Webinar PI - Seri 8

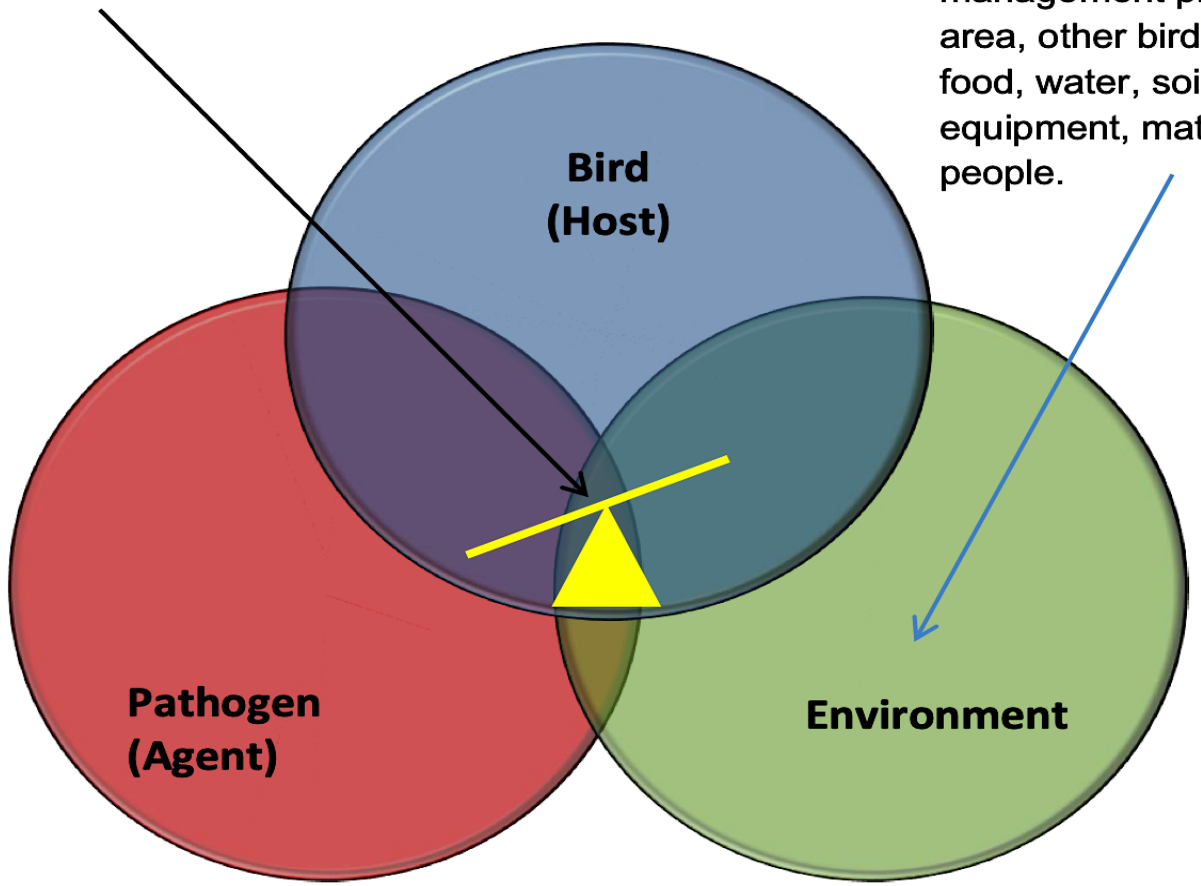
Konsep & Strategi Memaksimalkan Manajemen Kesehatan di Kandang Saat Musim Hujan

Tony Unandar - Private Poultry Farm Consultant (Jakarta)

