Cognizant Neuro®
Transcription Enrichment

Scenario 1: Gender Mismatch (known/unknown gender)

If known gender (male/female) is detected in narrative, any usage of opposite gender-based pronouns should be captured by tool. If no gender information is reported (or unknown gender is reported), then any male/ female gender-based pronouns should be highlighted.

Note: No exception scenarios provided.

E.g.: If the narrative is about a "Male" patient, then usage of gender-based pronouns like "she, her, herself..." is an error and should be captured by tool. Also, if no gender is mentioned, then usage of "she, he, his, her…" is an error and should be captured.

Scenario 2: Wrong Pronoun

Narration is expected to be in indirect speech. Hence usage of 1st/ 2nd person pronouns is an error.

Note: Tool doesn't check/ change the narration from direct to indirect speech.

E.g.: 1st person pronouns (I, we, us, me …), 2nd person pronouns (you, your, yours, yourself …) should be captured by tool. For example: The patient was seen by me on last monday.

Scenario 3: Tense error

The narrative in the section 'History of Present Illness' (HPI) should be written in Past tense.

E.g.: This case involves a 61-year-old male patient. Here "involves" should be captured as error and replaced by its past verb-form "involved".

Scenario 4: Spelling/ No-Single-Spacing error

Report all spell/ no-spacing errors and provide multiple suggestions, if applicable. Tool should also provide "Update Dictionary" option to users.

E.g.: The ==patint== had history of chronic kidney disease. Highlight and replace "patint" by "patient".

Scenario 5: Special Character

Highlight all disallowed special characters and sentence construction errors for allowed special characters (no/ extra spacing/ repetition associated with it). Also, highlight the mismatched parenthesis.

List of allowed special characters is as follows: **!\#$%&'()*+,-./:;<=>?@[]^_`{|}**

Note: Single quote is disallowed but it is allowed as apostrophe. Default replacement suggestion of disallowed special characters is NULL.

E.g.: Patient program name:== == "ABC_0123_XYZ==" ==.

Scenario 6: Repetition

Highlight consecutive repetitions of words or phrases.

E.g.: No relevant history ==was was== received.

Scenario 7: Extra Spacing

Highlight extra spacing between words.

E.g.: The patient is suffering from == == chronic disease.

Scenario 8: Wrong Date Patterns

Checks different date patterns and finds incorrect/ incomplete dates where day/ month is wrong or there exists incomplete year.

Note: Almost all the date patterns are considered. For MMDDYYYY/ DDMMYYYY pattern dates, first mm-dd-yyyy is checked, then dd-mm-yyyy pattern is checked, if both are invalid, then it is mentioned is error.

E.g.: 1-==Jna==-2020 (wrong month, suggestion: 01-Jan-2020), ==14-13-20== (incomplete year, invalid month)

Scenario 9: Abbreviation

Expansion of abbreviations should be followed by the abbreviation within parenthesis. Proper convention: Chronic Kidney Disease (CKD). Any exception of this convention should be reported as an error. Highlight all the error instances.

Note: For these cases abbreviated form will not get captured: 1. VACCINE NAMES, 2. some most commonly used allowed abbreviations (e.g. HCP, DOI, IME …). Also, for abbreviations written in lower case, tool doesn't count it as abbreviation (e.g. ckd, copd, naat…).

E.g.: ==AHF== (Alkhurma hemorrhagic faver), ==CKD== and ==AIP== (Acute intermittent porphyria) are dangerous.

Scenario 10: Dosage Frequency

Any usage of dosage frequency abbreviations is error (irrespective of whether expansion given or not) and the corresponding description is suggested.

E.g.: Take one medicine ==BID== or (==BID== – twice a day) and the injection is prescribed for ==QD==.

Scenario 11: Past Tense

Any usage of past tense verb in the 'PLAN' section should get highlighted as an error. Currently, no suggestion is being provided.

E.g.: I ==discussed== hyaluronic acid injections in the future as well.