Analysis of electronic prescribing quality related incidents: look-alike sound-alike medications

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OBJECTIVES
1. Identify error-prone medications for electronic prescribing; 2. Compare current guidelines for electronic display of medication information to assess their scope in potentially preventing look-alike sound-alike (LASA) errors in the electronic setting. 3. Provide recommendations for a comprehensive set of standards to further reduce medication errors associated to e-prescribing.

METHODS
-This study was a retrospective cross-sectional descriptive analysis of e-prescribing quality related events reported to two national web-based error reporting systems. 15
-Reports from 2011 to 2015 were reviewed independently to identify incidents related to look-alike sound-alike (LASA) medications.

RESULTS
Of the 1,139 events reviewed for incidents related to LASA medications, 177 events were identified to have occurred as a result of incorrect drug selection.10 There were 87 potential unique LASA drug pairs, 7 pairs were observed to occur more than on one occasion.

DISCUSSION/CONCLUSION
1. Use 'million' instead of 'mega' -Use comma to separate groups of 3 digits -Use leading zeros -Do not use trailing zeros -Approved/consistent formatting spacing between numbers and labels
2. Use comma to separate groups of 3 digits -Use commas to separate groups of 3 digits -Use commas to separate groups of 3 digits -Avoid abbreviations -Use full pharmacy address
3. Use contact phone number
4. Use national Tall Man lettering
5. Use DAW codes
6. Use easy to read font and size
7. Use structured and codified Sig identifier
8. Appropriate use of notes
9. Use weight/surface area when required
10. Use structured and codified Sig

REFERENCES

DISCLOSURE
This project was supported by a grant from The Community Pharmacy Foundation.