

# Top 300 Drug List

The attached list represents most of the drugs you will encounter as interns, techs, and later as pharmacists. You will also encounter them repeatedly throughout the curriculum. At the conclusion of the semester, you will be expected to know the commercial (trade) name and generic name of each drug and to be able to spell them correctly. You will also be expected to know the therapeutic category for each drug. The sooner you start learning this information, the easier your subsequent semesters will be. During the third year lab, you will be expected to also know the counseling points for each drug. Abbreviations in parentheses indicate an alternate dosage form of the drug. Abbreviations are listed at the bottom of this document.

	Trade Name	Generic Name	Therapeutic Category (+ DEA Schedule)	Counseling Points
<b>General Category: Anti- infective</b>				
1	Flagyl, Flagyl ER	Metronidazole	Antibacterial, Antiprotozoal	Finish course as prescribed. Avoid ETOH and "hidden" ETOH during therapy and for 72 hours after. May discolor urine reddish-brown. Most likely can cause nausea, headache, dizziness and metallic taste. Take with food to decrease nausea. Monitor for peripheral neuropathy, seizure activity and mental status changes especially in those with existing conditions and with long and high drug exposure. Do not use in the 1st trimester of pregnancy per FDA.
2	Diflucan	Fluconazole	Antifungal	Finish course as prescribed. May cause headache and GI upset. CYP interactions: strongly inhibits CYP2C19 (ex. Clopidogrel, warfarin and phenytoin) -; moderately inhibits CYP2C9 and 3A4. Even a single dose may lead to toxicity in higher risk meds (simva, lova, S.U, warfarin - especially in the elderly). May prolong QT interval. May cause LFT elevations.
3	Nizoral	Ketoconazole	Antifungal	Available topically and orally. Tablets should be taken with food. Drug is absorbed best in acidic conditions; avoid antacids, PPI's and H2 blockers for 2 hours before and after administration. <b>Major CYP 3A4 drug interactions.</b> Topical formulations are flammable. Potential for hepatotoxicity.
4	Mycostatin, Nystop	Nystatin	Antifungal	Available in many different dosage forms (topical, oral, suspension, powder) and some combination products. Suspension can be dosed as "swish and spit" for oral candidiasis or "swish and swallow" for esophageal candidiasis. Dissolve lozenge in mouth.
5	Lamisil	Terbinafine	Antifungal	Finish course as prescribed. Topical formulation available OTC and is most common use.
6	Zovirax	Acyclovir	Antiviral against HSV	Available topically and orally. Avoid intercourse during herpes outbreaks. Dose and duration depends on indication. CNS side-effects especially in elderly and renal impairment. Interacts with herpes zoster vaccine. Stay well hydrated.
7	Valtrex	Valacyclovir	Antiviral against HSV	Avoid intercourse during herpes outbreaks. Dose and duration depends on indication. CNS side-effects especially in elderly and renal impairment. Interacts with herpes zoster vaccine. Stay well hydrated.
8	Keflex	Cephalexin	Cephalosporin antibiotic, 1st generation	Finish course as prescribed. May cause GI upset. Hypersensitivity reactions may occur if allergic to penicillin and/or other cephalosporins. May decrease absorption of oral contraceptives.
9	Ceftin	Cefuroxime axetil	Cephalosporin antibiotic, 2nd generation	Finish course as prescribed. May cause GI upset. Hypersensitivity reactions may occur if allergic to penicillin and/or other cephalosporins. May decrease absorption of oral contraceptives.
10	Omnicef	Cefdinir	Cephalosporin antibiotic, 3rd generation	Finish course as prescribed. May cause GI upset. Hypersensitivity reactions may occur if allergic to penicillin and/or other cephalosporins. May decrease absorption of oral contraceptives.
11	Cipro (XR)	Ciprofloxacin	Fluoroquinolone antibiotic	Finish course as prescribed. Monitor glucose. Do not take within 2 hours of consuming foods or other products containing di- or trivalent cations (ex. milk, calcium antacids, multivitamins, iron/magnesium and supplements). May cause sun sensitivity and CNS side-effects. FDA requires assessment of risk of QTc prolongation. Black box warning for tendonitis/tendon rupture. Available orally and in ophthalmic and otic suspensions.
12	Levaquin	Levofloxacin	Fluoroquinolone antibiotic	Finish course as prescribed. Monitor glucose. Do not take within 2 hours of consuming foods or other products containing di- or trivalent cations (ex. milk, calcium antacids, multivitamins and supplements). May cause sun sensitivity and CNS side-effects. FDA requires assessment of risk of QTc prolongation. Black box warning for tendonitis/tendon rupture. Available orally and in ophthalmic suspension.
13	Avelox	Moxifloxacin	Fluoroquinolone antibiotic	Finish course as prescribed. Monitor glucose. Do not take within 2 hours of consuming foods or other products containing di- or trivalent cations (ex. milk, calcium antacids, multivitamins and supplements). May cause sun sensitivity and CNS side-effects. FDA requires assessment of risk of QTc prolongation. Black box warning for tendonitis/tendon rupture. Available orally and in ophthalmic solution (Vigamox, Moxeza).

14	Zithromax, Zmax, Azasite	Azithromycin	Macrolide antibiotic	Finish course as prescribed. No CYP 3A4 inhibition. QT prolongation possible. Ophthalmic solution, Azasite, is refrigerated.
15	Biaxin (XL)	Clarithromycin	Macrolide antibiotic	Finish course as prescribed. May impart metallic taste. Inhibits CYP 3A4. QT prolongation possible.
16	Cleocin, Cleocin T, Evoclin, Clindagel	Clindamycin	lincosamide antibiotic	Available in many dosage forms (oral, topical, vaginal suppository, powder for suspension) and combination products. Oral therapy may cause C. diff-associated severe diarrhea. Suspension has horrible taste, little flavoring options available.
17	Macrobid, Macrochantin, Furodantin	Nitrofurantoin	nitrofuran antibiotic	Take with food to enhance absorption. May cause peripheral neuropathy or pulmonary fibrosis. Shake suspension thoroughly. Use with caution in elderly and/or decreased CrCl
18	Amoxil	Amoxicillin	Penicillin antibiotic	Finish course as prescribed. May cause GI upset; take with food. Hypersensitivity reactions possible. May decrease efficacy of oral contraceptives. Secondary vaginal yeast infection may develop. Shake susp well and keep refrigerated, note exp date after reconstitution
19	Augmentin, Augmentin XR	Amoxicillin + Clavulanate	Penicillin antibiotic	Finish course as prescribed. May cause GI upset; take with food. More likely to have diarrhea b/c of clavulanate- maintain hydration. Clavulanic acid doses vary among formulations; double-check if using alternate formulation to achieve prescribed dose (ex. 400mg-57mg/5ml suspension cannot be substituted for 600mg-42.9mg/5ml suspension). Shake susp well and keep refrigerated, note exp date after reconstitution
20	Veetids, Pen-Vee K	Penicillin V Potassium	Penicillin antibiotic	Finish course as prescribed. May cause GI upset; take with food. C. diff-associated diarrhea may develop. Hypersensitivity reactions possible.
21	Bactrim, Bactrim DS, Septra, Septra DS	Sulfamethoxazole + Trimethoprim	Sulfonamide antibacterial	Finish course as prescribed. Take with plenty of water. Increases sensitivity to sunlight. Increased risk of hypoglycemia if taken with other sulfonylureas. Severe life-threatening skin reactions possible.
22	Vibramycin, Doryx, Adoxa, Monodox, Oracea, Periostat	Doxycycline	Tetracycline antibiotic	May increase sensitivity to sunlight. Do not take within 2 hours of consuming foods or other products containing di- or trivalent cations (ex. milk, calcium antacids, multivitamins and supplements). Hyclate and monohydrate salts <b>not</b> interchangeable.
23	Metrogel, Metrogel-Vaginal, Metrocream, Metro lotion	Metronidazole	Topical antibiotic	Use condoms during vaginal therapy. Some drug is absorbed systemically; avoid alcohol consumption during therapy and for 2 days after. Also used topically on the face for rosacea.
24	Bactroban	Mupirocin	Topical antibiotic	Used most in hospital to reduce the risk of MRSA infection from carriers
25	Tamiflu	Oseltamivir	Antiviral against influenza	BID dosing for Tx, QD dosing for prophylaxis, tx within 24-48 hours of sx, rarely causes behavioral disturbances inc delirium, risk of anaphylaxis and allergic skin rxns
26	Mycolog II	Nystatin + Triamcinolone	Topical antifungal + steroid combination	Use a sparing amount, avoid application around eyes.
<b>General Category: Antibacterial Oropharyngeal</b>				
27	Peridex, PerioGard	Chlorhexidine Gluconate	Tx for gingivitis/Periodontitis	Swish/spit 15 mls BID
<b>General Category: Antiretroviral</b>				
28	Atripla	efavirenz + tenofovir + emtricitabine	NRTI (2) + NNRTI (1)	Take on an empty stomach and at bedtime to minimize dizziness, drowsiness and impaired concentration. Monitor for DI
29	Complera	rilpivirine + tenofovir +emtricitabine	NRTI (2) + NNRTI (1)	Take with a meal containing fat to maximize absorption
30	Stribild	elvitegravir + cobicistat + tenofovir +emtricitabine	NRTI (2) + NNRTI (1) + integrase inhibitor + PK enhancer	One tablet once a day with food
<b>General Category: Cardiovascular</b>				
31	Vasotec	Enalapril	ACE Inhibitor, antihypertensive	Pregnancy category D (Cat C during first trimester). Drugs that act on the Renin-Angiotensin system may result in injury and death to the developing fetus. D/C as soon as possible once pregnancy is detected or in a female who desires conception. May cause a dry cough, first-dose hypotension (especially in CHF and hypovolemia) and hyperkalemia (avoid salt substitutes). Use lower initial doses in those with hyponatremia, hypovolemia, severe congestive heart failure, decrease renal function or in those receiving diuretics. Angioedema is a serious reaction; discontinue immediately and medical intervention may be necessary. Drug has renoprotective properties, but may also cause acute renal failure; monitor serum creatinine and discontinue if >30% increase. Usually a BID drug.
32	Altace	Ramipril	ACE Inhibitor, antihypertensive	Same as Enalapril except once daily drug. Also has evidence from HOPE Trial. Better benefit if dosed at night

