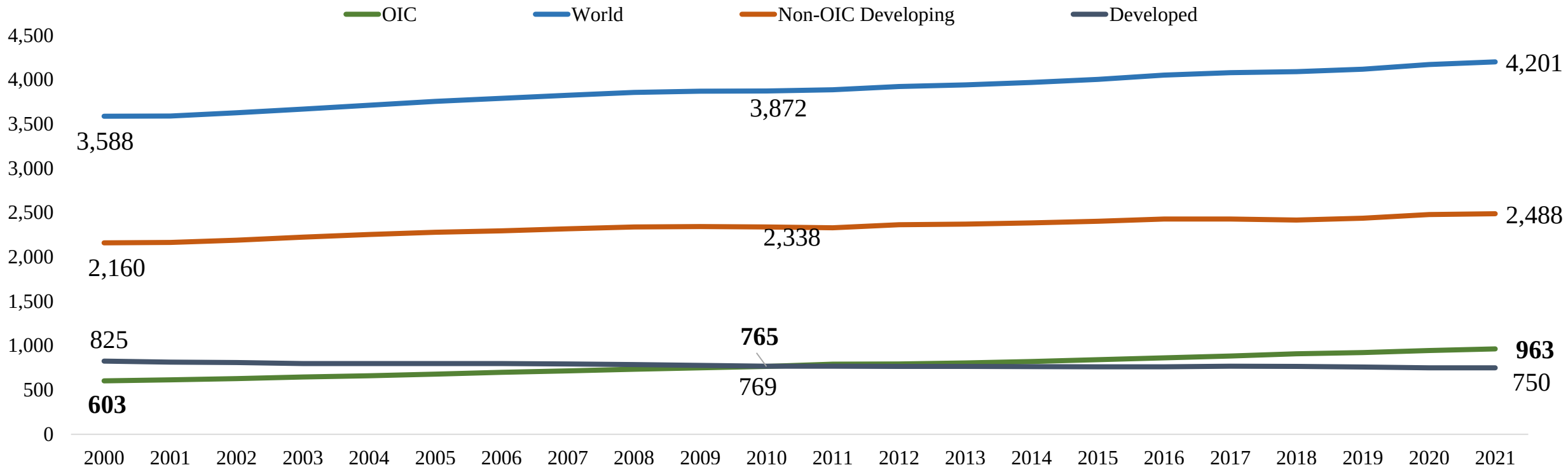


*Source: FAO GLEAM Model. **Note**: Carbon dioxide (CO2), Methane (CH4), and Nitrous oxide (N2O).*

