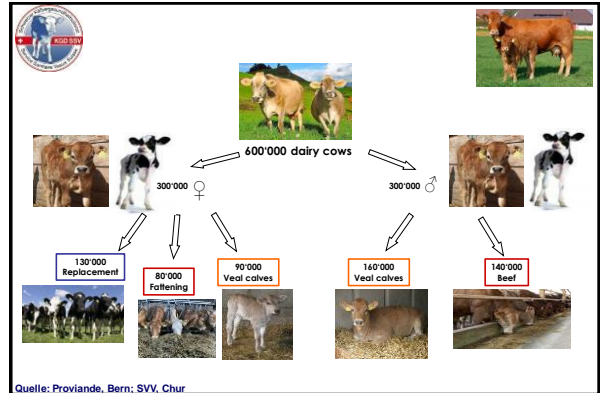


## Success factors for reduction of antimicrobials in Swiss veal farms

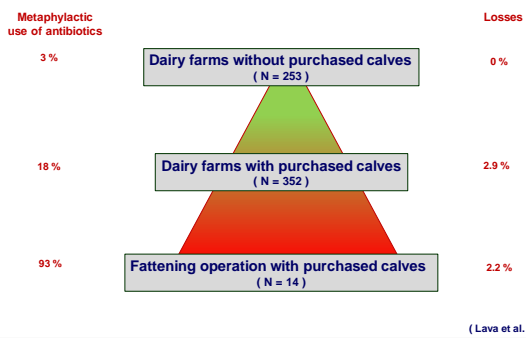
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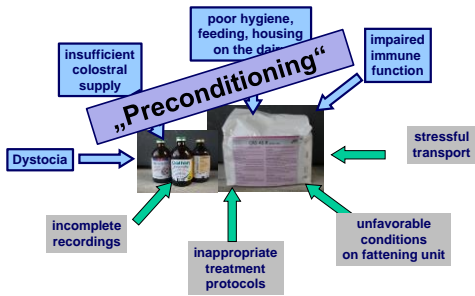
## How frequently are antibiotics used ?



# 1:

The production system is important !

### Risk factors for use of antibiotics



# 2:

The dairy farm is decisive for the health status of the calf on the fattening unit !



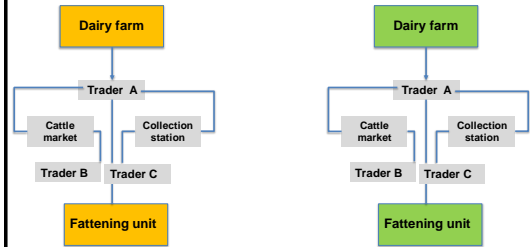
### Preconditioned calves - a hot topic ...



UFA zoetis UNIVO naturafarm coop melior Freiluft kalb anicom

CalviFIT – Konzept für gesunde Kälber

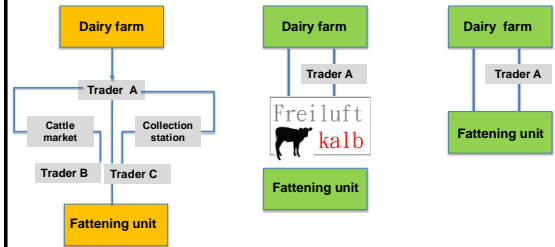
### Status quo and perspectives



### # 3:

If the transport overwhelms the capability of the calf to cope stressors, preconditioning doesn't work !

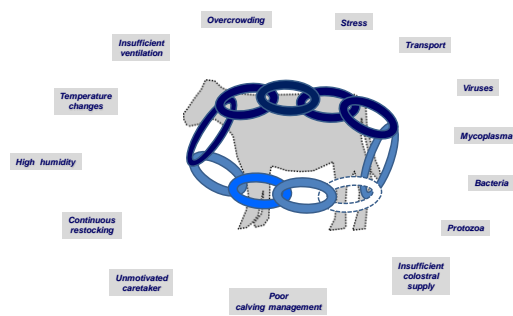
### Status quo and perspectives

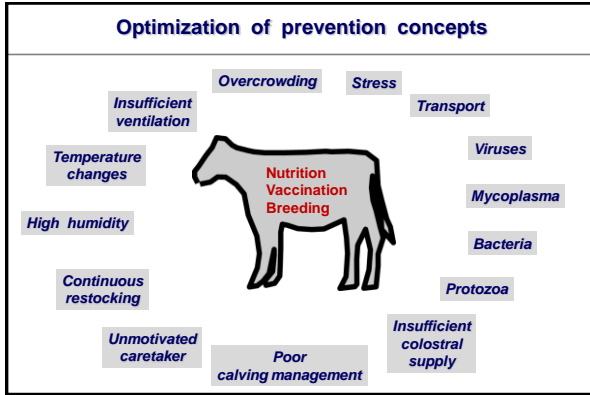


### # 4:

Outdoor conditions and avoidance of a relocation can be options to improve health !

### Optimization of prevention concepts





## # 5:

**We have to minimize the threat of risk factors and to maximize the defense mechanisms of the calf !**

### Is it possible to supersede any antibiotics by optimized prevention concepts ?

NO !!!

- Calves are neonates with a *per se* higher risk for diseases compared to adult mammals.
- Also well-housed and perfectly fed animals may fall ill.
- Bacterial infections are frequently life-threatening
- Antibiotics have fast and beneficial effects – thus, we need them not at least for welfare reasons

### Can we reduce the use of antibiotics in veal calves ?

Yes !!!

	Past	Presence	Future
Application	oral	oral	parenteral
Spectrum	broad	narrow	narrow
Duration	long	short	short
Calves in a pen	all	all	some

↓

„Prudent use“

- as little as possible
- as effective as possible
- as much as necessary

# 6:

We need also in future antibiotics for food animals !

However - the retailers exert pressure on the producers ...



### What's the future ?



Broiler chicken: < 3 %



Porker: 30-50 %



Beef / veal calves: 0-100 %

*Do we achieve in future in the veal calf industry the production standard which is already at present existing in the poultry industry?*

ICPD Preconference Calf Health Panel Discussion  
Bern  
June 26, 2019

Success of farms  
antimicrobials  
**Thanks for your attention !**

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