### Rural Health Center - SWOSU College of Pharmacy logo with windmill and line for wind

RURAL ROCKS

Immunization Classes at Southwestern Oklahoma State University this summer <http://www.southwesternpharmacy.com/docs/2017ProgramBrochure.pdf>

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[ Small Doses: Pharmacy News Featuring Vaccine Skeptics, an Aspirin-Cancer Link, and More](#_Toc484005874)

[ Delayed Allergic Reaction Triggered by Meat Linked to Tick Bites](#_Toc484005875)

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# RECALLS

## Birth Control Pills Recalled Due to Out of Sequence Tablets

### <http://www.empr.com/safety-alerts-and-recalls/mibelas-oral-contraceptive-recall-lupin/article/664824/?DCMP=EMC-MPR_DailyDose_cp_20170530&cpn=Pharm&hmSubId=O7oGyhxXy0c1&hmEmail=zc9AEZF4x4rPbtLJAxJhmklDzcJVA8s10&NID=&c_id=&dl=0&spMailingID=17344560&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1022563904&spReportId=MTAyMjU2MzkwNAS2>

## Recalls

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **05/25/2017** | [**Caverflo**](https://www.fda.gov/Safety/Recalls/ucm560680.htm) | **Natural Herbal Coffee** | **Undeclared Sildenafil and Tadalafil, Undeclared Milk** | **Caverflo.com** |
| **05/25/2017** | [**Lupin**](https://www.fda.gov/Safety/Recalls/ucm560904.htm) | **Mibelas 24 Fe (Norethindrone Acetate and Ethinyl Estradiol 1 mg/0.02 mg chewable and ferrous fumarate 75 mg)** | **Out of Sequence Tablets and Missing Expiry/Lot information** | **Lupin Pharmaceuticals Inc.** |
| **05/24/2017** | [**Astrazeneca**](https://www.fda.gov/Safety/Recalls/ucm560776.htm) | **professional (physician) sample BRILINTA (ticagrelor) 90mg tablets** | **Product container contained another medicine called ZURAMPIC** | **Astrazeneca** |
| **05/08/2017** | [**Truxton Incorporated**](https://www.fda.gov/Safety/Recalls/ucm557260.htm) | **Amitriptyline HCL Tablets, USP 50mg and Phenobarbital Tablets, USP 15mg, 30mg, 60mg, 100mg** | **Labeling mix-up** | **C.O. Truxton, Inc.** |
| **05/05/2017** | [**GEC Laxoplex**](https://www.fda.gov/Safety/Recalls/ucm557125.htm) | **Marketed as a dietary supplement** | **Presence of anabolic steroids** | **Genetic Edge Compounds** |
| **04/21/2017** | [**Hospira, Inc.**](https://www.fda.gov/Safety/Recalls/ucm554446.htm) | **25% Dextrose Injection, USP (Infant)** | **Particulate matter (human hair)** | **Hospira, Inc.** |
| **04/21/2017** | [**C.O. Truxton, Inc.**](https://www.fda.gov/Safety/Recalls/ucm554329.htm) | **Phenobarbital Tablets, USP, 15 mg** | **Product may contain 30 mg tablets** | **C.O. Truxton, Inc.** |

