
**Analytic Solutions for Real-Time Biosurveillance
Negation Processing in Free Text Data**

January 19-20, 2017
Salt Lake City, Utah

Purpose:

To explore approaches to negation processing for free text data used in syndromic surveillance (chief complaint, triage notes)

Consultancy Day 1: January 19, 2017	
9:00	Meet and Greet with Continental Breakfast
9:30	Welcome to Utah & Introductions Moderator: Mike Conway
10:00	Overview of Consultancy Goals and Requirements Moderator: Karl Soetebier (Georgia DOH) <ul style="list-style-type: none"> ○ Utah ○ Tennessee ○ Georgia ○ Boston ○ North Carolina <ul style="list-style-type: none"> - Summary of challenges faced across all of the participating health departments and scope for meeting - Review different types of free text data in scope for discussion - What we should and should not be looking at - Performance requirements from DOH perspective - Acceptable level of human involvement - Acceptable level of missing negations / false positive vs. false negative
12:00	Lunch Provided
12:45	Overview of NLP and current trends in negation processing <i>Mike Conway & Danielle Mowery</i>
1:45	NLP Negation Approach Presentations and Discussion Specific examples and outputs from provided data and morning scope and requirements discussion <ul style="list-style-type: none"> - How amenable are these approaches to these data and negation problem types - Modifications needed - Strengths and weaknesses - Processing considerations

	Speakers from NLP groups										
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	<i>Moderated Group Discussion</i>										
2:45	Coffee Break										
3:15	NLP Negation Approach Presentations and Discussion Continued										
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4:30	Wrap-Up and Plan for Day 2										
5:00	Adjourn										
6:30	Group Dinner										

Consultancy Day 2: January 20, 2017	
8:00	Continental Breakfast
8:30	Recap of Day 1 and Goals for Day 2 <i>Mike Conway & Howard Burkom</i>
9:00	Summary of Gaps in Current Negation Processing Techniques for Syndromic Surveillance <i>Moderated Group Discussion</i>
9:30	Fleshing out Requirements for a comprehensive negation processing solution for free text data <i>Moderated Group Discussion</i>
10:30	Break
11:00	Moderated Group Discussion <i>Topics TBD based on on-site discussion</i>
12:00	Next Steps and Closing <i>Howard Burkom</i>
12:15	Working Lunch Meeting Hot wash and Open Discussion Potential for publication of meeting findings
1:30	Adjourn

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