33	Accupril, Accuretic	Quinapril, Quinapril/HCTZ	ACE Inhibitor, antihypertensive; Accuretic-combo with diuretic	Same as Enalapril except once or twice daily
34	Lotensin, Lotensin HCT	Benazepril, Ben/HCTZ	ACE Inhibitor, antihypertensive; HCT-combo with diuretic	same as enalapril plus HCTZ.
35	Zestril or Prinivil, Zestoretic	Lisinopril, Lis/HCTZ	ACE Inhibitor, antihypertensive; Zestoretic-combo with diuretic	same as enalapril plus HCTZ
36	Cardura, Cardura XL	Doxazosin Mesylate	Alpha 1 Blocker antihypertensive, also used in BPH	May cause postural hypotension/orthostasis after first dose or an increase in dose. Dizziness and headache common.
37	Hytrin	Terazosin	Alpha 1 Blocker antihypertensive, also used in BPH	May cause postural hypotension/orthostasis after first dose or an increase in dose. Dizziness and headache common.
38	Catapres, Catapres TTS, Nexiclon XR, Kapvay ER	Clonidine	Alpha II agonist, antihypertensive	May cause drowsiness, dry mouth, or skin reactions. Rotate patch application sites and discard patches carefully. Do not discontinue abruptly.
39	Cordarone	Amiodarone	Antiarrhythmic	Many drug interactions, complicated by extremely long half life of 40-50 days. Hepatic and pulmonary damage possible; notify MD if jaundice, dark urine or trouble breathing occur. May cause thyroid problems, hypotension, bradycardia, ocular disease and exacerbate arrhythmia. Have regular ophthalmic visits. May cause skin to turn bluish-grey in color
40	Coumadin, Jantoven	Warfarin Sodium	Anticoagulant	Risk of bleeding, especially GI. Very narrow therapeutic index; INR must be monitored regularly and vitamin K intake should be uniform. Many drug interactions; always check with MD or RPh when taking a new medication.
41	TRICOR, Trilipix	Fenofibrate	Antihyperlipidemic- fibric acid derivative	Risk of myopathy; taking with statins increase risk. Discontinue immediately and report any signs (muscle pain, brown urine) to MD and/or RPh. Increases action of sulfonylureas; monitor for hypoglycemia. No good outcome data; FIELD and ACCORD Lipid were not positive. Safer to combine with a statin than gemfibrozil, but not evidence based. Many different "Brand" formulations.
42	Lopid	Gemfibrozil	Antihyperlipidemic- fibric acid derivative	Increases effects of statins and therefore myopathy risk; discontinue immediately and report any signs (muscle pain, brown urine) to MD and/or RPh. Should be taken 30 minutes before breakfast and dinner. Increased risk of gall stones.
43	Niaspan ER	Niacin	Antihyperlipidemic	Causes flushing in most individuals (>80%); take at bedtime with a low-fat snack and 325mg aspirin to reduce effects. Doses higher than 2g/day may cause hepatotoxicity.
44	Lipitor	Atorvastatin	Antihyperlipidemic - HMG CoA reductase inhibitor	Pregnancy category X. Myopathy is a serious reaction; discontinue immediately and report any signs (muscle pain, brown urine) to MD and/or RPh. May be taken at any time of day. Avoid excessive alcohol and grapefruit juice. Some CYP 3A4 interactions.
45	Mevacor, Altoprev ER	Lovastatin	Antihyperlipidemic - HMG CoA reductase inhibitor	Pregnancy category X. Myopathy is a serious reaction; discontinue immediately and report any signs (muscle pain, brown urine) to MD and/or RPh. Take in the evening. Avoid excessive alcohol and grapefruit juice. Several CYP 3A4 interactions.
46	Pravachol	Pravastatin	Antihyperlipidemic - HMG CoA reductase inhibitor	Pregnancy category X. Myopathy is a serious reaction; discontinue immediately and report any signs (muscle pain, brown urine) to MD and/or RPh. Avoid excessive alcohol. Significantly fewer drug interactions compared to other statins (cleared by kidney rather than liver).
47	Crestor	Rosuvastatin	Antihyperlipidemic - HMG CoA reductase inhibitor	Pregnancy category X. Myopathy is a serious reaction; discontinue immediately and report any signs (muscle pain, brown urine) to MD and/or RPh. May be taken at any time of day. Avoid excessive alcohol and grapefruit juice.
48	Vytorin	Simvastatin/ezetimibe	Antihyperlipidemic - HMG CoA reductase inhibitor and cholesterol absorption inhibitor	Pregnancy category X. Myopathy is a serious reaction; discontinue immediately and report any signs (muscle pain, brown urine) to MD and/or RPh. Take in the evening. Avoid excessive alcohol and grapefruit juice. Several CYP 3A4 interactions. Lacks data that combination is superior to simvastatin alone.
49	Zocor	Simvastatin	Antihyperlipidemic - HMG reductase inhibitor	Pregnancy category X. Myopathy is a serious reaction; discontinue immediately and report any signs (muscle pain, brown urine) to MD and/or RPh. Take in the evening. Avoid excessive alcohol and grapefruit juice. Significant CYP 3A4 interactions.
50	Ecotrin	Aspirin	Antiplatelet	Used for cardiovascular or cerebrovascular accident treatment/prophylaxis. 75-325 mg PO daily. Risk/benefit important for prophylaxis decisions. Increased risk of bleeding. Be aware of hypersensitivity reactions especially in patients with allergic triad of as a allergy, nasal polyps, and asthma, avoid in children due to risk of Reye syndrome.

51	Exforge, Exforge HCT	Amlodipine+Valsartan, amlo/val/HCTZ	ARB + calcium channel blocker combo; HCT also contains diuretic	see amlodipine, valsartan and HCTZ
52	Diovan, Diovan HCT	Valsartan, Val/HCTZ	ARB Antihypertensive, HCT also contains diuretic	Black box warning in pregnancy. Category D. May cause dizziness, hypotension, hyperkalemia (avoid salt substitutes, potassium sparing diuretics), and renal dysfunction (discontinue if serum creatinine increases >30%). NSAIDs reduce antihypertensive effect and increase risk of renal dysfunction. Taking with ACE inhibitor or renin inhibitor increases side effects with little benefit.
53	Avapro, Avalide	Irbesartan, Irbesartan/HCTZ	ARB Antihypertensive; Avalide-combo with diuretic	same as Diovan, Diovan/HCT
54	Atacand, Atacand HCT	Candesartan, Can/HCTZ	ARB Antihypertensive; HCT-combo with diuretic	same as Diovan, Diovan/HCT
55	Benicar, Benicar HCT	Olmesartan	ARB Antihypertensive; HCT-combo with diuretic	same as Diovan, Diovan/HCT. New: Spruelike enteropathy (severe and chronic diarrhea) linked to olmesartan!
56	Cozaar, Hyzaar	Losartan, Los/HCTZ	ARB Antihypertensive; Hyzaar-combo with diuretic	same as Diovan, Diovan/HCT
57	Tenormin	Atenolol	Beta Blocker, Beta-1 Selective	May cause drowsiness and orthostasis. Masks symptoms of hypoglycemia. Do not discontinue abruptly. Use cautiously in severe asthma. Water soluble. Limited evidence/data. While often dosed QD, better BID drug.
58	Toprol XL	Metoprolol Succinate	Beta Blocker, Beta-1 Selective	May cause drowsiness. Masks symptoms of hypoglycemia. Do not discontinue abruptly. Succinate and tartrate salts are not interchangeable! Fat soluble-may affect mood, exercise tolerance and fatigue
59	Lopressor	Metoprolol Tartrate	Beta Blocker, Beta-1 selective	May cause drowsiness. Masks symptoms of hypoglycemia. Do not discontinue abruptly. Succinate and tartrate salts are not interchangeable!
60	Zebeta, Ziac	Bisoprolol, Bisoprolol + HCTZ	Beta Blocker, Beta-1 selective; Ziac is combo with diuretic	May cause drowsiness. Masks symptoms of hypoglycemia. Do not discontinue abruptly due to risk of tachycardia and hypertension. Bisoprolol has outcome data in heart failure; target dose of 10mg/day
61	Tenoretic	Atenolol/chlorthalidone	Beta Blocker, Beta-1 Selective/ thiazide diuretic	see atenolol and chlorthalidone
62	Inderal, Inderal LA, Innopran, Innopran XL	Propranolol	Beta Blocker, nonselective	May cause drowsiness. Masks symptoms of hypoglycemia. Do not discontinue abruptly. LA and immediate release formulations are not mg-mg equivalent; dose may need to be increased by up to 30% when converting from immediate release to LA.
63	Coreg (CR)	Carvedilol	Beta Blocker, nonselective; Alpha-1 blocker	May cause drowsiness. Masks symptoms of hypoglycemia. Do not discontinue abruptly. CR and immediate release formulations are not mg-mg equivalent; CR 10mg equivalent to 3.125mg BID of immediate release.
64	Normodyne or Trandate	Labetalol	Beta Blocker, nonselective; Alpha-1 blocker	May cause drowsiness. Masks symptoms of hypoglycemia. Do not discontinue abruptly.
65	Lanoxin or Lanoxicap	Digoxin	Cardiac glycoside: +Inotropic, -chronotropic	Narrow therapeutic index, many drug interactions. Digoxin toxicity possible (anorexia, nausea, fatigue, vision disturbances, bradycardia, arrhythmias). New data shows increased mortality in both HF and AFIB patients!
66	Azor, Tribenzor	Amlodipine + Olmesartan, amlo/olme/HCTZ	Combination of ARB + calcium channel blocker; Tribenzor also contains diuretic	see amlodipine and olmesartan
67	Norvasc	Amlodipine	Dihydro calcium channel blocker	May cause drowsiness, risk of hypotension and orthostasis. Risk of peripheral edema that is not responsive to diuretics but may be relieved by ACEi or ARB.
68	Procardia, Procardia XL, Adalat CC	Nifedipine	Dihydro calcium channel blocker	May cause drowsiness. Risk of peripheral edema that is not responsive to diuretics; ACEi or ARB used to reverse. Adalat and Procardia not equivalent, double-check when dispensing generics. Very potent neg inotrope - do not use in HF.
69	Lotrel	Amlodipine + Benazepril	Dihydro calcium channel blocker + ACE inhibitor combo	see amlodipine and benazepril. Combination evidence based - ACCOMPLISH trial
70	Caduet	Amlodipine + Atorvastatin	Dihydro calcium channel blocker + HMG-CoA reductase inhibitor combo	see amlodipine and atorvastatin, titrate amlodipine to response over 1-2 weeks and atorvastatin in 6-8 weeks

