Dr. Douglas Popken (see also https://www.linkedin.com/in/doug-popken-3965239/) has over 30 years hands-on experience in operations research and analytics, and has worked with Dr. Tony Cox for over 20 of those. He has collaborated with Dr. Cox on numerous human health risk analyses, many of which are published in journals and easily found by searching on https://www.ncbi.nlm.nih.gov/pmc/. These efforts typically involved developing risk simulations. A set of these efforts formed the basis for a Franz Edelman Award for Drs. Cox and Popken from the Institute for Management Science and Operations Research. Drs. Cox and Popken, along with Richard Sun, coauthored the book "Causal Analytics for Applied Risk Analysis" (https://www.amazon.com/Analytics-Analysis-International-Operations-Management/dp/3319782401). For Cox Associates, he has also developed simulation models of complex business systems and processes, including leading all aspects of a case that identified a way to reduce trouble-ticket handling delays at a major telecommunications company by over 50%. He has also conducted pioneering research on the application of advanced statistical and signal processing algorithms to prediction of customer behaviors, successfully demonstrating that signal processing techniques can predict customer purchasing behaviors more successfully than competing methods from econometrics and time series analysis.

Beginning in 2013, Doug started working full-time for NextHealth Technologies (https://nexthealthtechnologies.com/) , a Denver technology company, cofounded by Dr. Cox, that provides a software platform that identifies and enables cost, health, and quality improvements for health insurance payors. Doug wrote the core algorithms that drive the optimization, statistics, and machine learning capabilities of the platform. He retired as Senior Vice President of Analytics of NextHealth in Fall 2019.

Outside Cox Associates, Dr. Popken offers operations research and analytics consulting services through his company, Systems View (http://www.systemsview.com).

Dr. Popken holds a Ph.D. in Operations Research from UC Berkeley and BS and M. Engr. degrees in Operations Research from Cornell University. He is an active member of the Institute for Operations Research and Management Science (INFORMS).