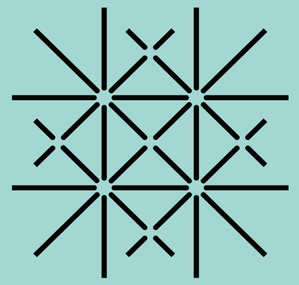

University
of Basel

In association with:

Swiss TPH

Swiss Tropical and Public Health Institute
Schweizerisches Tropen- und Public Health-Institut
Institut Tropical et de Santé Publique Suisse

Cattle and children:
a story about nomads


Chad

Mixed teams of medical doctors and veterinarians


Santé animale

Cost + **Cost** – **Cost** = △ **One Health**

humans alone

animals alone

joint

humans + animals

financial savings

Human and animal vaccination

Table 2. Variable and fixed costs of vaccinations in the veterinary and public health sectors in Gredaya and AmDobak/Chaddra, Chad*

	Veterinary sector		Public health sector			
			Gredaya		Chaddra/AmDobak	
Cost	Gredaya, Euros (% Fixed)	Chaddra/AmDobak, Euros (% Fixed)	Euros (% Fixed)	% Euros shared	Euros (% Fixed)	% Euros shared
Personnel/administration	2,559 (0)	475 (0)	3,627 (0)	10.6	3,376 (0)	2.7
Transportation	2,835 (80)	345 (75)	4,004 (82)	19.3	3,797 (79)	3.3
Cold chain	62 (36)	45 (56)	1,185 (37)	6.2	531 (36)	10.1
Vaccines and vaccines-related	7,541 (29)	214 (21)	12,146 (12)	0	4,072 (12)	0
Other (buildings, supplies)	480 (95)	152 (100)	938 (98)	25.4	938 (98)	9.1
Total costs	13,476	1,231	21,900	6.7	12,712	2.8
Total costs without vaccines	5,935	1,025	9,754	15.1	8641	4.1

*In Gredaya, 3 vaccination rounds were conducted jointly between veterinarians and public health professionals and another 3 rounds were conducted by the public health sector alone to fully immunize children, whereas in Chaddra/AmDobak, only 1 of 6 rounds was conducted jointly with the veterinarians. The cost-sharing scheme and the proportion of reduced costs due to the joint approach are described in the text.

Human health alone + **Animal health alone** − **Humans and animal health together** = **One Health benefits**

One Health benefits

- better health of humans and animals
- financial savings
- environmental services
- reduced time to detection of diseases