The Disease Triad

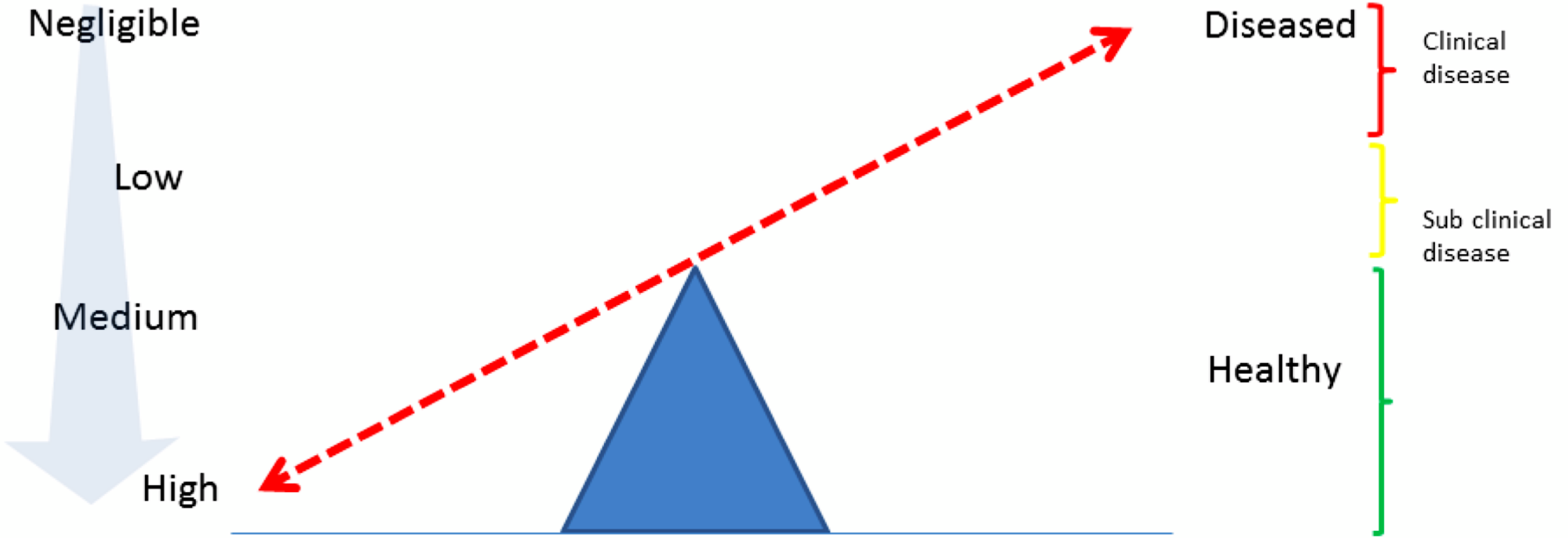
Disease may occur when a host, agent, and the environment combine and sufficient factors tip the balance resulting in disease.

The surroundings, conditions, and factors that provide an opportunity for disease transmission. This may include management practices, the flock area, other birds and animals, food, water, soil, insects, equipment, materials and people.