Livestock Production and Climate Change

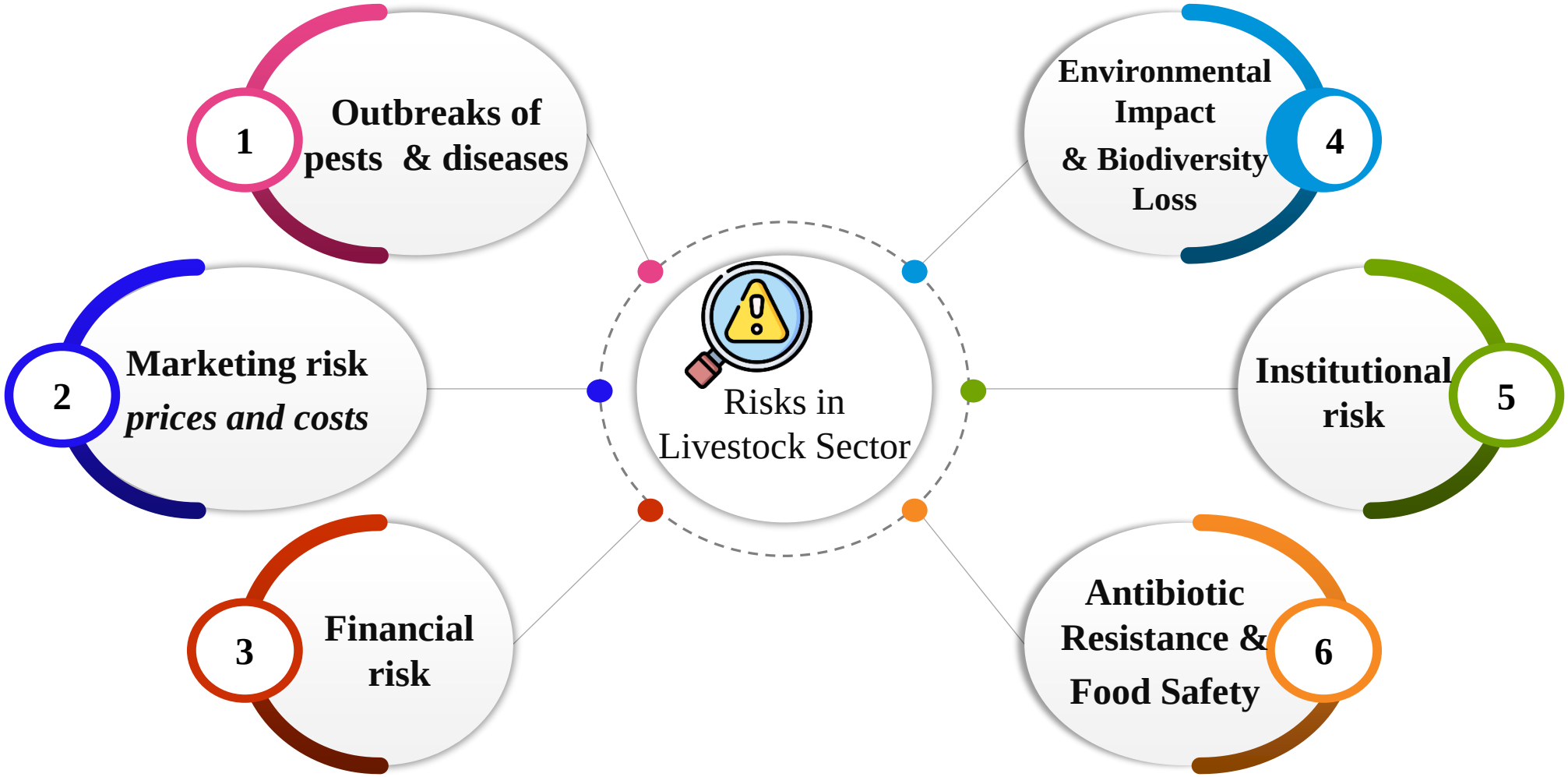
Greenhouse Gas Emissions from Livestock

***Trends in Greenhouse Gas Emissions from Livestock (Million metric tons of Carbon Dioxide Equivalent* [CO_2eq])**



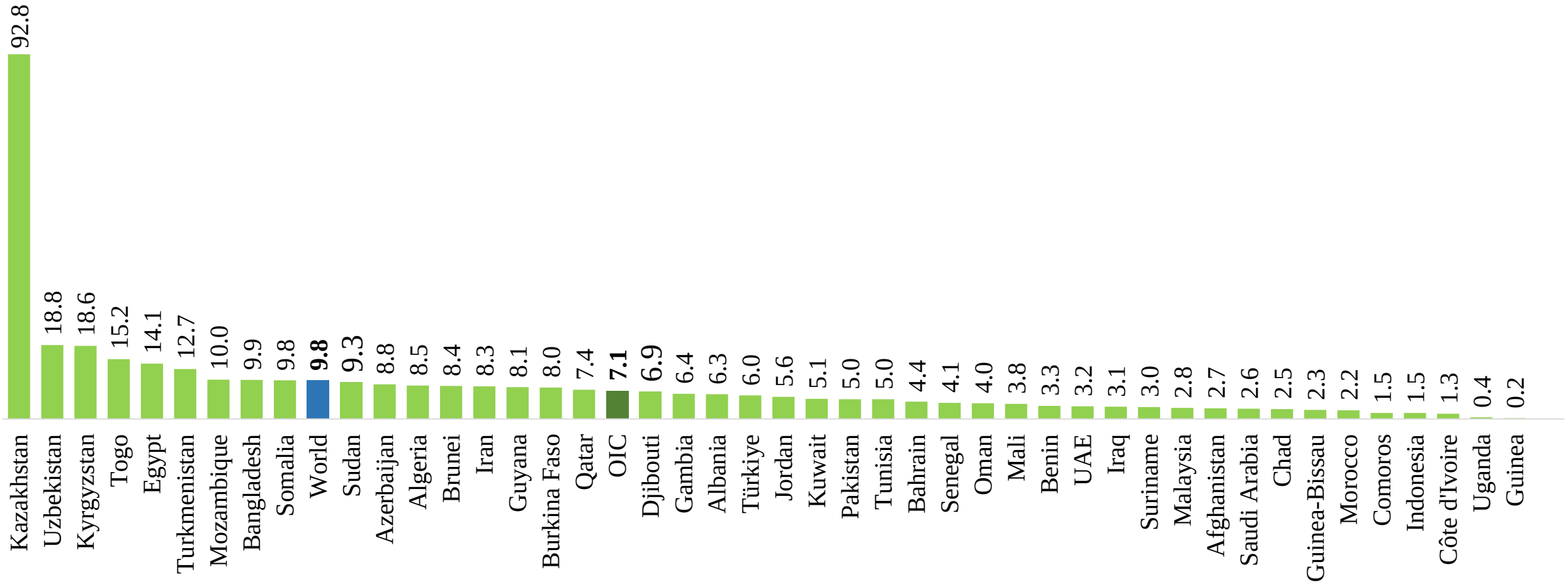
Source: SESRIC Staff calculations based on FAOSTAT Online Database. ***Note:*** *Carbon Dioxide Equivalent of AR5 include: livestock emissions equivalents of* ***Methane (CH4)*** *and* ***Nitrous Oxide (N2O)***