# SHORTAGES

|  |  |
| --- | --- |
| [Acetohydroxamic Acid (Lithostat) Tablets](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Acetohydroxamic%20Acid%20%28Lithostat%29%20Tablets&st=r&tab=tabs-1) | ***Resolved***  |
| [Albuterol Sulfate Inhalation Solution (0.5%)](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Albuterol%20Sulfate%20Inhalation%20Solution%20%280.5per%29&st=r&tab=tabs-1" \o "Link to Albuterol Sulfate Inhalation Solution (0.5%) detail) | ***Resolved***  |
| [Alitretinoin (Panretin) Gel](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Alitretinoin%20%28Panretin%29%20Gel&st=r&tab=tabs-1) | ***Resolved***  |
| [Anagrelide Hydrochloride Capsules](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Anagrelide%20Hydrochloride%20Capsules&st=r&tab=tabs-1) | ***Resolved***  |
| [Asparaginase Erwinia Chrysanthemi (Erwinaze)](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Asparaginase%20Erwinia%20Chrysanthemi%20%28Erwinaze%29&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Atropine Sulfate Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Atropine%20Sulfate%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Belatacept (Nulojix) Lyophilized Powder for Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Belatacept%20%28Nulojix%29%20Lyophilized%20Powder%20for%20Injection&st=c&tab=tabs-1" \o "Link to Belatacept (Nulojix) Lyophilized Powder for Injection detail) | ***Currently in Shortage***  |
| [Bleomycin Sulfate for Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Bleomycin%20Sulfate%20for%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Caffeine Anhydrous (125mg/mL); Sodium Benzoate (125mg/mL) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Caffeine%20Anhydrous%20%28125mg/mL%29;%20Sodium%20Benzoate%20%28125mg/mL%29%20Injection&st=r&tab=tabs-1" \o "Link to Caffeine Anhydrous (125mg/mL); Sodium Benzoate (125mg/mL) Injection detail) | ***Resolved***  |
| [Calcium Chloride Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Calcium%20Chloride%20Injection,%20USP&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Calcium Gluconate Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Calcium%20Gluconate%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Cefepime Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Cefepime%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Cefotaxime Sodium (Claforan) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Cefotaxime%20Sodium%20%28Claforan%29%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Cefotetan Disodium Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Cefotetan%20Disodium%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Ceftazidime and Avibactam (AVYCAZ) for Injection, 2.5g](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Ceftazidime%20and%20Avibactam%20%28AVYCAZ%29%20for%20Injection,%202.5g&st=r&tab=tabs-1) | ***Resolved***  |
| [Chloramphenicol Sodium Succinate Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Chloramphenicol%20Sodium%20Succinate%20Injection&st=r&tab=tabs-1) | ***Resolved***  |
| [Chloroquine Phosphate Tablets](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Chloroquine%20Phosphate%20Tablets&st=r&tab=tabs-1) | ***Resolved***  |
| [Desmopressin Acetate Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Desmopressin%20Acetate%20Injection&st=r&tab=tabs-1" \o "Link to Desmopressin Acetate Injection detail) | ***Resolved***  |
| [Dexamethasone Sodium Phosphate Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Dexamethasone%20Sodium%20Phosphate%20Injection&st=r&tab=tabs-1) | ***Resolved***  |
| [Dextrose 5% Injection Bags](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Dextrose%205per%20Injection%20Bags&st=r&tab=tabs-1) | ***Resolved***  |
| [Dextrose 50% Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Dextrose%2050per%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Dextrose Injection USP, 70%](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Dextrose%20Injection%20USP,%2070per&st=r&tab=tabs-1) | ***Resolved***  |
| [Dihydroergotamine Mesylate Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Dihydroergotamine%20Mesylate%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Disopyramide Phosphate (Norpace) Capsules](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Disopyramide%20Phosphate%20%28Norpace%29%20Capsules&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Doxorubicin Lyophilized Powder for Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Doxorubicin%20Lyophilized%20Powder%20for%20Injection&st=r&tab=tabs-1) | ***Resolved***  |
| [Epinephrine Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Epinephrine%20Injection&st=c&tab=tabs-1" \o "Link to Epinephrine Injection detail) | ***Currently in Shortage***  |
| [Epinephrine Injection, 0.1 mg/mL](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Epinephrine%20Injection,%200.1%20mg/mL&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Epinephrine Injection, 1 mg/mL](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Epinephrine%20Injection,%201%20mg/mL&st=r&tab=tabs-1) | ***Resolved***  |