71	Pradaxa	Dabigatran	Direct thrombin inhibitor	Monitor for bleeding. May cause some GI upset. Store capsules in original container or blister pack; discard unused medication after 4 months. Do not crush, chew or open capsules. If a dose is missed, do not take a double dose if more than 6 hours have passed. Drug interactions with p-glycoprotein substrates (dronedarone, ketoconazole, rifampin). Dose should be adjusted for kidney function. Discontinuation for surgery determined by creatinine clearance.
72	Klor-Con	Potassium Chloride	Electrolyte supplement	May cause GI upset, take with food. Monitor salt intake.
73	Xarelto	Rivaroxaban	Factor Xa inhibitor	Monitor for bleeding. Doses of 15 mg or more must be taken with food. Compliance extremely important, but do not take a double dose if a dose is missed. Discontinue at least 24 hours before surgeries. Drug interactions with CYP 3A4 substrates, but benefit outweighs cost in some cases.
74	Eliquis	Apixaban	Factor Xa inhibitor	Monitor for bleeding. 5 mg orally twice daily. A dose of 2.5 mg twice daily is recommended for patients at least 80 years old, who weigh no more than 60 kg, or who have serum creatinine of at least 1.5 mg/dL, as well as those receiving strong dual inhibitors of cytochrome P450 3A4 and P-glycoprotein. Boxed warning - inc risk of stroke if DC'd. Not indicated in patients with prosthetic heart valves.
75	Lasix	Furosemide	Loop diuretic	May cause hypokalemia; monitor potassium levels and kidney function. Also watch salt intake. May be used as needed in congestive heart failure. Hypersensitivity reaction may occur in individuals with sulfa allergy. Lasix short for "last six hours".
76	Lovenox	Enoxaparin	Low molecular weight heparin	Increased risk of bleeding. Counsel on injection technique. Often used when beginning warfarin to achieve goal INR more quickly. In community pharmacy, double-check to make sure proper package size and quantity are being dispensed/billed.
77	Imdur, ISMO	Isosorbide Mononitrate	Nitroglycerin antianginal/vasodilator	Frequently causes dizziness and/or headache. Dosed twice daily, but must be taken "asymmetrically" to prevent tolerance; take second dose 8 hours after first dose rather than every 12 hours.
78	Nitrostat	Nitroglycerin SL	Nitroglycerin antianginal/vasodilator	Frequently causes dizziness and/or headache. If chest pain persist after first dose, take second dose in 5 minutes. Call 911 if symptoms persist after second dose. Store in original container.
79	Nitro-Dur	Topical Nitroglycerin	Nitroglycerin antianginal/vasodilator	Finish course as prescribed. Apply patch for 12 hours and remove for 12 hours for nitrate-free period.
80	Cardizem, Cardizem SR, Cardizem CD, Cardizem LA, Tiazac	Diltiazem	Non-dihydro Calcium Channel Blocker	May cause drowsiness/dizziness or headache. Do not discontinue therapy without discussing with MD. Many formulations that may not be equivalent; double-check when dispensing generics.
81	Calan, Calan SR, Isoptin SR	Verapamil	Non-dihydro Calcium Channel Blocker	May cause drowsiness/dizziness, headache, or constipation. Do not discontinue therapy without discussing with MD.
82	Plavix	Clopidogrel	Platelet Inhibitor	Monitor for bleeding. Compliance extremely important. CYP 2C19 inhibitors such as omeprazole and esomeprazole greatly decrease efficacy. Check with MD or RPh before starting new medications or taking OTC medications.
83	Dyazide capsules or Maxzide tablets	Triamterene + HCTZ	Potassium-sparing + thiazide diuretic combo	Take in the early morning. Monitor renal function, potassium levels, and salt intake; not to be used if renal function impaired. Risk of kidney stones; drink plenty of fluids to reduce risk. Double-check patient profile when dispensing generics; patients should remain on tablets or capsules unless MD changes.
84	Aldactone, Aldactazide	Spironolactone, Spir/HCTZ	Potassium-sparing diuretic; Aldactazide also contains diuretic	Take in the early morning. Monitor renal function, potassium levels, and salt intake. May cause gynecomastia in males, menstrual irregularities in females (antiandrogenic properties). Evidence-based data for heart failure, post MI, and resistant hypertension. Aldactazide may cause hypersensitivity reactions in individuals with sulfa allergy.
85	Lozol	Indapamide	Thiazide diuretic	Take in the early morning. Monitor renal function, potassium levels, and salt intake; not to be used in severe renal impairment, but may be used in minimally impaired renal function. Hypersensitivity reaction may occur in individuals with sulfa allergy.
86	Thalidone, Hygroton	Chlorthalidone	Thiazide diuretic	Take in the early morning. Monitor renal function, potassium levels, and salt intake; not to be used if renal function impaired. Hypersensitivity reaction may occur in individuals with sulfa allergy. Chlorthalidone is twice as potent as HCTZ.
87	Oretic, Microzide	Hydrochlorothiazide (aka HCTZ)	Thiazide diuretic	Take in the early morning. Monitor renal function, potassium levels, and salt intake. Hypersensitivity reaction may occur in individuals with sulfa allergy.
88	Zaroxolyn	Metolazone	Thiazide diuretic	Take in the early morning. Monitor renal function, electrolytes (esp. potassium and magnesium) and salt intake. Hypersensitivity reaction may occur in individuals with sulfa allergy. Often used in diuretic-resistant patients in combination with loop diuretics.
89	Entresto	Sacubitril / valsartan	Neprilysin inhibitor / ARB	Indicated to reduce the risk of CV death and hospitalization for heart failure. Used in place of ACE-I or ARB. Do not use within 36 hours of switching from or to an ACE-I. May cause angioedema, fetal toxicity, hypotension.

