


Technology alone does not achieve error reduction – a study of handwritten, tick-sheet, ink stamp and electronic medical prescriptions

Supplementary: Data sheets

Hospital: Northdale Primary


ERRORS IN PRESCRIBING

Prescribing Method: Ink Stamp

|  | Error Class | | | | | | |
|---|--|---|---|---|----------------------------------|----------------------------------|------------------------------|
| | Illegibility <i>(Cannot identify)</i> | Ambiguous <i>(Is it this or that?)</i> | Incomplete <i>(Something left out)</i> | Abbreviation <i>(Non-accepted abbrev.)</i> | Inaccuracy <i>(Too vague)</i> | Incorrect <i>(just wrong)</i> | Omitted <i>(left out)</i> |
| Prescription Aspect <i>(with correct example)</i> | Drug name <i>(Folic Acid)</i> | 2 | 1 | | | | |
| | Strength <i>(5mg)</i> | 1 | 3 | | | | |
| | Frequency <i>(3x/week)</i> | | | | | | 3 |
| | Route <i>(po)</i> | | | | | | 119 |
| | Which eye <i>(LE)</i> | 2 | | | | | 114 |
| | Amount/Time <i>(x 1/12)</i> | 1 | 1 | | | | 4 |
| | Prescriber <i>(Dr Bab)</i> | 17 | | | | | 3 |
| | Date <i>(28/02/2020)</i> | | 1 | | | | |
| Essential medication omitted | 76 | Other Errors Allergic to Rx; 2 | | | | Total scripts: | 488 |
| Incorrect medication included | | | | | | Total errors: | 470 |
| Medication prescribed twice | 12 | | | | | Error %: | 96% |
| Script not found or incorrect form used | 108 | | | | | % Pre-op Complication | 30% |


C-H Kruse 2020

ERRORS IN PRESCRIBING

|  | | Error Class | | | | | | |
|---|----------------------------------|--|---|---|---|----------------------------------|----------------------------------|------------------------------|
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| Prescription Aspect <i>(with correct example)</i> | Drug name <i>(Folic Acid)</i> | 2 | 3 | | | | | |
| | Strength <i>(5mg)</i> | 1 | | | | | 2 | |
| | Frequency <i>(3x/week)</i> | | | | | | 2 | 1 |
| | Route <i>(po)</i> | | | | | | | 1 |
| | Which eye <i>(LE)</i> | | 3 | | | | | 6 |
| | Amount/Time <i>(x 1/12)</i> | | | | | | 3 | |
| | Prescriber <i>(Dr Bab)</i> | 55 | | | | | | |
| | Date <i>(28/02/2020)</i> | | 4 | | | | 3 | |
| Essential medication omitted | | 52 | | Other Errors Patient name missing = 8 Patient allergic to Rx = 1 | | | Total scripts: | 331 |
| Incorrect medication included | | | | | | | Total errors: | 163 |
| Medication prescribed twice | | 5 | | | | | Error %: | 49% |
| Script not found or incorrect form used | | 11 | | | | | % Pre-op Complication | 24% |


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|  | | Error Class | | | | | | |
|---|----------------------------------|--|---|--|---|----------------------------------|----------------------------------|------------------------------|
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| Prescription Aspect <i>(with correct example)</i> | Drug name <i>(Folic Acid)</i> | 1 | | | | | | |
| | Strength <i>(5mg)</i> | 1 | | | | | 4 | |
| | Frequency <i>(3x/week)</i> | 1 | 1 | | | | | |
| | Route <i>(po)</i> | | | 5 | 3 | | | |
| | Which eye <i>(LE)</i> | | | | | | | |
| | Amount/Time <i>(x 1/12)</i> | | 15 | 15 | | | | |
| | Prescriber <i>(Dr Bab)</i> | 5 | | | | | | |
| | Date <i>(28/02/2020)</i> | | 1 | | | | 4 | 2 |
| Essential medication omitted | | 75 | | Other Errors (5) Positive allergy but which type? = 2 No signature: 3 | | | Total scripts: | 355 |
| Incorrect medication included | | 5 | | | | | Total errors: | 180 |
| Medication prescribed twice | | 12 | | | | | Error %: | 51% |
| Script not found or incorrect form used | | 25 | | | | | % Pre-op Complication | 34% |

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ERRORS IN PRESCRIBING

|  | | Error Class | | | | | | |
|---|----------------------------------|--|---|---|---|----------------------------------|----------------------------------|------------------------------|
| | | Illegibility <i>(Cannot identify)</i> | Ambiguous <i>(Is it this or that?)</i> | Incomplete <i>(Something left out)</i> | Abbreviation <i>(Non-accepted abbrev.)</i> | Inaccuracy <i>(Too vague)</i> | Incorrect <i>(just wrong)</i> | Omitted <i>(left out)</i> |
| Prescription Aspect <i>(with correct example)</i> | Drug name <i>(Folic Acid)</i> | | | | | | | |
| | Strength <i>(5mg)</i> | | | | | 67 | 19 | |
| | Frequency <i>(3x/week)</i> | | | | | | 1 | |
| | Route <i>(po)</i> | | | | | | | |
| | Which eye <i>(LE)</i> | | | | | | | 248 |
| | Amount/Time <i>(x 1/12)</i> | | | | | | | |
| | Prescriber <i>(Dr Bab)</i> | | | | | | | |
| | Date <i>(28/02/2020)</i> | | | | | | | |
| Essential medication omitted | | 134 | | Other Errors | | | Total scripts: | 487 |
| Incorrect medication included | | 4 | | | | | Total errors: | 494 |
| Medication prescribed twice | | 21 | | | | | Error %: | 101% |
| Script not found or incorrect form used | | | | | | | % Pre-op Complication | 40% |

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