

Examples of EMERSE in Action

The Bundles, or saved search, screen is where users can build a list of terms in a saved search that can be reused and shared with other users. It allows for customized color-coding. This image shows a large set of related concepts and synonyms being suggested to the user after entering the term "alcohol." These additional terms can help expand the scope of the search to ensure that all of the appropriate concepts are highlighted.

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The Mosaic view of EMERSE features each patient (rows) and document sources (columns) with colors shown in each cell representing the terms that were found in the patient notes. For example, for the top patient, four concepts were found in the pathology data source: tobacco, alcohol, asbestos, and radiation. Note: Patient names are fictitious.

MRN	Patient Name	Careweb	Radiology	Pathology
1000000035	Lucchessi, Vincenzo			
1000000001	Haas, Christine			
1000000036	Scoutten, Marilyn			
1000000040	Chen, John			
1000000044	Taylor, Jonathon			
1000000002	Hemminger, Diane			
1000000047	Patel, Joshua			
1000000048	Fay, Pat			
1000000049	Bloom, Harrison			

The Summaries view of EMERSE is reached by clicking on one of the cells seen in the Mosaic view. Each row represents a clinical document from a specific patient and a specific document source. Concepts that are found are highlighted and shown in brief snippets so the context can be reviewed. This helps users quickly scan the results to find the document(s) of interest. Clicking on a row takes the user to the note itself, with all of the terms still highlighted.

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Summary	Report Date	Case Date	Doctor Num	Read
	10/01/2011	09/30/2011	483476	N
	10/01/2011	09/30/2011	474524	N
...(all grown); denies tobacco / alcohol /illicit drug use ...	10/01/2011	09/30/2011	482694	Y
... She denies smoking, alcohol , or drug abuse history...	10/01/2011	09/30/2011	476659	N
...The patient denies any alcohol or illicit drug use. Per...	10/01/2011	09/30/2011	480046	N
...significant PMhx except for tobacco use and Rt humerus fx...	10/01/2011	09/30/2011	475950	N
...denies any history of tobacco , alcohol , or intravenous drug...	10/01/2011	09/30/2011	473265	N
...She was treated with radiation therapy and concurrent...	10/01/2011	09/30/2011	475500	Y
...treated with postoperative radiation or chemotherapy. In...	10/01/2011	09/30/2011	473136	N
...wife is not aware of any asbestos or silica exposure. He...	10/01/2011	09/30/2011	480980	N
...denies any smoking or alcohol history. PHYSICAL EXAMINATION:...	10/01/2011	09/30/2011	471924	N
...Ford, 25 pack year h/o tobacco use - quit when diagnosed...	10/01/2011	09/30/2011	471833	N
	10/01/2011	09/30/2011	472821	N
	10/01/2011	09/30/2011	478445	N
	10/01/2011	09/30/2011	471851	N