**General Category: CNS**

90	Zofran, Zofran ODT	Ondansetron	5-HT3 antagonist Antiemetic	May cause headache, fatigue. Dissolve ODT on the tongue, store in original container until ready to use. QT prolongation possible.
91	Aricept	Donepezil	Acetylcholinesterase inhibitor	Take in the evening. Significant nausea, vomiting and diarrhea possible, as well as anorexia. May also cause bradycardia and fainting. Set realistic expectations for Alzheimer's patients. Keep in mind positive statistical significance vs. clinical significance.
92	Exelon, Exelon Patch	Rivastigmine	Acetylcholinesterase Inhibitor	Take capsules in the evening. Rotate patch application sites. Significant nausea, vomiting and diarrhea possible, as well as anorexia. May also cause bradycardia and fainting. Set realistic expectations for Alzheimer's patients. Keep in mind positive statistical significance vs. clinical significance.
93	Fiorinal, Fiorinal with codeine	Butalbital + aspirin + caffeine, available with or without codeine	Analgesic Combo for Tension Headaches, C-III	May cause drowsiness or dizziness; avoid alcohol use during therapy. Caution against taking other products containing aspirin.
94	Fioricet, Fioricet with codeine	Butalbital + acetaminophen + caffeine (sometimes called B-A-C), available with or without codeine	Analgesic Combo for Tension Headaches, C-III if it has codeine	May cause drowsiness or dizziness; avoid alcohol use during therapy. Do not exceed 4g of APAP per day, 3g if frequent alcohol drinker, 2g if taking warfarin. New black box warning with acetaminophen due to hepatotoxicity.
95	Buspar	Buspirone	Antianxiety- serotonin 5-HT1A receptor partial agonist	May cause drowsiness or dizziness, slow onset, mildly effective, little potential for abuse.
96	Transderm-Scop	Scopolamine	Anticholinergic	May cause drowsiness or dizziness. wash your hands after application as touching your eyes after application may result in blurred vision (dilation)
97	Remeron	Mirtazapine	Antidepressant	May cause drowsiness or dizziness, dry mouth, constipation and weight gain. Do not discontinue abruptly. Open from blister and dissolve SolTab on the tongue.
98	Desyrel	Trazodone	Antidepressant/Sleep Aid	May cause dizziness/drowsiness/orthostasis, priapism risk.
99	Wellbutrin (SR) (XL)	Bupropion	Antidepressant	Take XL tabs in AM to avoid insomnia, do not crush or chew SR or XL tabs, do not take doses too close or exceeding maximum doses because of seizure risk. Potential side-effects inc nervousness, constipation, trouble sleeping, dry mouth, tremor.
100	Tegretol (XR)	Carbamazepine	Antiepileptic	Take with food, may cause drowsiness, avoid alcohol. Serious and sometimes fatal dermatologic reactions (including Stevens-Johnson syndrome and toxic epidermal necrolysis) have been reported, especially in patients with the inherited allelic variant HLA-B*1502. Genetically at-risk patients (IE those from Asia including China) should be screened prior to receiving carbamazepine.
101	Lamictal	Lamotrigine	Antiepileptic	Report hypersensitivity/rash to MD, may cause drowsiness, do not operate heavy machine
102	Keppra	Levetiracetam	Antiepileptic	May cause dizziness/drowsiness, do not operate heavy machinery, do not abruptly discontinue therapy
103	Trileptal	Oxcarbazepine	Antiepileptic	May cause dizziness/drowsiness, do not operate heavy machinery, do not abruptly discontinue therapy
104	Dilantin Kapseals	Phenytoin Sodium	Antiepileptic	May cause dizziness/drowsiness, do not operate heavy machinery. Emphasize good oral hygiene to reduce risk of gingival hyperplasia
105	Depakote (ER)	Divalproex	Antiepileptic, mood stabilizer	Do not abruptly discontinue therapy, avoid alcohol use, may cause drowsiness
106	Phenobarbital	Phenobarbital	Antiepileptic/hypnotic; C-IV	May cause drowsiness or dizziness, <i>avoid alcohol use during therapy</i>
107	Topamax	Topiramate	Antiepileptic/Migraine prophylactic	May cause drowsiness or dizziness, avoid alcohol use during therapy. Confusion ("Dopamax") and it is now FDA approved in a combination with phentermine in extended release - Qsymia (C-IV)
108	Neurontin	Gabapentin	Antiepileptic/neuropathic analgesic	May cause drowsiness or dizziness, avoid alcohol use during therapy. Edema, weight gain and confusion as common side effects, as well as generally need to titrate slowly to higher doses as this agent has dose related kinetics
109	Atarax	Hydroxyzine hydrochloride	Antihistamine	May cause anticholinergic side-effects.
110	Vistaril	Hydroxyzine pamoate	Antihistamine/antianxiety	May cause anticholinergic side-effects.
111	Relpax	Eletriptan	Antimigraine, 5-HT1 agonist	Take at onset of migraine. If headache is relieved but returns after 1st dose, repeat in 2 hours. Do not exceed 2 doses or 80mg in a 24 hour period. If 1st dose does not relieve symptoms, reevaluate condition. Ischemic cardiovascular events possible. Drug interactions with CYP 3A4 substrates and ergot derivatives.

112	Maxalt, Maxalt MLT	Rizatriptan	Antimigraine, 5-HT1 agonist	Take at onset of migraine. If headache is relieved but returns after 1st dose, repeat in 2 hours. Do not exceed 2 doses or 30mg in a 24 hour period. If 1st dose does not relieve symptoms, reevaluate condition. Ischemic cardiovascular events possible. Drug interactions with ergot derivatives. Dissolvable tablets contain phenylalanine.
113	Imitrex	Sumatriptan	Antimigraine, 5-HT1 agonist	Take at onset of migraine. If headache is relieved but returns after 1st dose, repeat in 2 hours. Do not exceed 2 doses or 200mg in a 24 hour period. If 1st dose does not relieve symptoms, reevaluate condition. Ischemic cardiovascular events possible. Drug interactions with ergot derivatives. Available in oral tablet, injection kit, and nasal spray.
114	Cogentin	Benzotropine	Antiparkinson Agent	May take with food to decrease GI symptoms. Potential anticholinergic side-effects
115	Sinemet (CR)	Levodopa/Carbidopa	Antiparkinson Agent	Avoid products containing B6 as they reduce the effectiveness of levodopa, may be taken with food/milk if GI upset occurs
116	Mirapex	Pramipexole	Antiparkinson Agent	Hallucinations may occur, report any changes in vision to MD, may cause drowsiness and even sleep attacks (falling asleep without warning)
117	Requip	Ropinirole	Antiparkinson/Restless Leg agent	May cause drowsiness or dizziness, avoid alcohol use during therapy, orthostasis may occur. May also cause sleep attacks.
118	Zyprexa	Olanzapine	Antipsychotic	Initially may cause dizziness, use caution when operating heavy machinery due to drowsiness, may cause wt gain, DM and dyslipidemia. Now has a combination with fluoxetine (Symbyax)
119	Seroquel (XR)	Quetiapine	Antipsychotic	Initially may cause dizziness, use caution when operating heavy machinery due to drowsiness. "Baby Heroine" due to mind altering effects. Case reports often in incarcerated population
120	Risperdal	Risperidone	Antipsychotic	First doses may cause fainting, may impair judgment, avoid alcohol use
121	Geodon	Ziprasidone	Antipsychotic	May cause arrhythmias, do not discontinue use abruptly, take with food
122	Abilify	Aripiprazole	Antipsychotic for bipolar, schizophrenia, and major depressive disorder	Avoid alcohol, D/I 3A4, QT prolongation, do not discontinue abruptly
123	Antivert	Meclizine	Antivertigo Agent	Potential anticholinergic side-effects
124	Xanax (XR)	Alprazolam	Benzodiazepine Antianxiety, C-IV	Do not exceed prescribed dose, do not take with alcohol, may cause drowsiness/dizziness, do not operate heavy machinery, avoid abrupt discontinuation. Short acting
125	Klonopin	Clonazepam	Benzodiazepine Antianxiety; C-IV	Same as alprazolam except Long acting
126	Valium	Diazepam	Benzodiazepine Antianxiety; C-IV	Same as alprazolam except Long acting
127	Ativan	Lorazepam	Benzodiazepine Antianxiety; C-IV	Same as alprazolam. Short acting
128	Restoril	Temazepam	Benzodiazepine Antianxiety; C-IV	Same as alprazolam except Long acting. Used for sleep but distorts normal sleep architecture
129	Adipex-P	Phentermine	CNS stimulant - Obesity Management; C-IV	Cardiovascular risk caution, take in the morning,
130	Concerta or Ritalin (ER) or Metadate CD	Methylphenidate	CNS Stimulant for ADD, C-II	Take as directed, don't share your pills
131	Strattera	Atomoxetine	CNS Stimulant, used for ADD	May impair cognitive & motor function, use caution when operating machinery, <i>not</i> a drug of abuse
132	Adderall (XR)	(Dex)/Amphetamine Mixed salts	CNS Stimulant, used for ADD; C-II	Take as directed, don't share your pills
133	Vyvanse	Lisdexamfetamine	CNS Stimulant, used for ADHD; C-II	Take as directed, don't share your pills
134	Provigil	Modafinil	CNS Stimulant, used for narcolepsy; C-IV	Take in morning or 1 hour prior to work, avoid driving until deemed safe by MD
135	Focalin (XR)	Dexmethylphenidate	CNS stimulant; C-II	Take as directed, don't share your pills
136	Flexeril	Cyclobenzaprine	Muscle Relaxant	May cause drowsiness or dizziness and other anticholinergic side-effects, avoid alcohol use during therapy
137	Skelaxin	Metaxalone	Muscle Relaxant	Least drowsy muscle relaxant, requires frequent dosing
138	Soma	Carisoprodol	Muscle Relaxant; C-IV	Drug of abuse, caution for drowsiness
139	Duragesic	Fentanyl	Narcotic Analgesic; C-II	Caution for respiratory depression, do not exceed prescribed dose. Avoid exposing patch on the skin to heat as it will increase the delivery of the fentanyl and increase the risk of toxicity, dispose of the used patch by folding over and flushing it, be careful when starting therapy and remember the patch is used for several days normally 72 hours but may see it changed every 48 hours in some patients. Caution in narcotic naive patients as it is 80-100 times more potent analgesic than morphine.

