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| ITEM | ISSUE | EXPECTED VALUE | R SCRIPT | Update |
| AGE\_GRP | Does not assign Age group when age is “0m” , “30d”, “nb” (nb = new born) | A | regular\_data\_cleaning\_ver2.R  (thus affects output of: merge\_cleaned\_data.R) | Done:  Add the following values on the reference excel file |
| AGE | Some ages are represented as floats (e.g., 12.0, 45.0), which could be related to an issue with AGE\_GRP (no age group assigned when age is a float). | A,B,C, or D | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R |  |
| NOSOCOMIAL | No other output Except Y. (N, O, X, U is missing.)  Use 2 days instead of 4 when computing the date difference for assigning nosocomial infections. | N, O, X, Y, U | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Done |
| X\_REFERRED | Check code (most of the data are “1”) | 1 – for referred data only  Blank – not referred | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Done |
| MRSA | Convert:  “0” to -  “1” to +  Delete “A”  Convert “P” to + | + or - | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Done |
| ESBL | Delete “(“, “2”, “G”, “O”, “W”  Convert:  N to –  P to +  -- (underline) to – | + or - | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Done |
| CARBAPENEM | Delete “2” or any other values | + or - | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Done |
| X\_MRSE | Convert:  ++ to +  0 to –  1 to + | + or - | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Done |
| X\_CARB | Delete “Q”  Convert:  0.0 or 0 to –  1.0 of 1 to + | + or - | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R |  |
| Antibiotic Entries | Delete Non Quantitative Values (R, I, or S)  Standardize the values of Antibiotics |  | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Done |
| For spn organisms | PEN\_ND transfer values to 🡪 OXA\_ND |  | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Done  If PEN\_ND is not empty, transfer value to OXA\_ND |
| MRSA | Check interpretation rules for MRSA using the “WHONET rules for data cleaning.” |  | regular\_data\_cleaning\_ver2.R  referred\_data\_cleaning.R | Typo in the MRSA rule. fox\_value should be >= 22 and not >=2 |
| ND Antibiotics | Convert To INT delete any other values like “.” (period) \ etc. | e.g. 12, 25 |  |  |
| Sex | Delete any other values | f or m |  | Done |