TriNetX

125 Cambridgepark Drive, Suite 500
Cambridge, MA 02140 USA

August 24, 2018

SUBJECT: Biostatistical Attestation

To Whom It May Concern:

TriNetX is a data and analytics platform which calculates biostatistics on a federated network of interconnected organizations. Data on the network originates from EMRs at healthcare organization (HCO) network members and resides on site at each HCO. Our platform queries data from HCOs throughout the network to analyze real world patient data. TriNetX Analytics provides statistical parameters, e.g. absolute risk, risk difference, risk ratio, p-values, odds ratio and 95% confidence intervals based on generally accepted and published formulas.

The calculations and formulas employed by TriNetX Analytics have been provided by Seth Kuranz, MPH. Seth is an Epidemiologist at TriNetX with an MPH from Boston University. Seth also supervised the implementation of the various analytics within the TriNetX Platform.

The methods and formulas were based on the following references:

- Rothman, K., Greenland, S., & Lash, TL. (2008). Modern Epidemiology, 3rd Edition. Philadelphia, PA: Lippincott Williams & Wilkins.
- Sullivan, Lisa M. Essentials of biostatistics in public health. Jones & Bartlett Publishers, 2011.

The selection of the theory/equations have been verified with various external stakeholders by:

- Becca Fink, BS in Biology from Duke University

The implementation of the statistical formulas was completed and verified by:

- Laura Evans, SB in Math from Massachusetts Institute of Technology
- Richard Rast, Ph.D. in Mathematics from University of Maryland
- Cindy Liu, BA in Biology and Masters in Information Technology from Harvard University

Together we confirm that the biostatistical methods used for the retrospective observational study “USING REAL WORLD DATA TO ASSESS CARDIOVASCULAR OUTCOMES OF TWO ANTIDIABETIC TREATMENT CLASSES” are appropriate for this research.

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2018-08-24

Seth Kuranz, MPH *Date*

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