**NDVI Time Definition Options**

\* NDVI value at resolution of 250m squares/pixels (each pixel has a NDVI value)

1. One timepoint (1 day) in the summer
   * Justification: “We selected a summer day to combine the period of maximum leaf development with a totally cloud-free image.”
   * Average NDVI within a buffer around residential lat/lon
   * EHP reference ([https://doi.org/10.1289/EHP2854](https://ehp.niehs.nih.gov/doi/full/10.1289/EHP2854))
     1. Environment International reference (https://doi.org/10.1016/j.envint.2017.08.012)
2. For each pixel, average NDVI values for summer months for each year -> Averaged 10 years together
   * Justification: excluded winter months where ground is covered by snow, represents maximum levels of greenness, rather than average over the year. Represents average NDVI of location
   * Average the NDVI within a buffer around residential lat/lon
   * Lancet Planetary Health reference (https://doi.org/10.1016/S2542-5196(17)30118-3)
3. Short-term and long-term time-varying NDVI
   * Short-term: For each pixel, NDVI of current season based on average NDVI of representative month in the season (4 seasons)
   * Long-term: For each person, cumulative average of NDVI based on updated location and season
   * Both short- and long-term NDVI measures updated over time and with new residential address
   * EHP reference (<https://doi.org/10.1289/ehp.1510363>)