ERROR-PRONE ABBREVIATIONS, SYMBOLS, AND DOSE DESIGNATIONS

This list presents abbreviations, symbols, and dose designations that are considered prone to causing medication errors. These items should be considered "dangerous" for handwritten, preprinted, or electronic forms of communication.

Abbreviations	Intended Meaning	Misinterpretation	Correction
μg	Microgram	Mistaken as "mg"	Use "mcg"
1 3	J	Mistaken as OD, OS, OU (right eye, left eye,	Use "right ear," "left ear," or
AD, AS, AU	Right ear, left ear, each ear	each eye)	"each ear"
		Mistaken as AD, AS, AU (right ear, left ear,	Use "right eye," "left eye," or
OD, OS, OU	Right eye, left eye, each eye	each ear)	"each eye"
BT	Bedtime	Mistaken as "BID" (twice daily)	Use "bedtime"
CC	Cubic centimeters	Mistaken as "u" (units)	Use "mL"
		Premature discontinuation of medications if	
		D/C (intended to mean "discharge") has been	11 "-1!1"1
D/C	Discharge or disceptinue	misinterpreted as "discontinued" when followed by a list of discharge medications	Use "discharge" and "discontinue"
IJ	Discharge or discontinue Injection	Mistaken as "IV" or "intrajugular"	Use "injection"
IN	Intranasal	Mistaken as "IM" or "IV'	Use "intranasal" or "NAS"
HS	Half-strength	Mistaken as bedtime	Use "half-strength" or
hs	At bedtime, hours of sleep	Mistaken as half-strength	"bedtime"
IU**	International unit	Mistaken as IV (intravenous) or 10 (ten)	Use "units"
		Mistaken as "right eye" (ODS-oculus dexter),	
		leading to oral liquid medications	
o.d. or OD	Once daily	administered in the eye	Use "daily"
		Mistaken as OD or OS (right or left eye);	
		drugs meant to be diluted in orange juice may	
OJ	Orange juice	be given in the eye	Use "orange juice"
	5 " "	The "os" can be mistaken as "left eye" (OS-	Use "PO," "by mouth," or
Per os	By mouth, orally	oculus sinister)	"orally"
		Mistaken as q.i.d., especially if the period	
q.d. or QD**	Every day	after the "q" or the tail of the "q" is misunderstood as an "l"	Llee "deily"
q.u. or QD qhs	At bedtime	Mistaken as "qhr" or every hour	Use "daily" Use "at bedtime"
qn	Nightly	Mistaken as "qh" (every hour)	Use "nightly"
911	Tughty	Mistaken as "q.d." (daily" or "q.i.d. (four times	USC Trightiy
q.o.d. or QOD**	Every other day	daily) if the "o" is poorly written	Use "every other day"
q1d	Daily	Mistaken as q.i.d. (four times daily)	Use "daily"
		, , , , , , , , , , , , , , , , , , , ,	Use "6 PM nightly" or "6 PM
q6PM, etc.	Every evening at 6 PM	Mistaken as every 6 hours	daily"
		SC mistaken as SL (sublingual); SQ mistaken	
		as "5 every;" the "q" in "sub q" has been	
		mistaken as "every" (e.g., a heparin dose	
		ordered "sub q 2 hours before surgery"	Use "subcut" or
SC, SQ, sub q	Subcutaneous	misunderstood as every 2 hours before surgery)	"subcutaneously"
30, 30, 300 q	Sliding scale (insulin) or ½	Surgery)	Spell out "sliding scale;" use
SS	(apothecary)	Mistaken as "55"	"one-half" or "1/2"
-50	(=,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Mistaken as selective-serotonin reuptake	J. J. Hall St. III
SSRI	Sliding scale regular insulin	inhibitor	
	ŭ ŭ	Mistaken as Strong Solution of Iodine	Spell out "sliding scale
SSI	Sliding scale insulin	(Lugol's)	(insulin)"
t/d	One daily	Mistaken as "tid"	Use "1 daily"
		Mistaken as "3 times a day" or "twice in a	
TIW or tiw	3 times a week	week"	Use "3 times weekly"
		Mistaken as the number 0 or 4, causing a 10-	
		fold overdose or greater (e.g., rU seen as	
		"40" or 4u seen as "44"); mistaken as "cc" so dose given in volume instead of units (eg., 4u	
U or u**	Unit	seen as 4cc)	Use "unit"
UUIU	UTIIL	30011 d3 400)	USC UIIII

