ICD-10 Validations in eTHOMAS

This document will detail:

- The requirements for ICD-10 input
- The built-in validation for ICD-10 code entry
- eTHOMAS validation messages

Facts to know about ICD-10 Codes
- ICD-10 codes begin with an alpha character
    - Except for U, this is not a leading character in any ICD-10 code
- The second digit is numeric
- ICD-10 codes are between 3-7 characters in length
- A decimal is used after the 3rd character
- Character X is used as a 5th character placeholder in certain 6 character codes to allow for future expansion.
    - Example: T46.1X5A – Adverse effect of calcium channel blocks, initial encounter
    - Example: T15.02XD –Foreign body in cornea, left eye, subsequent encounter
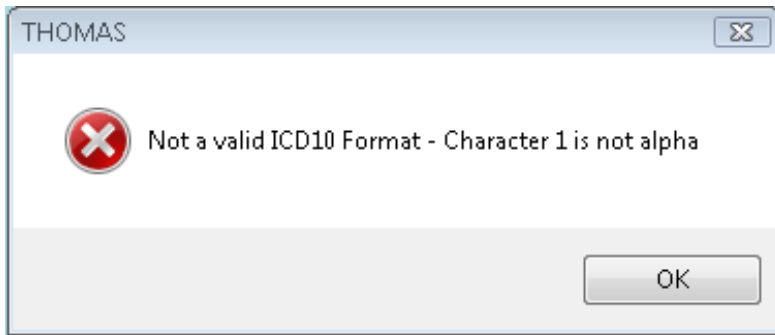
Information from http://www.cms.gov/Medicare/Coding/ICD-10/downloads/ICD-10QuickRefer.pdf

Validations used in eTHOMAS when adding an ICD-10 code
eTHOMAS has specific validations built into the program to assist users with key code entry. If the code does not meet the requirements the user will be presented with a prompt to correct the code. Here is an example of an actual ICD-10 Code entered into THOMAS using the correct format.
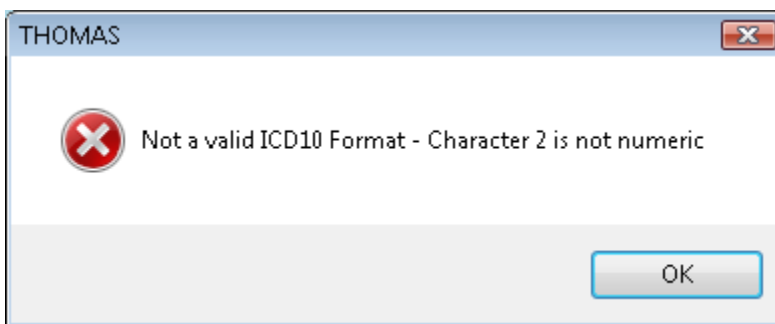

- The first character must be an alpha character
- The second position must be numeric
- If a decimal is present, if must be after the 3rd character/number
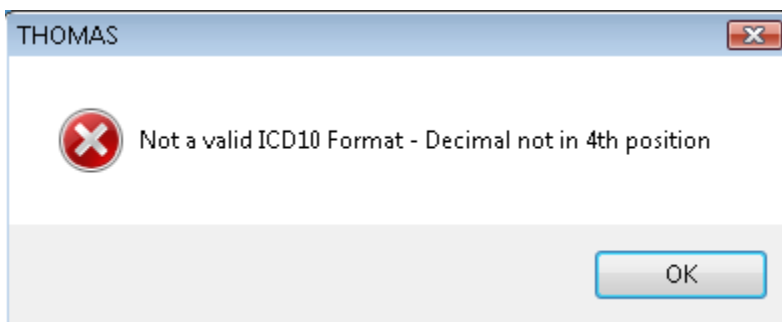- The 1st character cannot be a U

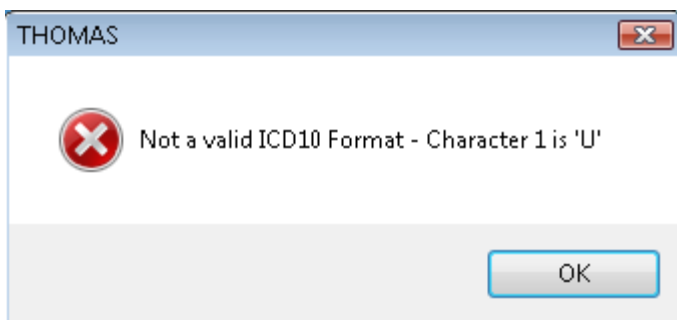Listed are the various validation messages that will pop up when the ICD-10 code does not meet the criteria required.

THOMAS ☒ ❌ Not a valid ICD10 Format - Character 1 is not alpha OK	The first character must be an alpha character and not a U. Make the necessary changes in the ICD-10 box within the diagnosis code.
THOMAS ☒ ❌ Not a valid ICD10 Format - Character 2 is not numeric OK	The second position must be numeric. Make the necessary changes in the ICD-10 box within the diagnosis code.
THOMAS ☒ ❌ Not a valid ICD10 Format - Decimal not in 4th position OK	If a decimal is present, if must be after the 3rd character/number. Make the necessary changes in the ICD-10 box within the diagnosis code.
THOMAS ☒ ❌ Not a valid ICD10 Format - Character 1 is 'U' OK	The 1st character cannot be a U. Make the necessary changes in the ICD-10 box within the diagnosis code.