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Cluster 3 : Transformative PPPs (Kenya)

Regional Training Workshop on Public-Private Partnerships in the
Veterinary Domain Africa (English)

Addis Ababa, Ethiopia

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**Private sector participation
in
livestock vaccination in Kenya**

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Sidai Africa (Kenya) Ltd**

Sidai Network 2019



Sidai is an input distribution and service delivery company focused on preventing disease (through vaccination, good nutrition and hygiene), increasing productivity and profitability of livestock keeping

Value of livestock in northern Kenya

			Value of losses from diseases (USD)		
			Mortality Rates		
		Total Value USD	10%	20%	40%
Cattle	5,271,151	1,054,230,200	105,423,020	210,846,040	421,692,080
Sheep	9,687,948	145,319,220	14,531,922	29,063,844	58,127,688
Goats	16,312,277	407,806,925	40,780,693	81,561,385	163,122,770
Camels	2,771,151	1,108,460,400	110,846,040	221,692,080	443,384,160
Total	34,042,527	2,715,816,745	271,581,675	543,163,349	1,086,326,698
	Value USD				
Cattle	200				
Sheep	15				
Goats	25				
Camels	400				

Institutional Challenges

- **Inadequate resources in the public sector** to achieve the required level of vaccination coverage to effectively control disease, v low vaccination rates
- Perception that all vaccines are public good and should be **free**
- Vaccination is **sporadic not routine** livestock (no effective consistent demand and supply of vaccines inhibits R&D)
- **Poor timing** of emergency vaccinations e.g. severe droughts leads to poor outcomes
- Lack of **adequate cold chain and infrastructure** in the rural areas
- Lack of **coordination between public and private sector players and clarity** about their roles
- No clear legal framework for private sector engagement and therefore no investment

Challenges...

Livestock keepers (legacy of institutional challenges....)

- **Dependence** on free hand-outs
- **Lack of knowledge** on the importance of routine livestock vaccination.
- Perception that **vaccination should only be carried out when there is a disease outbreak**
- Perception that **vaccination has undesired effects** on the livestock e.g. severe reaction, mortality, abortions
- Lack of understanding of the **need for repeat vaccination**
- Perception that **one vaccine covers all diseases**



Your Trusted Farming Partner

Halima Gedi (2nd from right), Lead Herder in Isiolo, experienced high mortality in her sheep until Sidai vaccinated them against enterotoxaemia. She now advocates for routine vaccination in her community and pays Sidai to vaccinate her sheep, goats and camels.

Cost of Routine Vaccination Services: The Public Sector

Vaccines	Vaccine Cost	Logistic cost	Total Cost KES
Blanthrax	52,732,483	45,877,260	98,609,744
ECF	53,982,166	46,964,484	100,946,650
FMD	463,282,660	403,055,915	866,338,575
Brucellosis	75,228,903	65,449,145	140,678,048
Rabies	1,252,000	1,089,240	2,341,240
Lumpy skin disease	27,569,463	23,985,433	51,554,896
CBPP	23,713,594	20,630,827	44,344,421
CCPP	233,329,885	202,997,000	436,326,885
PPR	38,687,386	33,658,026	72,345,412
Sheep and goat pox	128,957,954	112,193,420	241,151,374
Enterotoxaemia	137,080,409	119,259,956	256,340,364
Tetanus	17,950,737	15,617,141	33,567,878
Grand Total	1,253,767,641	1,090,777,847	2,344,545,488

Opportunities in vaccination for the Private Sector

Vaccines	Vaccine Cost	Logistic cost	Total Cost	Revenue	Gross profit KES
Blanthrax	52,732,483	16,389,826	69,122,309	85,512,135	16,389,826
ECF	53,982,166	11,567,607	65,549,773	77,117,380	11,567,607
FMD	463,282,660	57,548,845	520,831,505	578,380,350	57,548,845
Brucellosis	75,228,903	11,715,977	86,944,879	98,660,856	11,715,977
Rabies	1,252,000	874,000	2,126,000	3,000,000	874,000
Lumpy skin disease	27,569,463	9,350,482	36,919,946	46,270,428	9,350,482
CBPP	23,713,594	11,278,417	34,992,011	46,270,428	11,278,417
CCPP	233,329,885	55,746,303	289,076,187	344,822,490	55,746,303
PPR	38,687,386	14,792,236	53,479,622	68,271,858	14,792,236
Sheep and goat pox	128,957,954	49,307,453	178,265,407	227,572,860	49,307,453
Enterotoxaemia	137,080,409	43,514,626	180,595,034	224,109,660	43,514,626
Tetanus	17,950,737	3,548,402	21,499,139	25,047,540	3,548,402
Grand Total	1,253,767,641	285,634,172	1,539,401,813	1,825,035,985	285,634,172

Cost of routine vaccination in 5 counties

Public Sector costs

Vaccine Costs	Logistic Cost	Total Cost KES
1.2 bn	1.0 bn	2.3 bn

Private Sector

Total Cost (incl logistics)	Revenue	Gross profit KES
1.5 bn	1.8 bn	285 m

Employment creation opportunities

Number of animal health professionals employed in 5 counties	397 (making over KES 60,000 a month in gross profit)
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Public/private shared roles in disease control

Public Sector

- PPR
- FMD
- RVF
- CBPP
- Rabies

Private sector

- CCPP
- Lumpy skin disease
- Sheep and goat pox
- Enterotoxaemia
- Camel Pox
- Anthrax
- Black quarter
- ECF

Way Forward

- Public private partnerships in providing routine livestock vaccination through shared roles, following agreed protocols, sero-surveillance procedures, M&E etc
- Joint coordinated campaigns on local radio stations to popularize routine livestock vaccination
- Support to build local animal health professionals' livelihoods by giving them opportunities to deliver vaccines



New framework for PPPs in Kenya

- Resolution signed 18th July between PS State Dept Livestock, private sector & county governments... encouraging private sector and banning free drugs and vaccinations
- Private sector guidelines drafted
- DVS to issue official circular

Will provide private sector with a settled legal framework to engage, create confidence and invest in livestock vaccination





TOGETHER the public and private sectors can build a world class disease control system in Kenya



TRANSFORMATIVE PPP