Risks in Livestock Sector



Risks in Livestock Sector

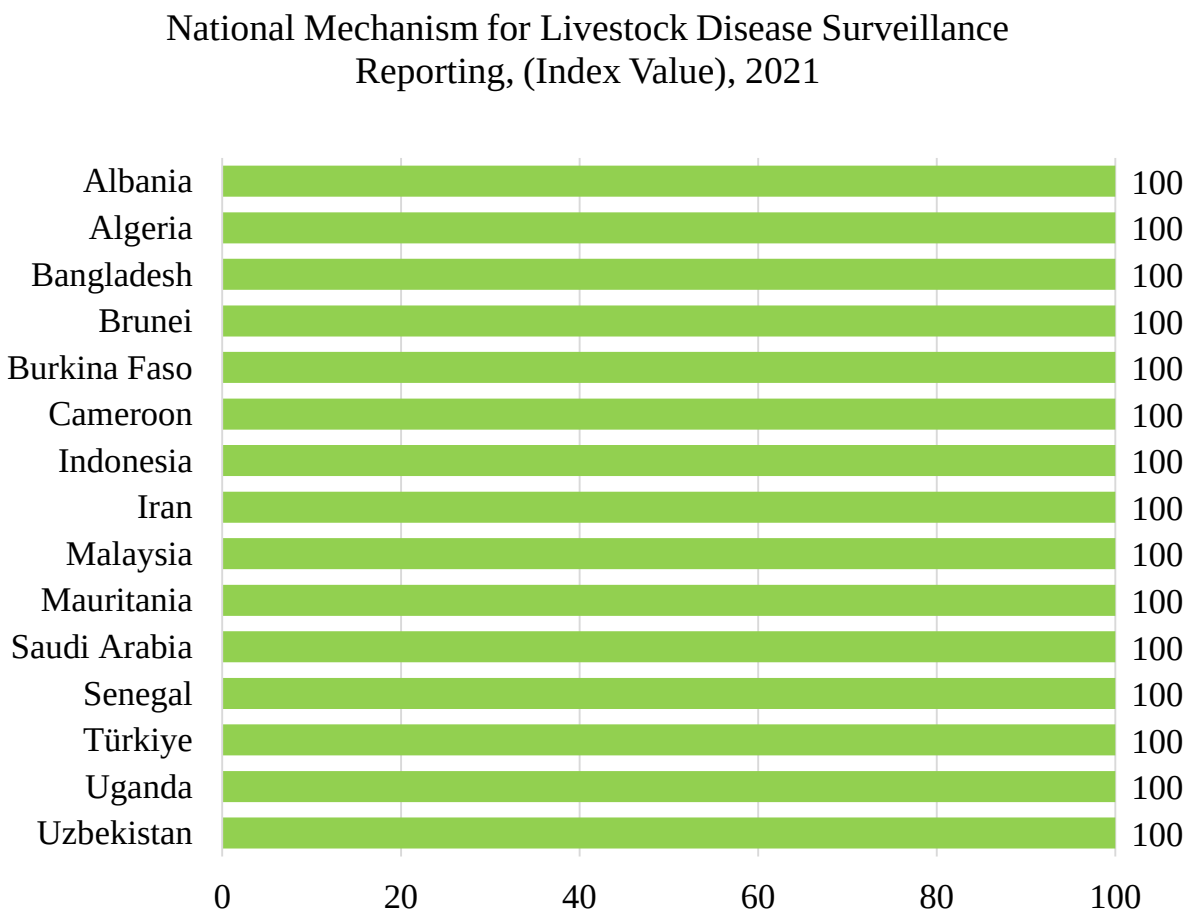
Animal Health Workforce per 100,000 People in OIC Countries, 2021