140	MS Contin, MSIR	Morphine Sulfate	Narcotic Analgesic; C-II	Risk of CNS and respiratory depression, avoid alcohol, may cause drowsiness/dizziness, do not operate heavy machinery, constipation
141	Oxycontin, Roxicodone	Oxycodone	Narcotic Analgesic; C-II	CNS depression, avoid alcohol, may cause drowsiness/dizziness, do not operate heavy machinery, constipation
142	Percocet or Roxicet	Oxycodone/APAP	Narcotic Analgesic; C-II	CNS depression, avoid alcohol, may cause drowsiness/dizziness, do not operate heavy machinery, constipation. APAP combination dose no more than 325mg per tablet. Consider the total daily dose of acetaminophen from all sources.
143	Tylenol with Codeine	Acetaminophen/Codeine	Narcotic Analgesic; C-III	CNS depression, avoid alcohol, may cause drowsiness/dizziness, do not operate heavy machinery, constipation. Consider the total daily dose of acetaminophen from all sources.
144	Tussionex	Hydrocodone / chlorpheniramine Polistirex	Narcotic Analgesic; C-II	CNS depression, avoid alcohol, may cause drowsiness/dizziness, do not operate heavy machinery, constipation, taking with food may decrease some GI upset, Max dose 5mls BID
145	Vicoprofen	Hydrocodone/Ibuprofen	Narcotic/IBU Analgesic; C-II	CNS depression, avoid alcohol, may cause drowsiness/dizziness, do not operate heavy machinery, constipation, taking with food may decrease some GI upset
146	Lortab or Vicodin or Lorcet	Hydrocodone/APAP	Narcotic/APAP Analgesic C-II	#1 prescribed drug! CNS depression, avoid alcohol, may cause drowsiness/dizziness, do not operate heavy machinery, avoid concomitant said drugs, constipation. Vicodin reformulated to contain only 300mg of APAP per dose to avoid generic competition and to meet new FDA requirement.
147	Lyrica	Pregabalin	Neuropathic Analgesic - C-V	May cause drowsiness, do not discontinue therapy abruptly. Weight gain, edema and confusion are potential side-effects
148	Namenda	Memantine	NMDA receptor antagonist; anti-Alzheimer's agent	Take in the evening, potential N & D, dizziness and agitation possible. Set realistic expectations. Keep in mind positive statistical significance vs. clinical significance. Take without regard to food
149	Voltaren, Cataflam	Enteric Diclofenac sodium, Diclofenac potassium (non-enteric coated formulation)	NSAID	Take with food, monitor for s/sx of GI bleed. CV and renal risks. Enteric coated diclofenac sodium, slow onset not for PRN pain, greater risk of hepatotoxicity vs. other NSAIDs, use the Cataflam-diclofenac potassium non-enteric coated formulation if for PRN use for pain
150	Lodine (XL)	Etodolac	NSAID	Take with food, monitor for s/sx of GI bleed. CV and renal risks.
151	Indocin	Indomethacin	NSAID	Take with food, monitor for s/sx of GI bleed. CV and renal risks. Most likely NSAID to cause headache and CNS side-effects.
152	Toradol	Ketorolac Tromethamine	NSAID	Take with food, monitor for s/sx of GI bleed. Very high risk of GI bleeding limits this drug to 5 days max of therapy. CV and renal risks.
153	Mobic	Meloxicam	NSAID	Take with food, monitor for s/sx of GI bleed. CV and renal risks.
154	Relafen	Nabumetone	NSAID	Take with food, monitor for s/sx of GI bleed. CV and renal risks.
155	Naprosyn, Anaprox/Aleve	Naproxen and Naproxen sodium	NSAID	Take with food, monitor for s/sx of GI bleed. CV and renal risks. Naproxen sodium Aleve/Anaprox fast onset sodium salt vs. regular naproxen-Naprosyn which is slow onset and used for chronic Rx of OA and RA not acute pain relief
156	Feldene	Piroxicam	NSAID	Take with food, monitor for s/sx of GI bleed, CV and renal risks.
157	Motrin or Advil	Ibuprofen	NSAID	Take with food, monitor for s/sx of GI bleed. CV and renal risks. Motrin at low doses (IE OTC it is analgesic and antipyretic) but if you need anti-inflammatory effects then you need higher doses 2400 to 3200 mg/day
158	Celebrex	Celecoxib	NSAID Cox - II selective	Report s/sx of GI bleed, caution for CV risk like all NSAIDS, Not safer for renal function but may be slightly safer for GI bleeding risks
159	Arthrotec	Diclofenac/Misoprostol	NSAID/prostaglandin combo	Take with food, Misoprostol may decrease GI bleeding risks. CV and renal risks. Avoid in pregnancy. Diarrhea may be a common side effect of the prostaglandin component
160	Ultram, Ultram ER	Tramadol	Opioid analgesic, C-IV	May cause drowsiness; avoid alcohol. Risk of dependence due to weak opioid receptor agonist activity. Drug also has some serotonin reuptake inhibitor properties; caution against GI effects, serotonin syndrome, increased seizure risk, and drug interactions (especially with SSRIs, SNRIs, 5-HT1 agonists/triptans)
161	Ultracet	Tramadol + acetaminophen	Opioid analgesic combo, C-IV	May cause drowsiness; avoid alcohol. Risk of dependence due to weak opioid receptor agonist activity. Drug also has some serotonin reuptake inhibitor properties; caution against GI effects, serotonin syndrome, increased seizure risk, and drug interactions (especially with SSRIs, SNRIs, 5-HT1 agonists/triptans). Do not exceed 4g of APAP per day, 3g if frequent alcohol drinker, 2g/day if taking warfarin. New black box warning with acetaminophen due to hepatotoxicity.
162	Tylenol	Acetaminophen	Pain, antipyretic	Limit total daily dose <4 g, 3 g in elderly or frequent ETOH, 2 g if taking warfarin, Consider the total daily dose of acetaminophen from all sources. Black box warning with acetaminophen due to hepatotoxicity and New warning related to angioedema

163	Lunesta	Eszopiclone	Sedative Hypnotic; C-IV	Do not take with alcohol, take 30min prior to bed. has a long half-life of ~6 hours and thus an increased risk of morning residual sedation, ~40% of patients complain of a bitter taste the morning after, Need to have at least 8 hours to sleep after a dose and all of these agents can cause complex sleep behaviors (walking, eating, driving, etc.) Do not put yourself in a position where impairment may lead to increased risk of an accident until you know how you respond to the medication.
164	Sonata	Zaleplon	Sedative Hypnotic; C-IV	Take 30min to 1h prior to desired sleep, Allocate at least 5 hours after a dose to sleep (T ½ ~1 hour)
165	Ambien (CR)	Zolpidem	Sedative Hypnotic; C-IV	Do <i>not</i> take with alcohol, take 30min prior to bed. Same issues as Lunesta. New lower dosing guidelines for women.
166	Pristiq	Desvenlafaxine	SNRI antidepressant	Avoid alcohol, do not discontinue abruptly, no added benefit over venlafaxine -recommend generic venlafaxine
167	Cymbalta	Duloxetine	SNRI Antidepressant	Do not abruptly discontinue therapy. report any changes in affect and or behavior as psychiatric side effects including suicidal ideation is possible
168	Effexor (XR)	Venlafaxine	SNRI Antidepressant	Avoid alcohol, do not discontinue abruptly, monitor BP
169	Celexa	Citalopram	SSRI Antidepressant	May cause drowsiness, do not discontinue therapy abruptly. new dosage guidelines of no more than 40 mg/day and avoid in patients with CV disease as it has been shown to increase QT interval (previously recommended for patients with CV disease now only sertraline remains in this category)
170	Lexapro	Escitalopram	SSRI Antidepressant	May cause drowsiness, do not discontinue therapy abruptly, recommend generic Celexa for cost savings
171	Prozac or Sarafem	Fluoxetine	SSRI Antidepressant	May cause drowsiness or dizziness, avoid alcohol use during therapy. Prozac longest half-life SSRI (metabolite norfluoxetine T1/2 is ~ 9 days) hence the Prozac weekly dosage form; also most activating of the SSRIs AM dosing not PM and a major inhibitor of CYP 2D6, Sarafem is for PMDD
172	Paxil (CR), Brisdelle	Paroxetine	SSRI Antidepressant	May cause drowsiness, do not discontinue therapy abruptly. Paxil most likely agent to cause discontinuation syndrome, short half-life and also most tricyclic like of the SSRI's i.e. sedation, and a major inhibitor of CYP 2D6. New Brisdelle brand 7.5 mg dose approved for hot flashes related to menopause
173	Zoloft	Sertraline	SSRI Antidepressant	May cause drowsiness or dizziness, avoid alcohol use during therapy. Drug of choice for patients with CV disease and MDD (SAD Heart and ENRICHED Trials, as well as ACC/AHA/APA Guidelines
174	Lidoderm Patches	Lidocaine	Topical analgesic	Do not apply to broken skin, do not leave patches on for more than 12 hours in a 24 hour period
175	Elavil	Amitriptyline	Tricyclic Antidepressant	May cause drowsiness or dizziness, avoid alcohol use during therapy. Rarely used for depression and usually used in low doses for off label uses (headaches, pain, neuropathy) as it is a side effect of this agent and it is not well tolerated secondary to anticholinergic effects, risk of overdose causing CV death and arrhythmias, caution for suicidal ideation.
176	Tofranil (PM)	Imipramine	Tricyclic Antidepressant	May cause drowsiness or dizziness, avoid alcohol use during therapy. Also has significant anticholinergic effects and risk of overdose like Elavil
177	Eskalith or Lithobid	Lithium Carbonate	Mood Stabilizer	Do not exceed recommended doses, consume 2-3 quarts of water qday. monitor serum levels and watch out for drug interactions with thiazide diuretics which require a dosage reduction of lithium
<b>General Category: Dermatological</b>				
178	Differin	Adapalene	Topical Acne Product	Acne may worsen before it improves; using more than recommended increases risk of skin reactions. Use as little product as can cover the face or affected areas with a thin film. Caution against sun exposure and recommend using sunscreen.
179	Benzaclin	Clindamycin/Benzoyl Peroxide	Topical Acne Product	May cause skin irritation, use a sparing amount. Topical acne products remind patients that their acne may get worse before it gets better and exceeding the recommended doses will increase the risk of severe adverse effects
180	Benzamycin	Erythromycin/Benzoyl Peroxide	Topical Acne Product	May cause skin irritation, use a sparing amount. Topical acne products remind patients that their acne may get worse before it gets better and exceeding the recommended doses will increase the risk of severe adverse effects
181	Clobex	Clobetasol	Topical Corticosteroid	Use a sparing amount, avoid application on face and around eyes
182	Elocon	Mometasone	Topical Corticosteroid	Use a sparing amount, avoid application on face and around eyes
183	Kenalog	Triamcinolone	Topical Corticosteroid	Use a sparing amount, avoid application around eyes, available in ointment, cream and lotion
184	Elidel	Pimecrolimus	Topical skin product	Black Box warning due to cancer risk
185	Lotrisone	Clotrimazole/Betamethasone Dipropionate	Topical Antifungal/Corticosteroid	Use a sparing amount, avoid application on face and around eyes
186	Lidex, Lidex-E, Vanos	Fluocinonide topical	Topical Corticosteroid	Use a sparing amount, avoid application on face and around eyes
187	Retin-A	Tretinoin	1st generation retinoid	not covered by ins except for acne treatment in adolescents, apply to affected area at bedtime, may cause irritation and redness
<b>General Category: Endocrine</b>				