Adapted from: Chicken Farmers of Canada, 2018

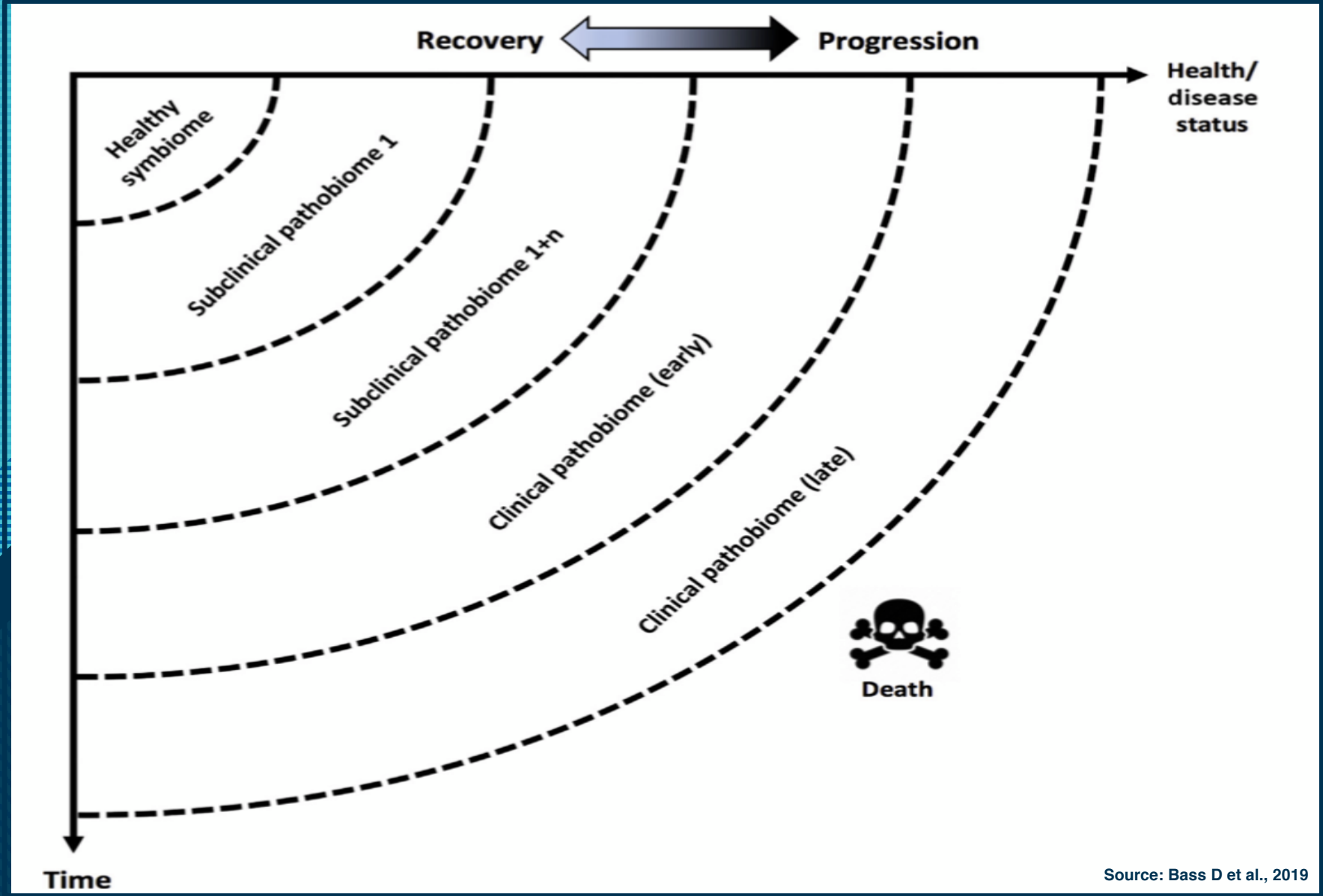
Tipping Point for Disease Expression



Adapted from: Chicken Farmers of Canada, 2018

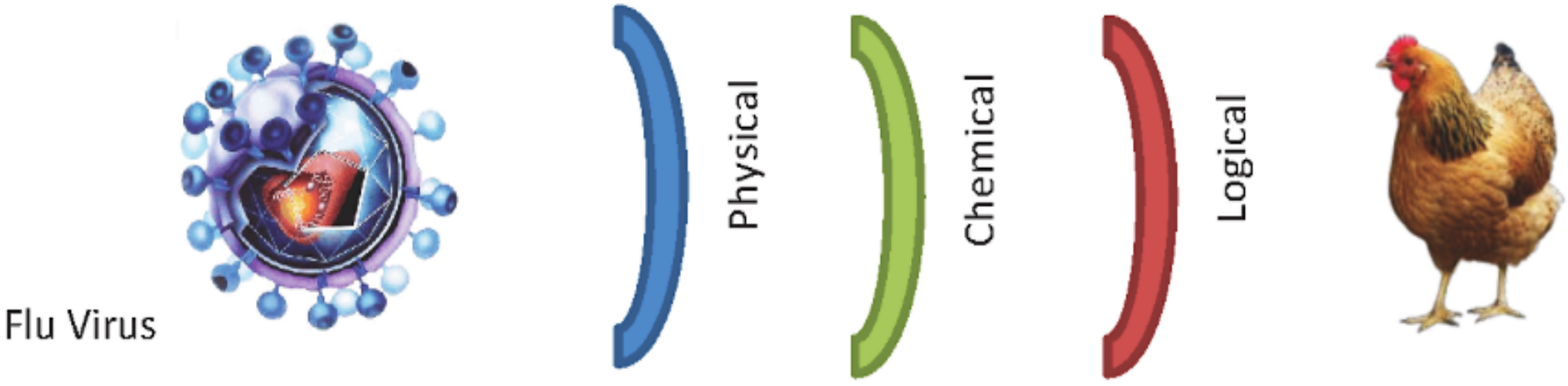


Host Health & Disease Overtime



Source: Bass D et al., 2019

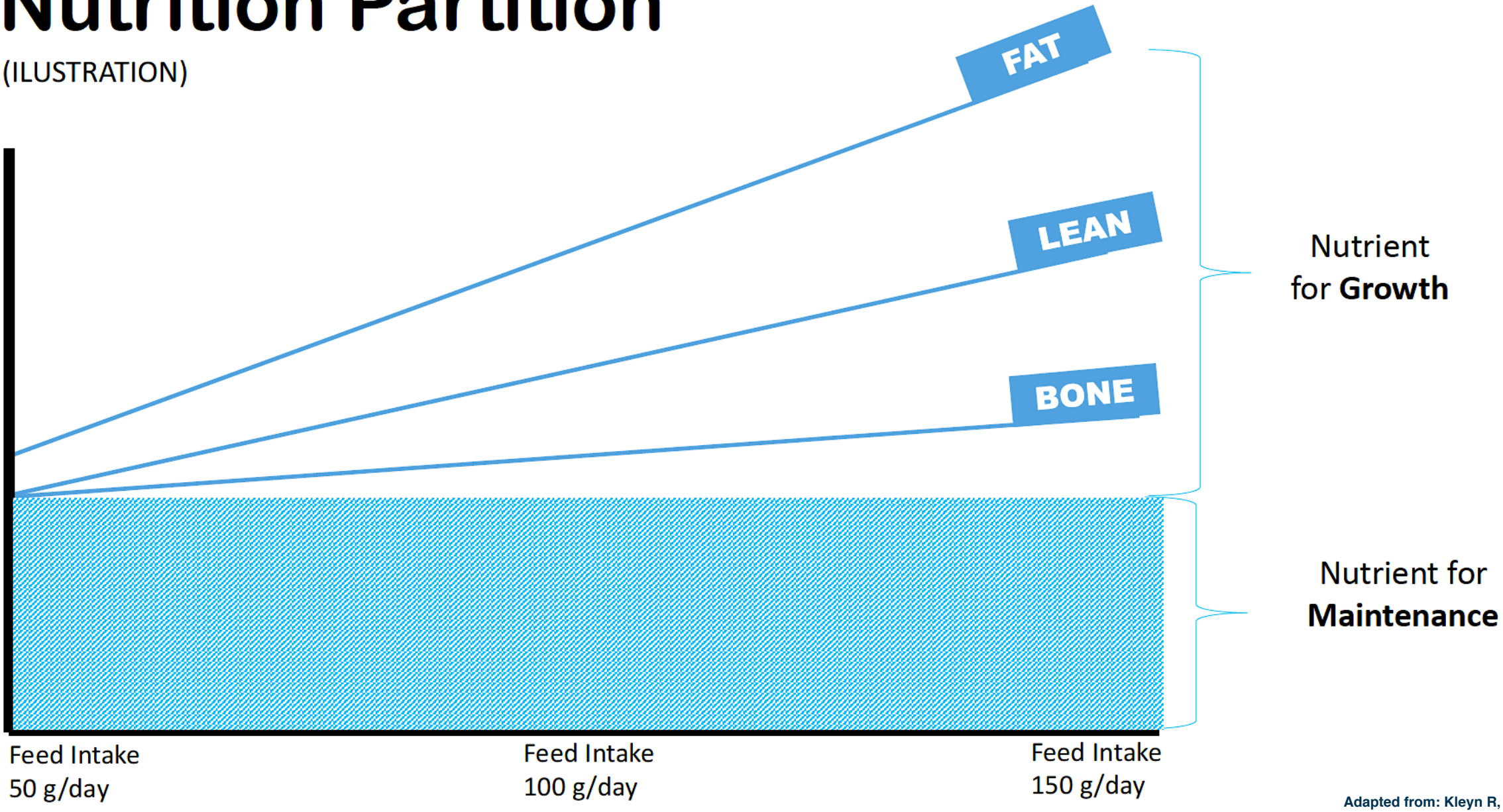
