Excel Data Validation

# **Description**

My clinic uses a lot of Excel, and it’s useful to be able to validate data entry. Here is a cheat sheet of some data validation rules we use frequently.

# **Notes**

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| **Data Condition** | **Excel Formula** |
| Email | =ISNUMBER(MATCH("\*@\*.?\*", A1, 0)) |
| Value exists in column *<col>* of table *<table>* | =NOT(ISNA(MATCH(A1,INDIRECT("*<table>*[*<col>*]"),0))) |
| U.S. phone number. Stored as text, not number. Ten or 11 digits. | =AND(NOT(ISERROR(VALUE(A1))), INT(A1)=VALUE(A1), OR(LEN(A1)=10, LEN(A1=11))) |
| IPv4 address  (Taken from [Stack Overflow](https://stackoverflow.com/questions/64370168/data-validation-for-ip-address-in-excel)) | =AND(COUNT(FILTERXML("<t><s>"&SUBSTITUTE(A1,".","</s><s>")&"</s></t>","//s[.\*1>-1][.\*1<256]"))=4,LEN(A1)-LEN(SUBSTITUTE(A1,".",""))=3) |
| MRN: three zeroes followed by any six digits. | =AND(LEN(A1)=9,NOT(ISERROR(VALUE(A1))),VALUE(A1)=VALUE(RIGHT(A1,6))) |