188	Propecia or Proscar	Finasteride	5 alpha reductase inhibitor	Pregnant women should not handle, will not regrow hair but will prevent additional hair loss. new data on sexual dysfunction which may not be reversible in men, when used for BPH they are not rapidly effective and may take 6 plus months to shrink and enlarged prostate and produce a reduction in symptoms, probably best when used in combo with an alpha blocker to reduce symptoms and prevent or delay the need for surgical intervention
189	Accutane or Claravis	Isotretinoin	Acne treatment	Must follow REMS system for isotretinoin dispensing and counseling. teratogenic category X, adverse lipid effects especially increased TG and psychiatric effects and as with the topical products acne may get worse before it gets better
190	AndroGel	Testosterone	Androgen; C-III	Use as directed to upper arm and shoulder and not to genitals. Women and children should avoid contact with this medication; men with BPH may get worse
191	Glucophage (XR), Fortamet	Metformin	Antidiabetic - Biguanide	Counsel on GI upset, diarrhea and best titration to minimize symptoms, may lead to B12 deficiency related neuropathy
192	Januvia, Janumet (XR)	Sitagliptin, Sit+Metformin	Antidiabetic - Dipeptidyl peptidase IV inhibitor	Take without regard to food, risk of pancreatitis
193	Onglyza	Saxagliptin	Antidiabetic - Dipeptidyl peptidase IV inhibitor	Take without regard to food, risk of pancreatitis, concomitant use of CYP3A4 Inh - use 2.5mg instead of 5 mg QD.
194	Amaryl	Glimepiride	Antidiabetic - Sulfonylurea	Take with breakfast, avoid alcohol use, counsel on hypoglycemic risk
195	Glucotrol (XL)	Glipizide	Antidiabetic - Sulfonylurea	May cause hypoglycemia due to active metabolites
196	Micronase, Glucovance	Glyburide, Glyburide/Metformin	Antidiabetic - Sulfonylurea	Take with breakfast, avoid alcohol use. Has an active metabolite which is renally eliminated and thus increased risk of hypoglycemia and weight gain as patients age, may also increase CV events and no longer a recommended agent by the ADA
197	Byetta, Bydureon	Exenatide, Exenatide weekly	Antidiabetic Glucagon-Like Peptide-1 Receptor Agonist	Counsel on pen injection technique. Nausea and vomiting tend to be dose related and transient start with 5 mcg daily dose and after a month increase to 10 mcg dose, watch for signs of pancreatitis and can be dosed 60 min or less before meals twice a day. New Bydureon pen not user friendly
198	Victoza	Liraglutide	Antidiabetic Glucagon-Like Peptide-1 Receptor Agonist	Counsel on pen injection technique. Nausea and vomiting tend to be dose related and transient, watch for signs of pancreatitis. Box warning - Rodent studies - risk of thyroid C-cell tumors.
199	Fosamax	Alendronate	Bisphosphonate Osteoporosis Agent	Take on an empty stomach with a full glass of water, must sit or stand for 30 minutes following the dose, osteonecrosis of jaw and atypical fractures
200	Boniva	Ibandronate	Bisphosphonate Osteoporosis Agent	Take on an empty stomach with a full glass of water, must sit or stand for 60 minutes following the dose. osteonecrosis of jaw and atypical fractures
201	Actonel, Atelvia	Risedronate, delayed release enteric coated risedronate	Bisphosphonate Osteoporosis Agent	Take on an empty stomach with a full glass of water, must sit or stand for 30-60 minutes following the dose. Atelvia is enteric coated formulation which should be taken after breakfast but not available as generic. osteonecrosis of jaw and atypical fractures
202	Estratest (HS)	Estrogen/ Methyltestosterone	Combination Hormone, C-V	CV, thromboembolic caution
203	Combipatch	Estradiol/Norethindrone	Estrogen and Progestin Combination	Stable at room temperature for 6 months
204	Premarin	Conjugated Estrogens	Estrogen hormone	May take with food to decrease GI symptoms
205	Climara, Estrace	Estradiol	Estrogen Hormone	CV, thromboembolic caution
206	Evista	Raloxifene	Estrogen receptor modulator, Post-menopausal Osteoporosis	CV risk and thromboembolic black box warnings, may inc TGs, myalgia. May cause or worsen hot flashes
207	Prempro or Premphase	Conjugated Estrogens with medroxyprogesterone	Estrogen-Progestin hormone combo	increased risk of CV and DVT as well as dementia with long term therapy, report any abnormal vaginal bleeding
208	Colcrys	Colchicine	Gout - Inflammatory Mediator	Long-term therapy requires blood work. no more than 3 tablets for an acute attack with similar efficacy to 8 tablets but with much less risk of GI toxicity
209	Zyloprim	Allopurinol	Gout - Xanthine Oxidase Inhibitor	Consume large amounts of fluids to prevent kidney stone formation. start with 100 mg QD after an acute gout attack has subsided and gradually increase the dose at no more than weekly interval to about 300 mg QD to reduce the risk of mobilization gout, may also add low dose colchicine 1-2 tabs per day for prevention of mobilization gout, D/C at first signs of a rash
210	Uloric	Febuxostat	Gout - Xanthine Oxidase Inhibitor	Same as allopurinol but may be safe in patients with a history of adverse skin reactions to allopurinol. Also unlike allopurinol in that no dosage adjustment in renal dysfunction
211	Provera	Medroxyprogesterone Acetate	Hormone/Progestin	May take with food to decrease GI symptoms, preg cat: X, may lead to uterine bleeding irregularities, long term use may decrease bone mineral density