Dose Designations And Other Information	Intended Meaning	Misinterpretation	Correction
Trailing zero after decimal point (e.g., 1.0 mg)**	1 mg	Mistaken as 10 mg if the decimal point is not seen	Do not use trailing zeros for doses expressed in whole numbers
No leading zero before a decimal dose (e.g., .5 mg)**	0.5 mg	Mistaken as 5 mg if the decimal point is not seen	Use zero before a decimal point when the dose is less than a whole unit
Drug name and dose run together (especially problematic for drug names that end in "L" such as Inderal40 mg; Tegretol300 mg)	Inderal 40 mg Tegretol 300 mg	Mistaken as Inderal 140 mg Mistaken as Tegretol 1300 mg	Place adequate space between the drug name, dose, and unit of measure
Numerical dose and unit of measure run together (e.g., 10mg, 100mL)	10 mg 100 mL	The "m" is sometimes mistaken as a zero or two zeros, risking a 10- to 100-fold overdose	Place adequate space tween the dose and unit of measure
Abbreviations such as mg. or mL. with a period following the abbreviation	mg mL	The period is unnecessary and could be mistaken as the number 1 if written poorly	Use mg, mL, etc. without a terminal period
Large doses without properly placed commas (e.g., 100000 units; 1000000 units)	100,000 units 1,000,000 units	100000 has been mistaken as 10,000 or 1,000,000; 100000 has been mistaken as 100,000	Use commas for dosing units at or above 1,000, or use words such as 100 "thousand" or 1 "million" to improve readability
Drug Name Abbreviations	Intended Meaning	Misinterpretation	Correction
ARA A	Vidarabine	Mistaken as cytarabine (ARA C)	Use complete drug name
AZT	Zidovudine (Retrovir) Compazine	Mistaken as azathioprine or aztreonam	Use complete drug name
CPZ	(prochlorperazine) Demerol-Phenergan-	Mistaken as chlorpromazine Mistaken as diphtheria-pertussis-tetanus	Use complete drug name
DPT	Thorazine Diluted tincture of opium, or deodorized tincture of opium	(vaccine)	Use complete drug name
DTO	(Paregoric)	Mistaken as tincture of opium	Use complete drug name Use complete drug name
HCI	Hydrochloric acid or hydrochloride	Mistaken as potassium chloride (The "H" is misinterpreted as "K")	unless expressed as a salt of a drug
HCT	hydrocortisone	Mistaken as hydrochlorothiazide Mistaken as hydrocortisone (seen as	Use complete drug name
HCTZ	hydrochlorothiazide	HCT250 mg)	Use complete drug name
MgS04**	magnesium	Mistaken as morphine sulfate	Use complete drug name
MS, MS04**	morphine sulfate	Mistaken as magnesium sulfate	Use complete drug name
MTX	methotrexate	Mistaken as mitoxantrone	Use complete drug name
PCA	procainamide	Mistaken as Patient Controled Analgesia	Use complete drug name
PTU	propylthiouracil	Mistaken as mercaptopurine	Use complete drug name
T3	Tylenol with codeine No. 3	Mistaken as liothyronine	Use complete drug name
TAC	triamcinolone	Mistaken as tetracaine, Adrenalin, cocaine	Use complete drug name
TNK	TNKase	Mistaken as "TPA"	Use complete drug name
ZnS04	Zinc sulfate	Mistaken as morphine sulfate	Use complete drug name

Stemmed Drug Names	Intended Meaning	Misinterpretation	Correction
"Nitro" drip	Nitroglycerin influsion	Mistaken as sodium nitroprusside influsion	Use complete drug name
"Norflox"	Norfloxacin	Mistaken as Norflex	Use complete drug name
"IV Vanc"	Intravenous vancomycin	Mistaken as Invanz	Use complete drug name
Symbols	Intended Meaning	Misinterpretation	Correction
3	Dram	Symbol for dram mistaken as "3"	
my	Nubun	Symbol for minim mistaken as "mL"	Use the metric system
x3d	For three days	Mistaken as "3 doses"	Use "for three days"
		Mistaken as opposite of intended; mistakenly	Use "greater than" or "less
> and <	Greater than and less than	use incorrect symbol; "< 10" mistaken as "40"	than"
/ (slass mark)	Separates two doses or indicates "per"	Mistaken as the number 1 (e.g., "25 units/10 units" misread as "25 units and 110" units)	Use "per" rather than a slash mark to separate doses
@	At	Mistaken as "2"	Use "at"
&	And	Mistaken as "2"	Use "and"
+	Plus or and	Mistaken as "4"	Use "and"
۰	Hour	Mistaken as a zero (e.g., q2° seen as q 20)	Use "hr," "h," or "hour"

^{**} Identified abbreviations above are also included on the JCAHO's "minimum list" of dangerous abbreviations, acronyms, and symbols that must be included on an organization's "Do Not Use" list, effective May 1, 2005. Reprinted with permission © ISMP 2006.