Providing Biosecurity Barrier



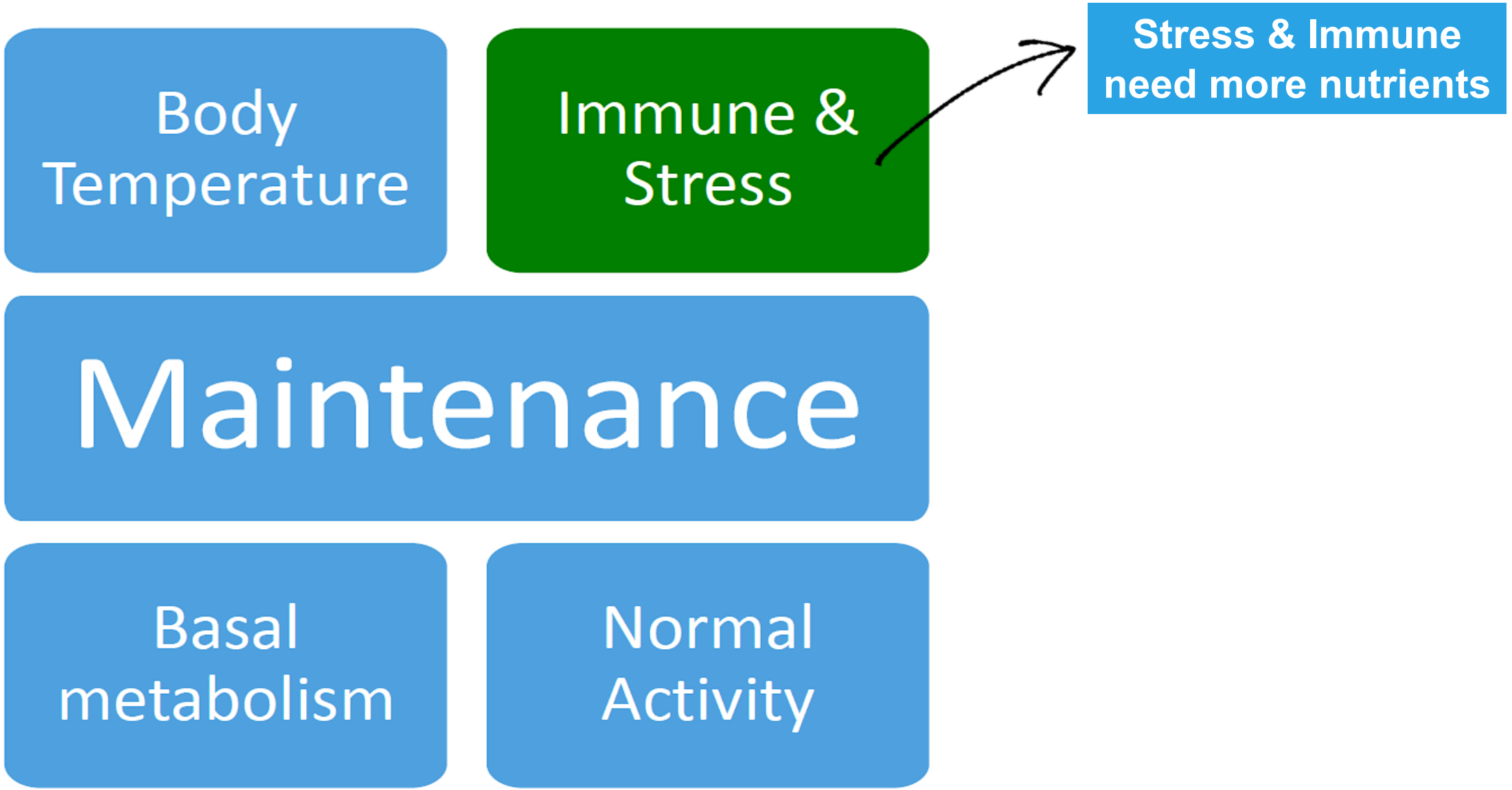
Source: Martin GP et al., 2019

Nutrition Partition

(ILUSTRATION)



Adapted from: Kleyn R, 2013


Body Temperature
Immune & Stress
Stress & Immune need more nutrients
Maintenance
Basal metabolism
Normal Activity

Conclusions

- Environment (temperature, humidity, light, oxygen level) can be the trigger factor to induce either some metabolic or infectious disorders
- Anticipative responses should be taken to minimize every single risks: BIOSECURITY, VENTILATION
- Adding some supplementations through drinking water is highly recommended

Thank You
For Your Attention