| [Estradiol Valerate Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Estradiol%20Valerate%20Injection,%20USP&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Ethiodized Oil (Lipiodol) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Ethiodized%20Oil%20%28Lipiodol%29%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Etoposide Phosphate (Etopophos) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Etoposide%20Phosphate%20%28Etopophos%29%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Fentanyl Citrate (Sublimaze) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Fentanyl%20Citrate%20%28Sublimaze%29%20Injection&st=c&tab=tabs-1" \o "Link to Fentanyl Citrate (Sublimaze) Injection detail) | ***Currently in Shortage***  |
| [Fomepizole Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Fomepizole%20Injection&st=r&tab=tabs-1) | ***Resolved***  |
| [Gemifloxacin Mesylate (Factive) Tablets](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Gemifloxacin%20Mesylate%20%28Factive%29%20Tablets&st=c&tab=tabs-1" \o "Link to Gemifloxacin Mesylate (Factive) Tablets detail) | ***Currently in Shortage***  |
| [Hydroxyamphetamine Hydrobromide/Tropicamide (Paremyd)](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Hydroxyamphetamine%20Hydrobromide/Tropicamide%20%28Paremyd%29&st=r&tab=tabs-1" \o "Link to Hydroxyamphetamine Hydrobromide/Tropicamide (Paremyd) detail) | ***Resolved***  |
| [Imipenem and Cilastatin for Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Imipenem%20and%20Cilastatin%20for%20Injection,%20USP&st=c&tab=tabs-1" \o "Link to Imipenem and Cilastatin for Injection, USP detail) | ***Currently in Shortage***  |
| [Indigotindisulfonate Sodium (Indigo Carmine) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Indigotindisulfonate%20Sodium%20%28Indigo%20Carmine%29%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Ketoprofen Capsules](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Ketoprofen%20Capsules&st=r&tab=tabs-1" \o "Link to Ketoprofen Capsules detail) | ***Resolved***  |
| [L-Cysteine Hydrochloride Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=L-Cysteine%20Hydrochloride%20Injection&st=c&tab=tabs-1" \o "Link to L-Cysteine Hydrochloride Injection detail) | ***Currently in Shortage***  |
| [Labetalol Hydrochloride Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Labetalol%20Hydrochloride%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Leucovorin Calcium Lyophilized Powder for Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Leucovorin%20Calcium%20Lyophilized%20Powder%20for%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Leuprolide Acetate Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Leuprolide%20Acetate%20Injection&st=r&tab=tabs-1) | ***Resolved***  |
| [Lidocaine Hydrochloride (Xylocaine) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Lidocaine%20Hydrochloride%20%28Xylocaine%29%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [LifeCare PCA™ Sterile Empty Vial and Injector](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=LifeCare%20PCA%E2%84%A2%20Sterile%20Empty%20Vial%20and%20Injector&st=r&tab=tabs-1) | ***Resolved***  |
| [Liotrix (Thyrolar) Tablets](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Liotrix%20%28Thyrolar%29%20Tablets&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Mecasermin [rDNA origin] (Increlex) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Mecasermin%20%5brDNA%20origin%5d%20%28Increlex%29%20Injection&st=c&tab=tabs-1" \o "Link to Mecasermin [rDNA origin] (Increlex) Injection detail) | ***Currently in Shortage***  |
| [Methotrexate Sodium Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Methotrexate%20Sodium%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Methylprednisolone Sodium Succinate for Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Methylprednisolone%20Sodium%20Succinate%20for%20Injection,%20USP&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Morphine Sulfate Injection, USP, CII, (Preservative-Free)(For PCA Use Only)](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Morphine%20Sulfate%20Injection,%20USP,%20CII,%20%28Preservative-Free%29%28For%20PCA%20Use%20Only%29&st=r&tab=tabs-1) | ***Resolved***  |
| [Multi-Vitamin Infusion (Adult and Pediatric)](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Multi-Vitamin%20Infusion%20%28Adult%20and%20Pediatric%29&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Mupirocin Calcium Nasal Ointment](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Mupirocin%20Calcium%20Nasal%20Ointment&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Nimodipine (Nymalize) Oral Solution](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Nimodipine%20%28Nymalize%29%20Oral%20Solution&st=r&tab=tabs-1" \o "Link to Nimodipine (Nymalize) Oral Solution detail) | ***Resolved***  |
| [Nitrous Oxide, Gas](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Nitrous%20Oxide,%20Gas&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Penicillin G Benzathine (Bicillin L-A) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Penicillin%20G%20Benzathine%20%28Bicillin%20L-A%29%20Injection&st=c&tab=tabs-1" \o "Link to Penicillin G Benzathine (Bicillin L-A) Injection detail) | ***Currently in Shortage***  |
