

1145-00-456

**Mason Remington\*** (mason.remington@my.simpson.edu), **Levi Lefebure** and **Graham Brooks**. *Counting Sheep: Why Sleep Apnea is a Real Concern for Individuals with Down Syndrome*. Preliminary report.

Down syndrome Disintegrative Disorder (DSDD) is newly emerging in clinical literature. Most of the studies only focus on the appearance of this disorder, and not the etiology. Our objective is to explore the relationship between sleep apnea and DSDD. A survey monkey survey was emailed out to patients at Massachusetts General Hospital's Down syndrome (DS) clinic and posted on Facebook. The survey gathered mostly qualitative data with yes/no, multiple choice, and open-ended questions. Of the 191 respondents (27%), 115 were aged 10-35. These are the ages where DSDD is commonly diagnosed. For these two groups, we saw a statistically significant difference in the number of hospitalizations, whether they have regressed, and their mean age of regression. There is a relationship between sleep apnea and DSDD. (Received September 06, 2018)