## Allostasis and allostatic load



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# health puzzle...

- physical activity is AMAZING
- how do you start to make sense of HOW it does what it seems to do?
- what pathways or chain of events in the human body can help explain the impact of physical activity on such a wide variety of health conditions?

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# health puzzle...

# How does the body deal with stress?

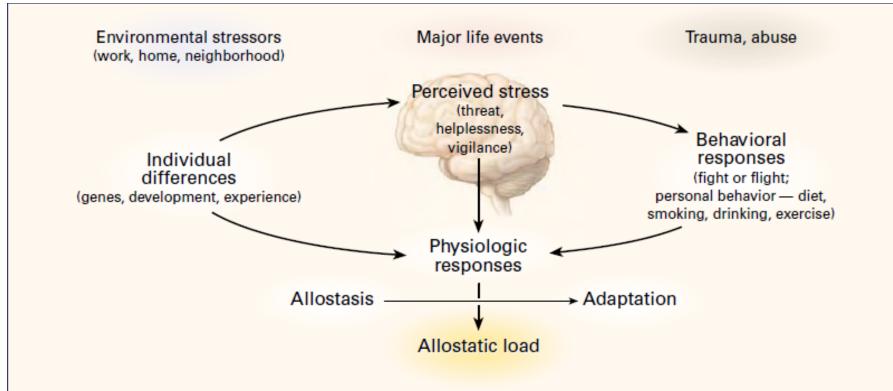
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# **Allostasis**

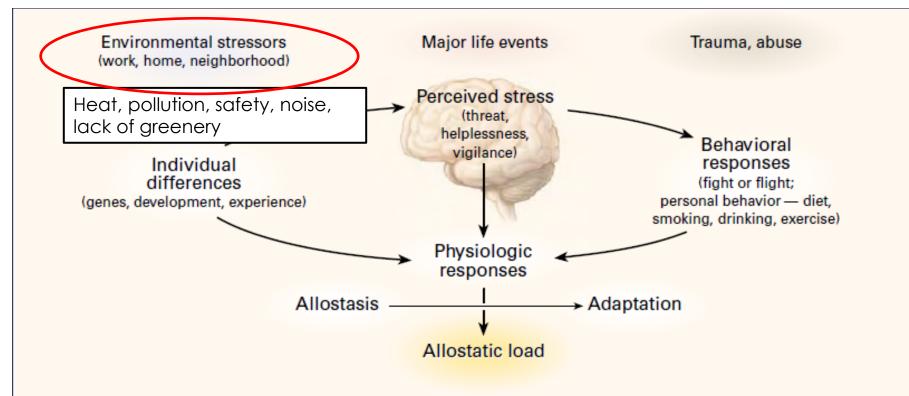
<u>Allostasis</u> is the process of achieving stability, or homeostasis, through physiological or behavioural change

<u>Allostatic</u> load refers to cumulative negative effects, or the price the body pays for being forced to adapt to various psychosocial challenges and adverse environments (McEwen 1998)

