Many of the faculty members in Statistics are interested and active in health sciences big data. Some have experience within the particular area of health sciences big data; others work in the general areas of big data technology and analytics. These faculty include:

Elizabeth Slate  Experimental designs, Clinical trials, and Health Data Analytics;
Deb Sinha        Bayesian Statistical Inference, Cancer data analysis, Biostatistics;
Anuj Srivastava  High-dimensional data analysis, Computer vision, and image understanding;
Wei Wu           Neuroscience, Neural Engineering, Bioinformatics, and Biomedical Signal Processing.
Adrian Barbu     Machine learning, Computer vision, and Medical image understanding;
Jinfeng Zhang    Genomics, Health Data Analytics, Text mining, and Machine learning;

My department has a Statistical Data Science major program started in the Fall of 2015 and attracted more than 40 master students in the last three years. The program emphasizes hands-on training in the application of statistical methods and the use of computational and analytic software geared toward producing highly employable Masters degree students. The degree may be completed in three semesters and requires 32 units. A SAS certificate offered jointly with the SAS Institute International may be obtained simultaneously.

Our future interests in the area of health sciences big data include close collaboration on genomics and cancer data analysis with College of Medicine, Neuroscience groups on the campus, and College of Communication & Information.