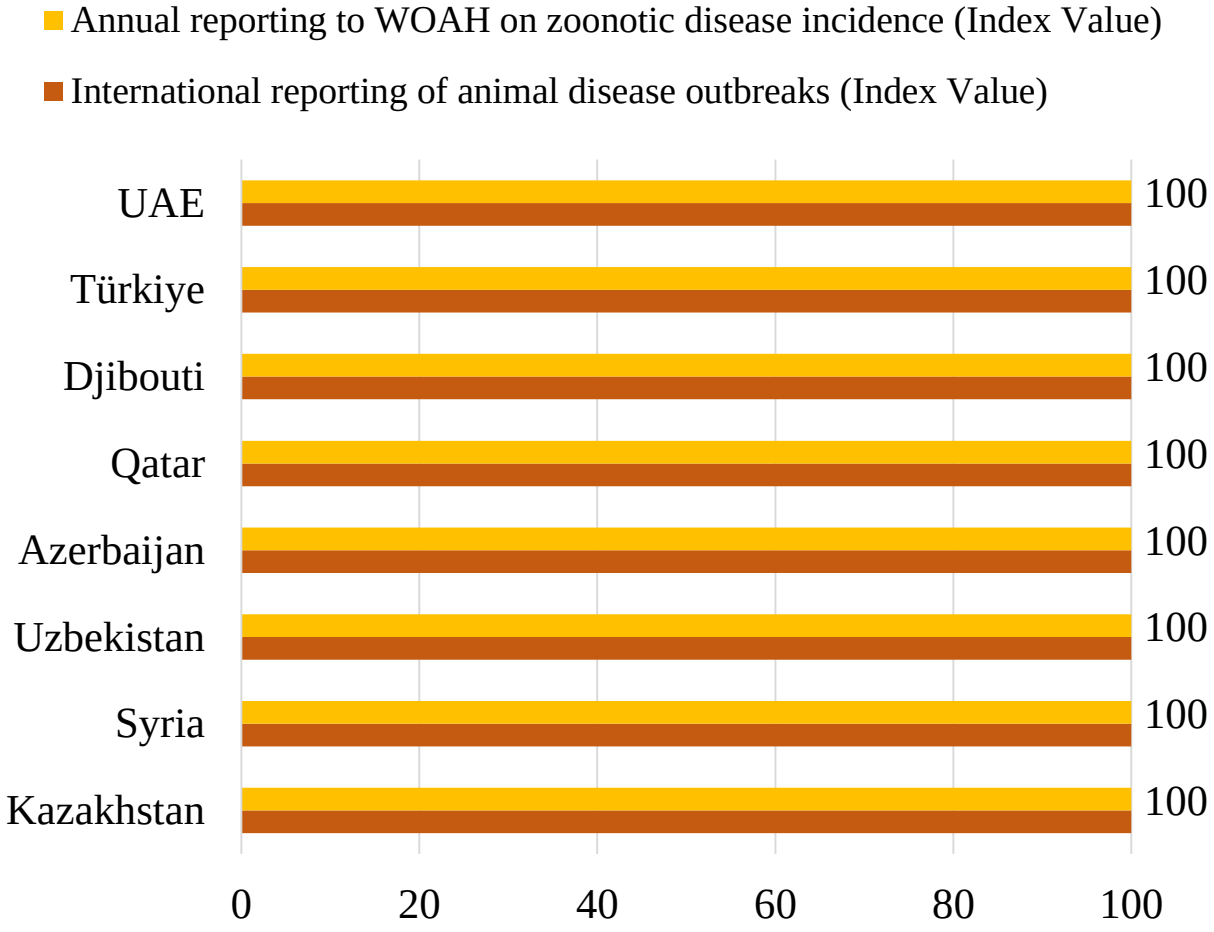


Source: SESRIC Staff calculations based on the Global Health Security (GHS) Index Data 2021. ***Note****: Data includes veterinarians and veterinary para-professionals*