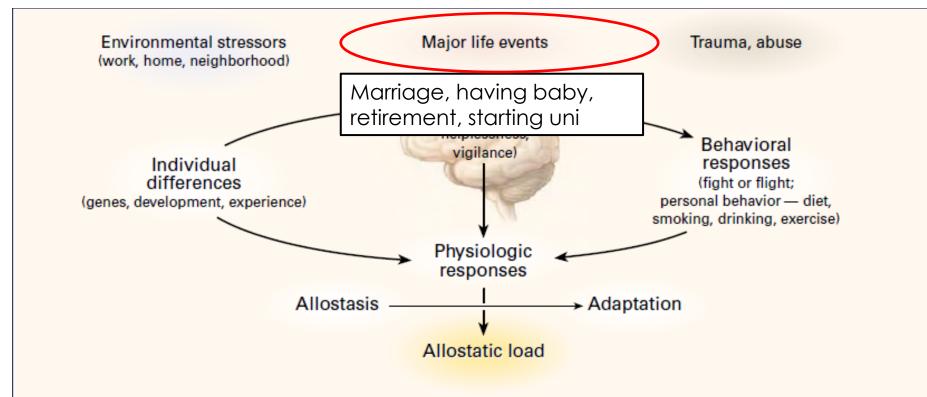




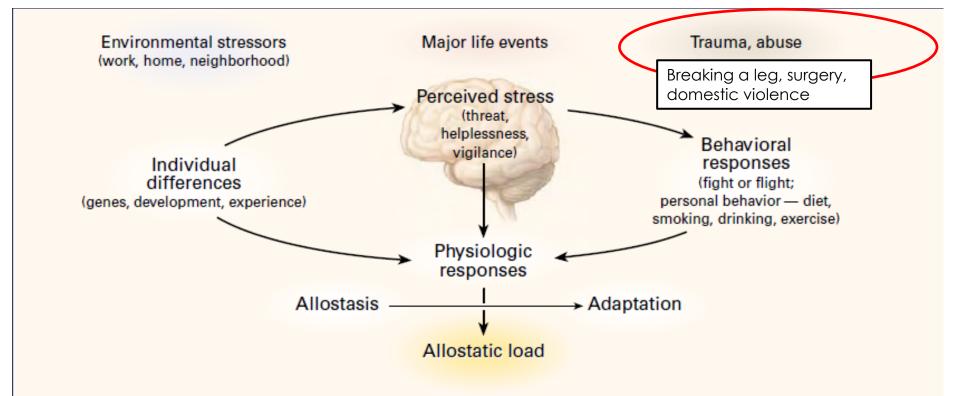




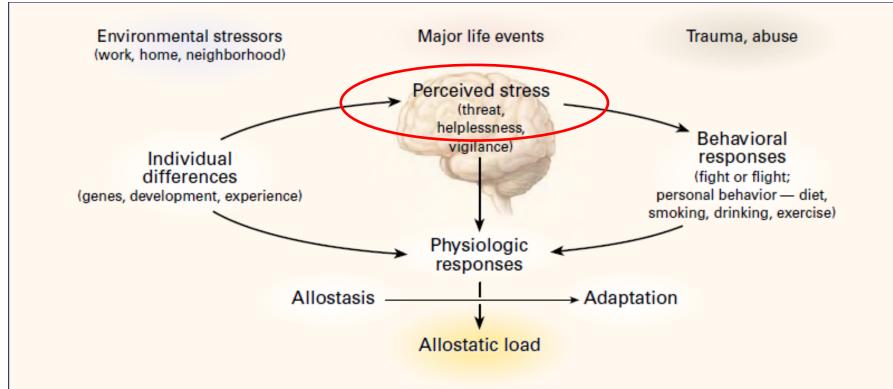




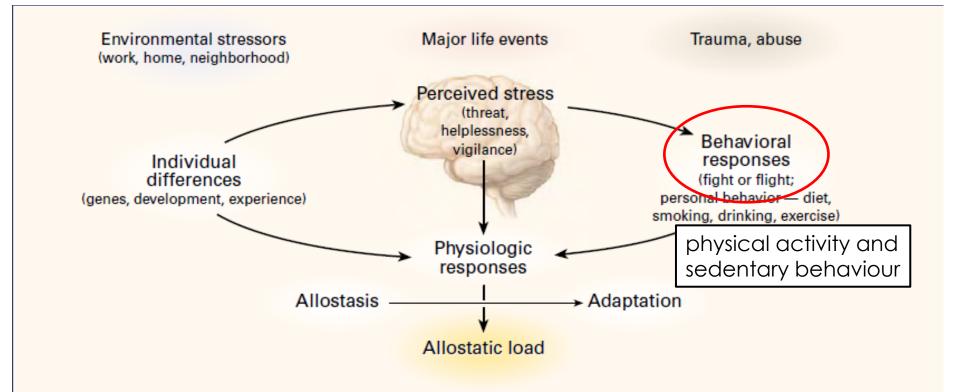




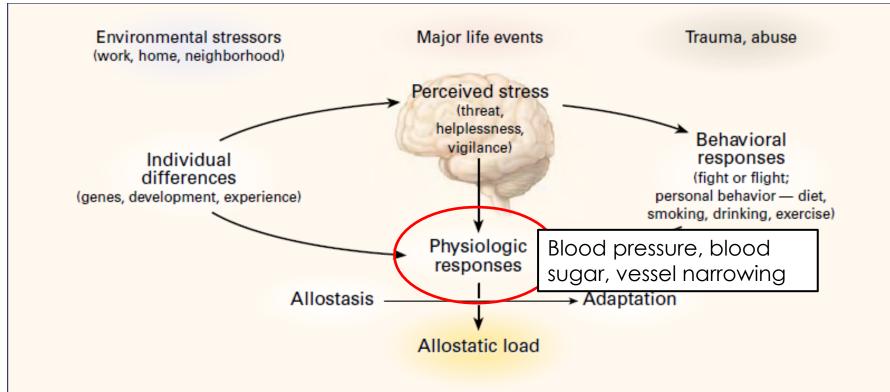




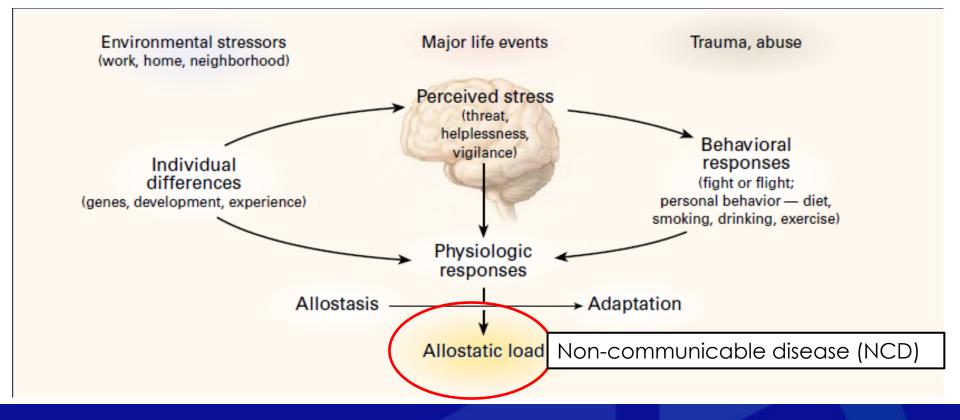
















# References

McEwen, BS, 1998, 'Protective and damaging effects of stress mediators', New England Journal of Medicine, Vol. 338, no. 3, pp. 171-179.

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