

6th World Congress on

BREAST CANCER & THERAPY

October 16-18, 2017 | San Francisco, USA

How to report statistics in medicine

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The author suspects you do not have the time or desire to learn all the nuances, formulas and theories in statistical computations. You just want to know what tests/methods to use for your study and what needs to be reported. Whether you are reporting results to the FDA or in the medical literature or to upper management, etc. you will need to ensure you are reporting your results accurately, for your type of study. You can think of my guidelines as Cliff's Notes for reporting statistics in medicine. This is just a small snapshot of the comprehensive guide. The author will discuss the following three common study objectives: group comparison, performance goal, identify risk factors. For each of the three common study objectives, firstly the author will present examples of accurately stating the objectives. Secondly, the author will provide a comprehensive template for reporting the results from each of the three types of studies. The templates will include relevant medical examples, numeric results, statistical findings, tests/methods, etc. Finally, the author will provide the full list of concepts covered in my guidelines.

Biography

Michelle Secic has over 25 years of biostatistical experience. She has worked as a Biostatistician at the Cleveland Clinic Foundation (CCF) for 11 years and was Manager of the Research Section of the Transplant Center at CCF. She then became President of Secic Statistical Consulting, Inc. where she collaborates with researchers from hospitals, pharmaceutical companies, medical device companies and CROs around the world. She coauthored the book, *How to Report Statistics in Medicine: Annotated Guidelines for Authors, Editors and Reviewers* which was published by The American College of Physicians (1st edition 1997, translation to Chinese 2002, 2nd edition 2006, translation into Japanese 2010, translation into Russian 2013). This book is referenced by the FDA in their guidance for industry document, statistical guidance on reporting results from studies evaluating diagnostic tests.

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