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Generating All Partial Matches (Browse Mode)

MetaMap's Browse Mode is intended to cast as wide a net as possible in mapping text to UMLS concepts, and will identify concepts even only vaguely related to the input text.

Browse Mode should be used only on input text consisting of List of Terms or List of Terms with ID, and is invoked using the `-Cozmic` options:

- `-C`: `--relaxed_model`; explained here
- `-o`: `--allow_overmatches`; explained below
- `-z`: `--term_processing`; explained here
- `-m`: `--hide_mappings`; explained below
- `-i`: `--ignore_word_order` explained here
- `-c`: `--show_candidates`; explained below

The `--allow_overmatches` option enables MetaMap to retrieve Metathesaurus concepts containing words on one or both ends that do not match the text. For example, overmatches of *medicine* include `Alternative Medicine`, `medicine evaluation`, and `occupational medicine field`.

The `--hide_mappings` and `--show_candidates` cause MetaMap to suppress the default display of final mappings, but instead display the candidate concepts found. The `--hide_mappings` option assumes that MetaMap is generating human-readable output.

Beware: Browse Mode will open the floodgates and generate a very large number of UMLS concepts. This mode of processing can also be computationally expensive if called on strings containing words that occur in many UMLS concepts (e.g., *device*, *human*, *medical*, *protein*, *surgical*, etc.). For example, calling `metamap -Cozmic` on *human protein* or *surgical device* will generate over 100,000 concepts!

Because of the large volume of output generated, we recommend that Browse Mode and variations thereon be used to generate only Human-Readable Output.