212	Humulin R	Insulin - regular	Insulin - Fast Acting	counsel on injection technique and hypoglycemia, take 15-30 min prior to meal
213	Humulin N	Insulin - NPH	Insulin - Intermediate Acting	counsel on injection technique and hypoglycemia
214	Levemir	Insulin Detemir	Insulin - Intermediate-Long acting	cannot be mixed with another insulin
215	Lantus	Insulin Glargine	Insulin - Long Acting	cannot be mixed with another insulin, May have an increase in injection site pain/rxn. pH of 4
216	Novolog	Insulin Aspart	Insulin - Rapid Acting	Take immediately before meals, counsel on injection technique and hypoglycemia
217	Humalog	Insulin Lispro	Insulin - Rapid Acting	Take immediately before meals, counsel on injection technique and hypoglycemia
218	Apidra	Insulin Glulisine	Insulin - Rapid Acting	Take immediately before meals, counsel on injection technique and hypoglycemia
219	Yasmin, Ocella, Yaz	Ethinyl Estradiol/ Drospirenone	Oral contraceptive	Take everyday - counsel on missed dose protocol, caution with antibiotics. new warnings about increased risk of VTEs especially in older women and those who smoke ; risk of hyperkalemia
220	Kariva, Ortho-Cept, Mircette, Desogen or Apri	Ethinyl Estradiol / Desogestrel	Oral contraceptive	Take everyday - counsel on missed dose protocol, caution with antibiotics. new warnings about increased risk of VTEs especially in older women and those who smoke ; risk of hyperkalemia
221	Aviane, Alesse	Ethinyl Estradiol / Levonorgestrel	Oral contraceptive	Take everyday - counsel on missed dose protocol, caution with antibiotics. new warnings about increased risk of VTEs especially in older women and those who smoke
222	Loestrin FE	Norethindrone/Ethinyl Estradiol, Fe+	Oral contraceptive	Take at same time everyday, counsel on missed dose protocol. Caution with antibiotics, smoking
223	TriNessa, Tri-Sprintec	Norgestimate & Ethinyl Estradiol	Oral contraceptive	Take at same time everyday, counsel on missed dose protocol. Caution with antibiotics, smoking
224	Ortho Tri-Cyclen (Lo)	Norgestimate/Ethinyl Estradiol	Oral contraceptive	Take at same time everyday, counsel on missed dose protocol. Caution with antibiotics, smoking
225	Ortho Evra	Ethinyl Estradiol / Norelgestromin	Patch contraceptive	Each patch should remain in place for 7 days, CV risk, smoking risk. Less effective for contraception in overweight women
226	Novolin 70/30, Humulin 70/30	Insulin 70% NPH/ 30 % Regular	Pre-Mixed insulin	counsel on injection technique and hypoglycemia, 1st # is percent of intermediate release insulin and second is fast acting
227	Novalog Mix 70/30, Humalog Mix 75/25	Insulin 70% protamine/ 30 % rapid acting	Pre-Mixed insulin	counsel on injection technique and hypoglycemia, 1st # is percent of intermediate release insulin and second is rapid acting
228	Depo-Provera	Medroxyprogesterone	Progestin Contraceptive	May cause weight gain, preg cat: X, may lead to uterine bleeding irregularities, long term use may decrease bone mineral density
229	Deltasone	Prednisone	Steroid Anti-inflammatory	Take with food, may cause agitation, insomnia
230	Medrol	Methylprednisolone	Steroid anti-inflammatory/allergy	Take with food, may cause agitation, insomnia
231	Armour thyroid	Desiccated thyroid	Thyroid Hormone	Take on an empty stomach in the morning
232	Synthroid, Levoxyl	Levothyroxine	Thyroid Hormone (synthetic T4)	Narrow Therapeutic Index Drug: Take on an empty stomach in the morning with full glass of water at least 30 minutes prior to food (Do not take close to Calcium), Stay on specific brand or generic due to bioavailability issues, TSH monitoring (many dosages available from 25mcg to 300 mcg for fine tuning), adverse drug reactions early on often due to too high of dosing (med induced hyperthyroidism - heat intolerance and sweating, frequent bowel movements, restlessness, tachycardias, hair loss). Pregnancy Cat A: may need to increase dose in pregnancy, drug instable in light and humidity. Levothyroxine FDA Orange Book 4 sub categories of AB ratings (i.e. AB1, AB2, AB3 and AB4) so be careful when switching between brands and generic manufacturers stay within the same AB subclass; takes 4 weeks to reach new steady state levels and TSH may lag another 2-3 weeks (T1/2 approx 7 days)
233	Vivelle-Dot, Estraderm	Estradiol	Topical estrogen patch	Counsel on twice weekly patch application. Note: Climara is once-weekly patch
234	NuvaRing	Ethinyl Estradiol / Etonogestrel	Vaginal contraceptive	Counsel on vaginal application, 3 weeks in, 1 week off
235	Vagifem	Estradiol	Vaginal estrogen	Counsel on vaginal tablet use with Vagifem
<b>General Category: Gastrointestinal</b>				
236	Bentyl	Dicyclomine	Anticholinergic for cramping/irritable bowel	May cause dry mouth, dizziness. Avoid alcohol use.
237	Levsin/Levbid/Levsinex	Hyoscyamine	Anticholinergic for cramping/irritable bowel	Take before meals. May experience dizziness, blurred vision, constipation.
238	Imodium	Loperamide	Antidiarrheal	May cause drowsiness, contact MD if diarrhea persists longer than 48 hours
239	Lomotil	Diphenoxylate/Atr opine	Antidiarrheal; C-V	Do not exceed prescribed dose, anticholinergic side-effects possible

240	Phenergan	Promethazine	Antihistamine - Nausea/Vomiting treatment	May cause anticholinergic side-effects.
241	Amitiza	Lubiprostone	Chloride Channel Activator	Take with food to decrease nausea
242	Xenical	Orlistat	Fat absorption inhibitor	Caution regarding uncontrollable oily bowel movements especially after high fat meal, patient should take supplemental fat soluble vitamins at least 2 hrs prior to orlistat dose
243	Pepcid	Famotidine	H 2 Antihistamine	Do not exceed 14 days of OTC therapy unless directed by MD, report severe abdominal pain/discomfort to MD
244	Zantac	Ranitidine	H 2 Antihistamine	Do not exceed 14 days of OTC therapy unless directed by MD, report severe abdominal pain/discomfort to MD
245	Miralax, Glycolax	Polyethylene Glycol	Laxative	Safe for daily use, 17 grams dissolved in 8 oz of water once daily as needed
246	Reglan	Metoclopramide	Promotility-Antiemetic	Take 30 minutes prior to meal, avoid use with alcohol, associated with extrapyramidal symptoms and depression, caution in elderly
247	Nexium	Esomeprazole	Proton Pump Inhibitor	Take 30- 60 min prior to a significant meal. all of these meds are pro-drugs which need to be absorbed in that state and are activated within the parietal cell when the patient stimulates them to secrete acid by eating. They all also have a short half-life of 1-2 hours. Risks include C Diff diarrhea, pneumonia, fractures and low serum magnesium levels in addition to B12 deficiency.
248	Prevacid	Lansoprazole	Proton Pump Inhibitor	same as esomeprazole
249	Prilosec	Omeprazole	Proton Pump Inhibitor	same as esomeprazole
250	Protonix	Pantoprazole	Proton Pump Inhibitor	same as esomeprazole. Not OTC
251	Aciphex	Rabeprazole	Proton Pump Inhibitor	same as esomeprazole. Not OTC
252	Zegerid	Omeprazole/sodium bicarbonate	Proton Pump Inhibitor/Antacid combo	same as esomeprazole
<b>General Category: Genitourinary</b>				
253	Avodart	Dutasteride	BPH - 5 alpha reductase inhibitor	Capsules <i>should not be handled or taken by women, takes time for shrinkage of prostate and symptom relief</i>
254	Flomax	Tamsulosin	BPH - selective alpha blocker	Take 30min after the same meal every day. May cause dizziness. New combination with dutasteride - Jalyn
255	Uroxatral	Alfuzosin	BPH - selective alpha blocker	Take prior to bedtime to avoid orthostatic hypotensive effects
256	Levitra	Vardenafil	Erectile dysfunction, PDE 5 inhibitor	Report erections lasting longer than 4 hours to ER, avoid nitroglycerin use
257	Viagra	Sildenafil	Erectile dysfunction, PDE 5 inhibitor	Report erections lasting longer than 4 hours to ER, avoid nitroglycerin use
258	Cialis	Tadalafil	Erectile dysfunction, PDE 5 inhibitor	Report erections lasting longer than 4 hours to ER, avoid nitroglycerin use
259	Ditropan (XL)	Oxybutynin	Urinary Incontinence - Anticholinergic	May cause dry mouth, dizziness. Avoid alcohol use.
260	Detrol (LA)	Tolterodine	Urinary Incontinence - Anticholinergic	May cause dry mouth, dizziness. Avoid alcohol use.
261	Enablex	Darifenacin	Urinary Incontinence - Anticholinergic	May cause dry mouth, dizziness. Avoid alcohol use.
262	Pyridium	Phenazopyridine	Urinary Tract Analgesic	Urine will change to orange-red color ...not a cause for alarm, used only for symptom relief and not a cure
<b>General Category: Nutritional</b>				
263	Calcitriol	Cholecalciferol	Vitamin D supplement	Take with food to decrease GI problems
<b>General Category: Ophthalmic</b>				
264	Alphagan P	Brimonidine	Agent for Glaucoma	Refer to eye-drop technique handout
265	Xalatan	Latanoprost	Agent for glaucoma	Refer to eye-drop technique handout. Stable at room temperature for 6 wks. Refrigerate prior to dispensing.
266	Timoptic (XE)	Timolol	Agent for glaucoma	Refer to eye-drop technique handout
267	Travatan	Travoprost	Agent for glaucoma	Refer to eye-drop technique handout
268	Combigan	Brimonidine/Timolol	Alpha II agonist/beta blocker/ antiglaucoma	Refer to eye-drop technique handout
269	Pataday or Patanol	Olopatadine	Antiallergy	Refer to eye-drop technique handout
270	Tobradex	Tobramycin/Dexamethasone	Antibiotic/anti-inflammatory	Refer to eye-drop technique handout
271	Vigamox	Moxifloxacin	Antibiotic/Ophthalmic	Refer to eye-drop technique handout
272	Restasis	Cyclosporine	Calcineurin inhibitor	Invert vial several times prior to use to create uniform emulsion. Used every 12 hours.