| [Penicillin G Benzathine and Penicillin G Procaine (Bicillin C-R) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Penicillin%20G%20Benzathine%20and%20Penicillin%20G%20Procaine%20%28Bicillin%20C-R%29%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Penicillin G Procaine Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Penicillin%20G%20Procaine%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Peritoneal Dialysis Solutions](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Peritoneal%20Dialysis%20Solutions&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Piperacillin and Tazobactam (Zosyn) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Piperacillin%20and%20Tazobactam%20%28Zosyn%29%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Potassium Chloride Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Potassium%20Chloride%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Potassium Phosphate Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Potassium%20Phosphate%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Procainamide Hydrochloride Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Procainamide%20Hydrochloride%20Injection,%20USP&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Promethazine (Phenergan) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Promethazine%20%28Phenergan%29%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Ranitidine Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Ranitidine%20Injection,%20USP&st=c&tab=tabs-1" \o "Link to Ranitidine Injection, USP detail) | ***Currently in Shortage***  |
| [Rocuronium Bromide Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Rocuronium%20Bromide%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Sacrosidase (Sucraid) Oral Solution](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sacrosidase%20%28Sucraid%29%20Oral%20Solution&st=c&tab=tabs-1" \o "Link to Sacrosidase (Sucraid) Oral Solution detail) | ***Currently in Shortage***  |
| [Sclerosol Intrapleural Aerosol](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sclerosol%20Intrapleural%20Aerosol&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Scopolamine (Transderm Scop) Transdermal System Patch](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Scopolamine%20%28Transderm%20Scop%29%20Transdermal%20System%20Patch&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Sincalide (Kinevac) Lyophilized Powder for Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sincalide%20%28Kinevac%29%20Lyophilized%20Powder%20for%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Sodium Acetate Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sodium%20Acetate%20Injection,%20USP&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Sodium Bicarbonate Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sodium%20Bicarbonate%20Injection,%20USP&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Sodium Chloride 0.9% Injection Bags](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sodium%20Chloride%200.9per%20Injection%20Bags&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Sodium Chloride 23.4% Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sodium%20Chloride%2023.4per%20Injection&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Sterile Talc Powder](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sterile%20Talc%20Powder&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Sufentanil Citrate (Sufenta) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sufentanil%20Citrate%20%28Sufenta%29%20Injection&st=r&tab=tabs-1) | ***Resolved***  |
| [Sumatriptan (Imitrex) Nasal Spray](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Sumatriptan%20%28Imitrex%29%20Nasal%20Spray&st=r&tab=tabs-1) | ***Resolved***  |
| [Technetium Tc99m Succimer Injection (DMSA)](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Technetium%20Tc99m%20Succimer%20Injection%20%28DMSA%29&st=c&tab=tabs-1" \o "Link to Technetium Tc99m Succimer Injection (DMSA) detail) | ***Currently in Shortage***  |
| [Theophylline Extended Release Tablets and Capsules](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Theophylline%20Extended%20Release%20Tablets%20and%20Capsules&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Tigecycline (Tygacil) Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Tigecycline%20%28Tygacil%29%20Injection&st=r&tab=tabs-1) | ***Resolved***  |
| [Tobramycin Injection](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Tobramycin%20Injection&st=r&tab=tabs-1) | ***Resolved***  |
| [Tolmetin Sodium Tablets, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Tolmetin%20Sodium%20Tablets,%20USP&st=c&tab=tabs-1) | ***Currently in Shortage***  |
| [Tretinoin Capsules](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Tretinoin%20Capsules&st=r&tab=tabs-1) | ***Resolved***  |
| [Trimipramine Maleate (SURMONTIL) Capsules](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Trimipramine%20Maleate%20%28SURMONTIL%29%20Capsules&st=r&tab=tabs-1) | ***Resolved***  |
| [Vancomycin Hydrochloride for Injection, USP](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Vancomycin%20Hydrochloride%20for%20Injection,%20USP&st=r&tab=tabs-1" \o "Link to Vancomycin Hydrochloride for Injection, USP detail) | ***Resolved***  |
| [Water-Miscible Vitamin A Palmitate (Aquasol A Parenteral)](https://www.accessdata.fda.gov/scripts/drugshortages/dsp_ActiveIngredientDetails.cfm?AI=Water-Miscible%20Vitamin%20A%20Palmitate%20%28Aquasol%20A%20Parenteral%29&st=r&tab=tabs-1" \o "Link to Water-Miscible Vitamin A Palmitate (Aquasol A Parenteral) detail) | ***Resolved***  |

