**Title:** A Theory of Public Health Necessity

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**Key Massages:**

* The hierarchy of basic public health needs described in this text is founded in experiments and empirical evidence derived from numerous public health studies that have examined the effects of various exposures and their associated public health outcomes.
* A theory for critical public health components, as a hierarchy of needs and associated resources, required to maintain human health is proposed; starting from the most basic needs that would secure the health of billions of people and progressing vertically towards more complex systems and interventions to benefit thousands or millions.

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