273	Cosopt	Dorzolamide/Timolol	Carbonic anhydrase inhibitor/beta blocker/antiglaucoma	Refer to eye-drop technique handout
274	Zymar	Gatifloxacin	Fluoroquinolone	Refer to eye-drop technique handout
275	Lumigan	Bimatoprost	prostaglandin analog for glaucoma treatment	Refer to eye-drop technique handout
<b>General Category: Otic</b>				
276	Cortisporin Otic	Neomycin/polymyxin/hydrocortisone	Otic Antibiotic	See ear drop instructions. Counseling soln vs susp.
277	Ciprodex, Cipro HC	Ciprofloxacin/Dexamethasone, Ciprofloxacin/Hydrocortisone	Otic Antibiotic/Corticosteroid	See ear drop instructions
<b>General Category: Respiratory</b>				
278	Proair HFA or Ventolin HFA or Proventil HFA	Albuterol	Anti-asthmatic: short-acting beta-2 agonist (SABA)	Available in both MDI and nebulizer soln. Counsel on appropriate device use and prn rescue dosing. May also be use for prophylaxis for exercise-induce asthma. May cause jitteriness, nervousness, tachycardia and decrease effectiveness of beta blockers.
279	Combivent Respimat or Duoneb	Albuterol/Ipratropium	Antiasthmatic/COPD Combo. Bronchodilator/Anticholinergic (SABA/SAMA)	see albuterol and ipratropium counseling points, Combivent MDI will no longer be available. Respimat is a new device with a counter - pt counseling required.
280	Pulmicort Respules, Flexhaler	Budesonide Inhalation Suspension	Anti-asthmatic Controller: Steroid (ICS)	Some effects seen after first 2 days of therapy, maximum effect seen within first 2 weeks of therapy, not to be used for rescue
281	Rhinocort Aqua	Budesonide Nasal Spray	Allergic rhinitis - Nasal Steroid	May cause taste distortion, effects seen after several days of therapy, May cause nasal irritation, bleeding
282	Flovent HFA or Diskus	Fluticasone	Anti-asthmatic Controller: Steroid (ICS)	Some effects seen after first 2 days of therapy, maximum effect seen within first 2 weeks of therapy, not to be used for rescue. Counsel on device technique.
283	Arnuity Elipta	Fluticasone furoate	Anti-asthmatic Controller: Steroid (ICS)	Some effects seen after first 2 days of therapy, maximum effect seen within first 2 weeks of therapy, not to be used for rescue. Counsel on device technique.
284	Flonase	Fluticasone	Allergic rhinitis - Nasal Steroid	May cause dysgeusia (taste distortion), effects seen after several days of therapy, May cause nasal irritation, bleeding. Now available at reduced cost OTC. Nasacort Allergy 24hr (triamcinolone acetonide) is also avail OTC.
285	Advair HFA or Diskus	Fluticasone/Salmeterol	Antiasthmatic Controller: Steroid /LA B2 agonist (ICS/LABA)	Diskus: Do not shake after activating, counsel on device technique, not to be used for rescue
286	Atrovent	Ipratropium Bromide	Anticholinergic antibrochospasm and antisecretory (SAMA)	Shake well, hold breath for 10 sec after actuation, wait 1 minute for 2nd inhalation, usually very little systemic side-effects because of poor absorption
287	Xopenex (HFA)	Levalbuterol	Anti-asthmatic: short-acting beta-2 agonist (SABA)	counsel on appropriate MDI use and prn rescue dosing
288	Nasonex	Mometasone	Allergic rhinitis -Nasal Steroid	May cause dysgeusia (taste distortion), effects seen after several days of therapy, May cause nasal irritation, bleeding
289	Spiriva HandiHaler or Respimat	Tiotropium	Anticholinergic bronchodilator for COPD (LAMA)	counsel on device technique and once-daily use. Handihaler: 1 capsule/inhalation once a day; Respimat: 2 inhalations once a day.
290	Anoro Ellipta	umeclidinium/vilanterol	LAMA/LABA for COPD	counsel on device technique and once-daily use
291	Stiolto Respimat	tiotropium bromide olodaterol	LAMA/LABA for COPD	counsel on device technique and once-daily use
292	Foradil	formoterol	Long-Acting Beta2 Agonist (LABA)	COPD: counsel on device technique. Not appropriate for monotherapy of asthma: BBW asthma-related death. Can be used WITH an ICS for asthma.
293	serevent	salmeterol	Long-Acting Beta2 Agonist (LABA)	COPD: counsel on device technique. Not appropriate for monotherapy of asthma: BBW asthma-related death. Can be used WITH an ICS for asthma.
294	Arcapta Neohaler	indacaterol	Long-Acting Beta2 Agonist for COPD (LABA)	counsel on device technique, not appropriate for monotherapy of asthma - BBW asthma-related death
295	Striverdi Respimat	Olodaterol	Long-Acting Beta2 Agonist for COPD (LABA)	counsel on device technique, not appropriate for monotherapy of asthma - BBW asthma-related death
296	Tudorza Pressair	Acclidinium	Anticholinergic bronchodilator for COPD (LAMA)	counsel on device technique and twice-daily use

297	Incruse Ellipta	Umeclidinium	Anticholinergic bronchodilator for COPD (LAMA)	counsel on device technique and once-daily use
298	QVAR	Beclomethasone	Anti-asthmatic Controller: inhaled corticosteroid (ICS)	counsel on device technique, not appropriate for monotherapy of COPD
299	Alvesco	ciclesonide	Anti-asthmatic Controller: inhaled corticosteroid (ICS)	counsel on device technique, not appropriate for monotherapy of COPD
300	Symbicort	budesonide/ formoterol	ICS/LABA for COPD	counsel on device technique and twice-daily use, safety not established for children < 4 years old
301	Dulera	mometasone/ formoterol	ICS/LABA for COPD	counsel on device technique and twice-daily use, safety not established for children < 12 years old
302	Breo Ellipta	fluticasone/ vilanterol	ICS/LABA for COPD *and asthma	counsel on device technique and once-daily use. 2015 approved for asthma in patients >18 who are not controlled on low or moderate dose ICS.
303	Asmanex	mometasone	Anti-asthmatic Controller: inhaled corticosteroid (ICS)	counsel on device technique, not approved for monotherapy of COPD
304	Singulair	Montelukast	Anti -asthmatic - Leukotriene inhibitor	chewable tablet contains phenylalanine
305	Zyrtec	Cetirizine	Antihistamine, 2nd generation H1	May cause drowsiness, dizziness or dry mouth. Available in syrup and tablets
306	Clarinex	Desloratadine	Antihistamine, 2nd generation H1	May cause drowsiness, dizziness or dry mouth
307	Claritin	Loratadine	Antihistamine, 2nd generation H1	May cause drowsiness, dizziness or dry mouth
308	Allegra (D)	Fexofenadine (PSE)	Antihistamine, 2nd generation H1 (+Decongestant)	May cause drowsiness, do not take with fruit juices. PSE may cause insomnia, take D products in AM
309	Mucinex (D, DM)	Guaifenesin	Expectorant (+/- decongestant, antitussive)	Take with large glass of water, BID dosing, PSE may cause insomnia, PSE contraindicated in patients with CV risk, hypertension, DM drug interactions. Available OTC
310	Cheratussin AC	Guaifenesin & Codeine	Expectorant/Antitussive combo - CV	Take with water, codeine side-effect possible. Available behind the counter in 120mls. Documentation important.
311	Chantix	Varenicline Tartrate	Nicotinic receptor agonist, Smoking cessation	Usually titrated upward. Most effective smoking cessation agent to date ~ 44% at 12 weeks, also watch for night mares and any changes in affect and/or behavior and report them to the prescriber. Side-effects may be dose related.
312	Zyban	Bupropion	Smoking cessation aid	Take XL tabs in AM to avoid insomnia, do not crush or chew SR or XL tabs, do not take doses too close or exceeding maximum doses because of seizure risk. Potential side-effects inc nervousness, constipation, trouble sleeping, dry mouth, tremor.

**General Category: Vaccine**

313	Zostavax	Herpes zoster vaccine	Herpes Zoster (shingles virus) Vaccine	CDC 60 yrs and above, FDA approved for 50 and above. Decreases risk of shingles and complications, such as postherpetic neuralgia. Not a substitute for varicella vaccine. Separate from Pneumovax by 4 weeks
314	Gardasil, Cervarix	Human papillomavirus vaccine	Human papillomavirus vaccine (HPV)	Potentially prevents cancer. Given in 3 doses over 6 months, Gardasil approved for males also
315	Afluria or Fluvirin or Fluzone	Influenza virus vaccine	Influenza Virus Vaccine	Once yearly dosing generally recommended before Halloween. Now, a variety of dosage forms available. Verify age restrictions for each Brand of vaccine.
316	Pneumovax	Pneumococcal polysaccharide vaccine	Streptococcus Pneumoniae Bacterial Vaccine	Once (or twice) life-time dosing in high risk patients. Pneumovax can now also be given along with Prevnar 13 in older patients with significant risks as of 6-21-12 ACIP Meeting
317	Tdap	Tetanus, Diphtheria, Pertussis Vaccine	Tetanus, Diphtheria, Pertussis	Booster dose after DTaP series in childhood, can replace a Td booster, preferred administration 11-12 years of age.

<u>Dosage Form Abbreviations</u>		<u>Name</u>	<u>Other Abbreviations</u>
XR or XL or ER	Extended release	Acetaminophen -APAP	ACE-I Angiotensin Converting Enzyme Inhib.
XE	Extended effect	Hydrochlorothiazide - HCTZ or HCT	ARB - Angiotensin Receptor Blocker
LA	Long Acting	Dextromethorphan - DM	B2 - beta 2 receptors.
SR	sustained release	Pseudoephedrine - PSE	COPD - Chronic Obstructive Disease
CR	Controlled release	Phenylephrine - PE	H1 -Histamine 1 receptors

TTS	Transdermal Therapeutic System	Codeine - AC	H2 - Histamine 2 receptors
ODT	Orally disintegrating tab	Hydrocortisone - HC	5-HT - serotonin receptor
D	Decongestant		NSAID - Non steroidal anti-inflammatory
PM	evening		SSRI - Selective Serotonin Reuptake Inhib
HS	half-strength		SNRI - Serotonin Norepinephrine Reuptake Inhibitor
			LD: Low-Dose
			HF - Heart Failure