

Timing of Menarche is Impacted By Toxins, Food Intake

Consequences of Perturbed Timing of Menarche

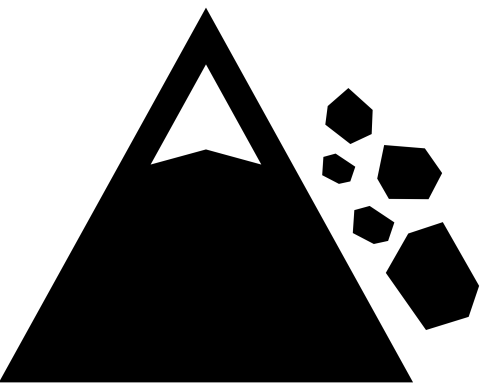
Climate Change Affects Weather Events



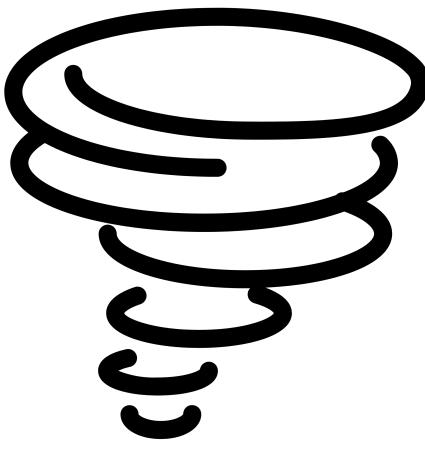
Hurricanes



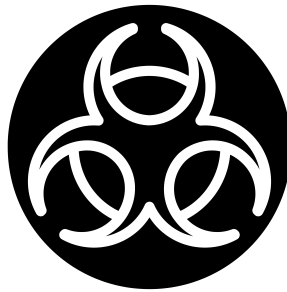
Extreme Weather



Avalanches



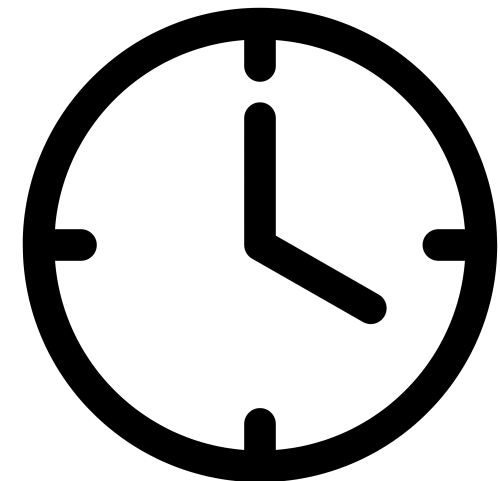
Twisters



Toxins Released into Environment



Food Availability



Perturbations in Timing of Menarche

Increases Disease Burden



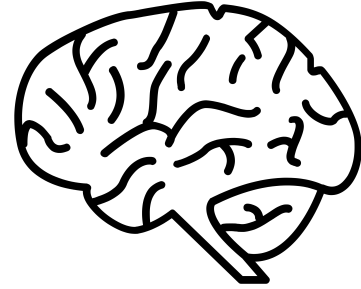
Bone Health:
• Osteoporosis
• Short Stature



Cardiovascular Disease:
• Carotid artery intima-media thickness



Increases in Disease



Mental Health:
• Depression
• Thoughts of self-harm
• Fear
• Distress
• Externalizing disorders
• Behavioral problems



Fertility-Related Conditions:
• Breast Cancer
• Increased Antral follicle count
• Premature menopause
• Hysterectomy
• Fetal loss
• Longer time to first baby
• Hirsutism