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Hostility also increases risk of metabolic syndrome and heart disease









To your brain Social Pain=Physical Pain

Jenson-Campbell & MacDonald, 2011 Social pain (p. 3-8). Amer Psychological

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Experienced discrimination

Lewis et al. 2010, Brain

- You are treated with less courtesy other people
- You are treated with less respect than other people
- You receive poorer service than other people at restaurants and stores
- People act as if they think you are not smart

av Immun, 24(3), 438-443



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Sleep disorders increase inflammation markers (CRP, IL-6 & TNF-α)

Suarez & Goforth. 2010 In Psychoneuroimmunology of Chronic Disease: American Psychological Association

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Prenatal adversity increased inflammation for the baby in adulthood by 3 times

Slopen et al. 2015, *Psychoneuroendocrinology, 51*, 403-413





















2009,



















Kendall-Tackett et al. 2013, Breastfeed Med, 8(1), 16-22















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