

The Scientific Milestones Leading to the HHTK R Package

Click on the links below to learn more about each milestone.

[The National Academy of Sciences established 3 components of chemical risk: Hazard, Dose Response, and Exposure](#)

[Scientific paper demonstrated that Pharmaceutical methods for dosimetry could be used for ToxCast chemicals](#)

[HHTK R Package became publicly available](#)

[HHTK expanded to include a human biological variability simulator based upon the CDC survey of modern U.S. population](#)

[Occupational focus added to HHTK R Package \(Linakis et al., Journal of Exposure Science and Environmental Epidemiology, in press\)](#)

1976

2008

2014

2016

2019

1983

2010

2015

2017

2020

[The Toxic Substances Control Act passed into law by Congress](#)

[Inception of the collaborative effort Toxicity Testing in the 21st Century \(Tox21\).](#)

[HHTK methods reviewed by a FIFRA Scientific Advisory panel “New High Throughput Methods to Estimate Chemical Exposure”](#)

[Frank R. Lautenberg Chemical Safety for the 21st Century Act \(Lautenberg Chemical Safety Act\) signed into law, amending TSCA, the nation’s primary chemicals management law](#)

[EPA administrator distributed memo directing EPA to develop an Action Plan for reducing the use of animals in chemical testing and using New Approach Methods to screen chemicals](#)