LONGLINE POST-INTERACTION MORTALITY: VETERINARY PERSPECTIVES
**Injury and post-interaction mortality**

- **Manner of injury**
  - Trauma
  - Physiological derangement (e.g. acidosis, hypoxia)
- **Timeline of effects**
  - Acute (minutes to hours)
  - Subacute (hours to days)
  - Chronic (days, weeks, months)
- **Lethality**
  - Fatal
  - Sub-lethal

**Complicating factors**
- Environmental conditions
- Risk of predation
- General health
Fatal, acute (minutes to hours)

- Trauma resulting in loss of vital organ function / severe blood loss
- Drowning

“...the process of experiencing respiratory impairment from submersion/immersion in liquid”
Fatal, subacute (hours to days)

- Delayed loss of vital organ function
  - Severe, non-immediately fatal injuries
  - Continue blood loss
- Failure to compensate / recover from physiological derangement
  - Drowning
  - Exertional insult
Fatal, chronic (days, weeks, months)

- Delayed loss of essential structure/organ function
- Plication/intussusception of GI tract
- Secondary infections
- Transition from sub-lethal to lethal injury
Comments related to injury in sea turtles

- Reputation for resilience risks underestimation of injury
- Ability to assess internal injuries/physiological status in the post-capture interval under field conditions often is limited
- Categories of interactions used in field studies likely group turtles with various degrees of injury
- Extrapolation of outcomes under rehabilitation conditions to unattended animals under natural conditions requires extreme caution