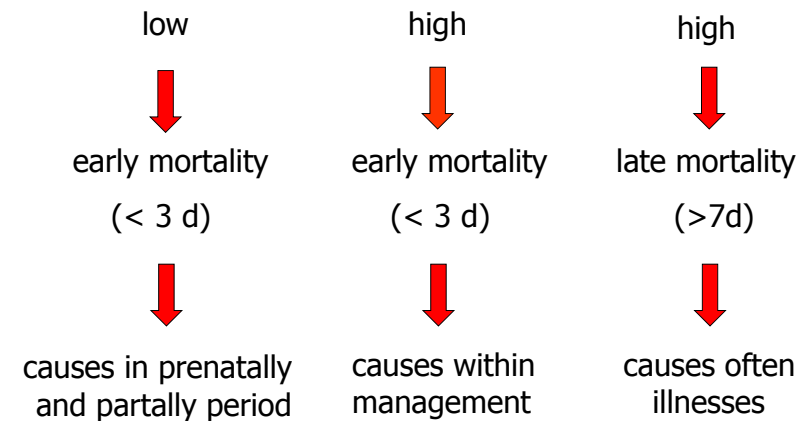


Criteria for Vitality of Piglets

- time between birth and rupture of umbilical cord
- number of piglets with intrauterine ruptured cord
- time to first touch on udder
- time to first milk intake
- time between first touch and first milk intake
- time to first get up
- change of rectal temperature
- Apgar-Index (breathing, heartbeat, skin colour, muscle tension, reaction of pain)

Vitality of Newborn Piglets




Influences on Piglets Vitality

- parity of sow
- litter size
- birth weight
- length of delivery
- time interval between two piglets during delivery
- infectious diseases of sows during pregnancy
- maternal malnutrition
- partus induction (PGF 2α)
- housing conditions during pregnancy and delivery

Physiology – Vitality – Behaviour

Iodine deficiency during pregnancy

- no intrauterine training to coordinate breath, sucking and swallow
- high birthweight (fat-neck-piglet)
- high risk to asphyxie
- low movement activity
- often long time to first touch udder
- no milk intake or very long time to first milk intake
- **low vitality**  **high mortality**