# DRUG

## Effective Lice Management in the Era of Pesticide-Resistance

### <http://drugtopics.modernmedicine.com/drug-topics/news/effective-lice-management-era-pesticide-resistance>

## 10 More Newly Approved Drugs

### <http://drugtopics.modernmedicine.com/node/435292?page=0,0&ampGUID=4E10CEE7-7762-4945-BD54-02AD876BC4C3&rememberme=1&ts=03052017>

## NECC and Future of Compounding Pharmacy

### <http://drugtopics.modernmedicine.com/drug-topics/news/compounding-pharmacist-guilty-fraud-not-murder?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=02052017>

## New Drug Product: Ingrezza

### <http://www.empr.com/new-drug-product-ingrezza/slideshow/3894/?DCMP=EMC-MPR_FirstLook_cp&cpn=Pharm&hmSubId=O7oGyhxXy0c1&hmEmail=zc9AEZF4x4rPbtLJAxJhmklDzcJVA8s10&NID=&c_id=&dl=0&spMailingID=17141066&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1020161584&spReportId=MTAyMDE2MTU4NAS2>

## Prescription Drug Spending Slowing

### <http://drugtopics.modernmedicine.com/drug-topics/news/prescription-drug-spending-slowing?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=05052017>

## More Billion-Dollar Drugs, Faster Approvals, and Other Pharmaceutical Trends

### <http://drugtopics.modernmedicine.com/drug-topics/news/more-billion-dollar-drugs-faster-approvals-and-other-pharmaceutical-trends?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=16052017>

## Long-acting insulin price concerns challenge WHO proposal

### <http://www.in-pharmatechnologist.com/Regulatory-Safety/Long-acting-insulin-price-concerns-challenge-WHO-proposal?utm_source=newsletter_daily&utm_medium=email&utm_campaign=30-May-2017&c=UsGRBeLc2egPo%2FYBkiE8aYzk7BWUNJhP&p2=>

## Generic Option for ADHD Approved

### <http://www.consultant360.com/exclusives/generic-option-adhd-approved>

## New Dosage for HIV Drug Approved

### <http://www.consultant360.com/exclusives/new-dosage-hiv-drug-approved>

# HOSPITAL

# FDA

## Will Gottlieb’s Faster Drug Approvals at FDA Help or Harm?

### <http://drugtopics.modernmedicine.com/drug-topics/news/will-gottlieb-s-faster-drug-approvals-fda-help-or-harm?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=12052017>

# IMMUNIZATIONS

## [Vaccines for Children Program (VFC)](https://www.cdc.gov/vaccines/programs/vfc/index.html)

### <https://www.cdc.gov/vaccines/programs/vfc/index.html>

## IIS: HL7 Standard Code Set Mapping CVX to Vaccine Groups

### <https://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=vg>

## Epidemiology and Prevention of Vaccine-Preventable Diseases

### <https://www.cdc.gov/vaccines/pubs/pinkbook/index.html>

## CDC Offers Guidance on 2 vs. 3 Doses of Serogroup B Meningococcal Vaccine

### <http://www.jwatch.org/fw112899/2017/05/19/cdc-offers-guidance-2-vs-3-doses-serogroup-b?query=pfwTOC&jwd=000020097761&jspc=%20>

## ACIP Vaccine Recommendations and Guidelines

### <https://www.cdc.gov/vaccines/hcp/acip-recs/index.html>

## Perinatal Hepatitis B Coordinator List

### <https://www.cdc.gov/vaccines/vpd/hepb/hcp/perinatal-contacts.html>

# INSURANCE

# NEWS

## Seniors Often Have Trouble Managing Money, Medicines

### <https://consumer.healthday.com/senior-citizen-information-31/misc-aging-news-10/seniors-often-have-trouble-managing-money-medicines-721842.html>

## NEJM Journal Watch

### <http://www.jwatch.org/?jwd=000020097761&jspc=%20>

## Feasting on Rural America: The Spread of Tick-Borne Diseases

### <https://www.ruralhealthinfo.org/rural-monitor/tick-borne-diseases/?utm_source=racupdate&utm_medium=email&utm_campaign=update051717>

## Experts warn summer will bring more ticks, deadly Powassan virus

### <http://www.chicagotribune.com/lifestyles/health/sc-deadly-new-tick-borne-disease-health-0607-20170515-story.html>

## Small Doses: Pharmacy News Featuring Vaccine Skeptics, an Aspirin-Cancer Link, and More

### <http://drugtopics.modernmedicine.com/drug-topics/news/small-doses-pharmacy-news-featuring-vaccine-skeptics-aspirin-cancer-link-and-more?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=24052017>

## Delayed Allergic Reaction Triggered by Meat Linked to Tick Bites

### <http://www.empr.com/news/tick-bite-anaphylaxis-hypotension-allergic-reaction/article/663915/?DCMP=EMC-MPR_DailyDose_cp_20170524&cpn=Pharm&hmSubId=O7oGyhxXy0c1&hmEmail=zc9AEZF4x4rPbtLJAxJhmklDzcJVA8s10&NID=&c_id=&dl=0&spMailingID=17304560&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1022048450&spReportId=MTAyMjA0ODQ1MAS2>