Risks in Livestock Sector

Livestock Disease Surveillance

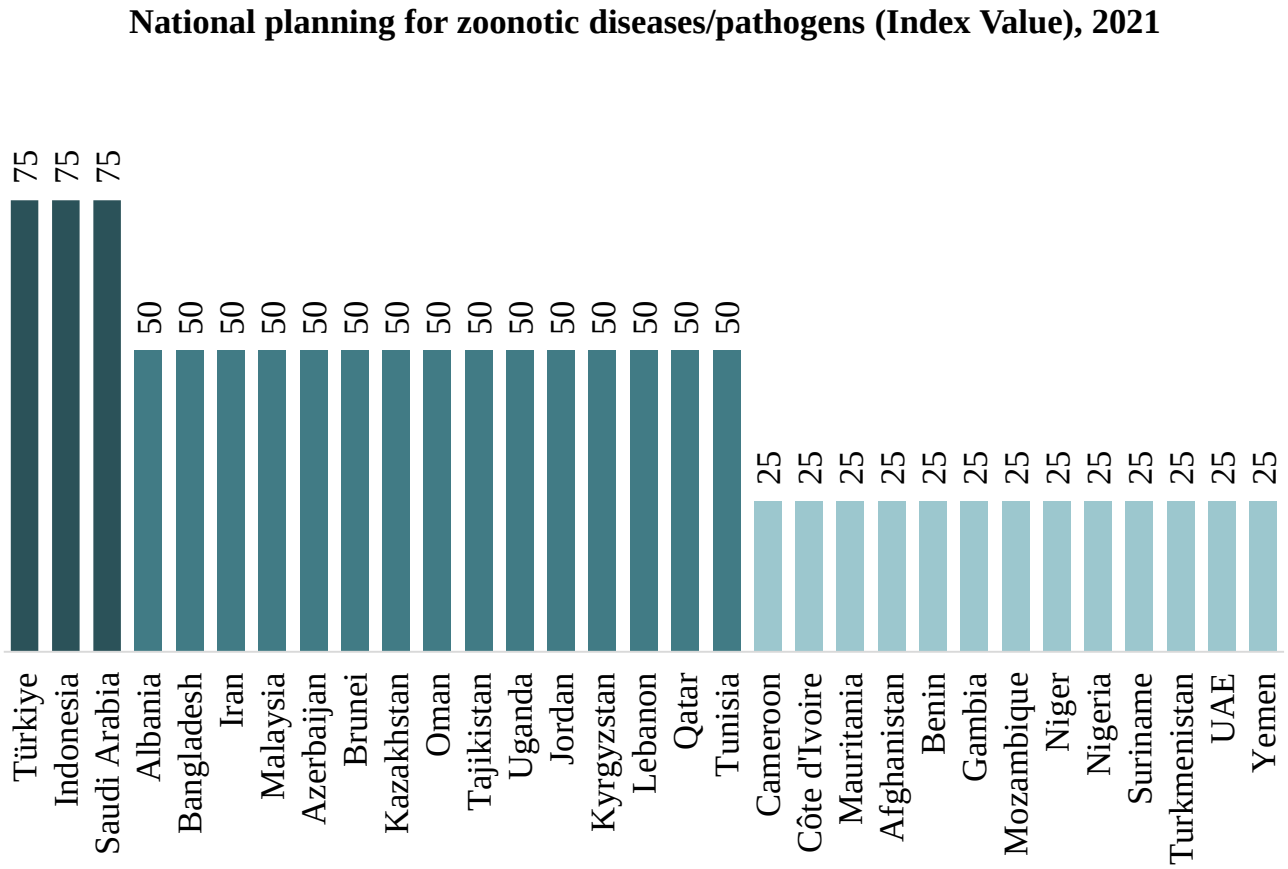


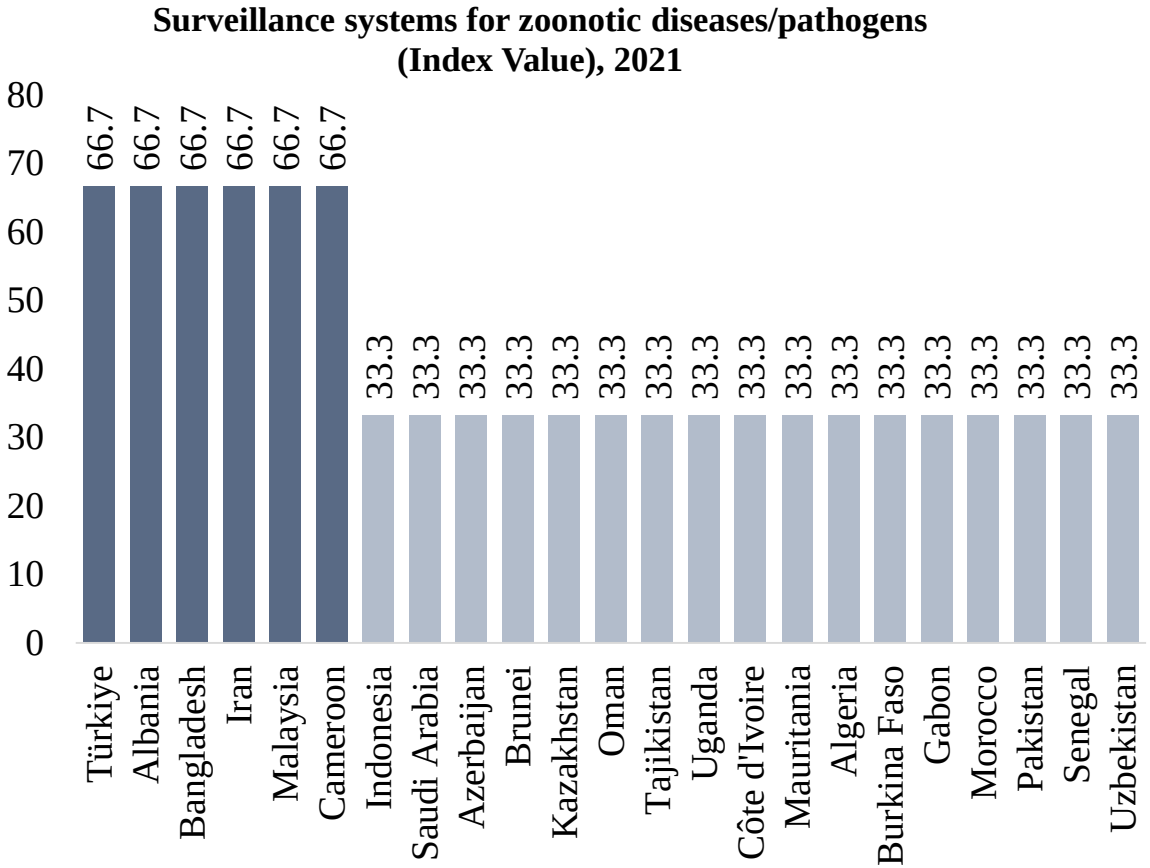


Source: The Global Health Security (GHS) Index Data 2021.

Risks in Livestock Sector

National Zoonotic Disease Planning and Surveillance





Source: The Global Health Security (GHS) Index Data 2021.

Mitigation Strategies

How to Mitigate Risks in Livestock Sector

- **Implementing Robust Biosecurity Measures.**
- **Continuous Education and Training.**
- **Improving Animal Disease Surveillance.**
- **Increasing and Improving the Animal Health Workforce.**
- **Genetic Diversity within Livestock.**
- **Using Technology for Data-Driven Decisions.**

Thank you for your attention!

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