**Date**: 8/23/2017

**Attendees**: Helen, Asiyah, Karen, Yage

**Discussed**:

1. Detailed text mining method to convert free text to normalized text for further data analyses (1\_BI\_Text\_Mining\_Method.pptx).
2. Reviewed keyword frequency and discussed how to update searching methods (3\_Keywords\_Word\_Frequency\_0823.xlsx).
3. Reviewed quality control vectors (2\_Quality\_Control\_Data.xlsx).
4. Reviewed word cloud chart (5\_Social\_Media\_BI\_Word\_Cloud.png)

**Action items**:

Yage & Zheng:

1. To further explain original natural language processing (e.g. provide stop-word sample).
2. To modify the method of manufacturer: mapping the original manufacturer name to standardized manufacturer name first, and then use them for keyword searching.
3. To develop an **integrated** BI text mining method report (including which columns used for retrieval, detailed retrieval method of special cases, biomarkers, etc.)
4. To update the word frequency based on updated methods and new keywords.
5. To flag and provide examples of “conflict” records (e.g. for fill types, both “saline” and “silicone” appear in the same text).
6. To send some sample website for creating word cloud chart.
7. To develop statistical analyses model, e.g. logistic regression for association analysis.
8. To update team next semester’s available schedule

Helen & Asiyah:

1. Update keywords list and send to Zheng & Yage (Done).
2. Send feedback of QC from last week by Friday.

[Meeting adjourned.]