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1-15-2018

## January 2018

Southwestern Oklahoma State University

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## RECALLS

## SHORTAGES

Shortage of Two ADHD Medications Due to Manufacturing Delays

Current Shortages

## DRUGS

Hepilisav-B Now Available for Hepatitis B Prevention in Adults

Every New FDA Drug Approval in 2017

## HOSPITAL

Managed Care Update: Hospitals Become Drugmakers in an Effort to Cut Prices—But Will it Work?

## FDA

FDA Approves Adjuvant Therapy for Melanoma

FDA: Prescription Opioid Cough/Cold Meds No Longer Indicated for Children

FDA Adds New Compounding Pharmacy Regulations

FDA takes new steps to help mitigate overprescribing of opioid medications as effort to reduce rates of new addiction - Drug Information Update

MedWatch: The FDA Safety Information and Adverse Event Reporting Program

## IMMUNIZATIONS

CDC Vaccine Price List

NIIW (National Infant Immunization Week)

FDA approves drug to treat dangerously low blood pressure

Ixekizumab Gets FDA Nod for Active Psoriatic Arthritis

Giapreza Approved to Treat Critically Ill Hypotensive Patients

ACIP Vaccine Recommendations and Guidelines

Manual for the Surveillance of Vaccine-Preventable Diseases

Immunization MMWRs

## PHARMACY EDUCATION

The Dangers of Texting Medical Orders

Pharmacy-Based Disease Management Program  
Reduced COPD Symptoms

Wellness Visits/Pharmacists: Perfect Together

Pharmacy Technology: Disruption or Improvement?

10 Vintage Ads Show How Pharmacy Has Changed

Top 7 Challenges (and Opportunities) for Pharmacy in 2018

## DIABETES EDUCATION

FDA Approves New SGLT2 Inhibitor for Diabetes

Three New Type 2 Diabetes Treatments Get FDA Approval

FDA permits marketing of device to treat diabetic foot ulcers

Kidney Disease Can Lead to Diabetes, Not Just the Other Way Around

Factors contributing to higher incidence of diabetes for black Americans

Improving Diabetes Management in Complex Populations

## COPD EDUCATION

COPD Among Leading Causes of Death Despite Affordable Interventions

COPD Patients Have Higher Risk for Adverse Drug Reactions

## INSURANCE

## NEWS

CEOs of CVS Health, Aetna say merger will offer new front door to healthcare

Zika remains a research and public health challenge, say NIAID scientists

Doctor Gets Jail Time for HIPAA Violation

Mylan introduces Estrace cream generic

Beat-to-Beat Blood Pressure Variability Predicts Recurrent Stroke, Cardiovascular Events

How Pharmacists Can Protect Kids from Dangerous Medications

Flu infection study increases understanding of natural immunity

Special Report: Congress signs OTC hearing aid bill

The Future of Pharm Techs

**RECALLS**

Date	Brand Name	Product Description	Reason/Problem	Company
01/29/2018	<a href="#">Gericare</a>	Sterile Eye Irrigation Solution	Potential microbial contamination which compromises sterility	Kareway Products Inc.
01/26/2018	<a href="#">Limbrel</a>	Limbrel, Limbrel 250, Limbrel 500	Due to potential serious side effects	Primus Pharmaceuticals, Inc.
01/19/2018	<a href="#">Basic Drugs</a>	Senna Laxative	Mislabeling	Magno-Humphries Laboratories, Inc.
01/16/2018	<a href="#">Nexterone</a>	Nexterone 150mg/100ml injection	Presence of particulate matter	Baxter International Inc.
01/12/2018	<a href="#">AuroMedics</a>	Levofloxacin in 5% Dextrose Injection 250mg/50mL	Particulate Matter	AuroMedics Pharma LLC
01/11/2018	<a href="#">PharMEDium Services LLC</a>	Various compounded drug products intended to be sterile	Lack of sterility assurance	PharMEDium Services LLC
01/10/2018	<a href="#">International Laboratories, LLC</a>	Clopidogrel Tablets USP, 75 mg	Due to mis-labeling	International Laboratories, LLC
01/09/2018	<a href="#">AuroMedics Pharma LLC</a>	Ampicillin and Sulbactam for Injection USP	Presence of glass particles	AuroMedics Pharma LLC
12/27/2017	<a href="#">PharMEDium Services, LLC</a>	Compounded injectables	Lack of Sterility Assurance	PharMEDium Services, LLC
12/22/2017	<a href="#">AuroMedics</a>	Linezolid Injection	Particulate contamination (mold)	AuroMedics Pharma

**SHORTAGES****Shortage of Two ADHD Medications Due to Manufacturing Delays**

[https://www.empr.com/news/quillivant-xr-quillichew-er-drug-shortage-attention-deficit-hyperactivity-disorder/article/738438/?utm\\_source=newsletter&utm\\_medium=email&utm\\_campaign=mpr-dailydose-20180122&DCMP=EMC-mpr-dailydose-cp-20180122&spMailingID=18879010&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1181527998&spReportId=MTE4MTUyNzk5OAS2](https://www.empr.com/news/quillivant-xr-quillichew-er-drug-shortage-attention-deficit-hyperactivity-disorder/article/738438/?utm_source=newsletter&utm_medium=email&utm_campaign=mpr-dailydose-20180122&DCMP=EMC-mpr-dailydose-cp-20180122&spMailingID=18879010&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1181527998&spReportId=MTE4MTUyNzk5OAS2)

**Current Shortages**

<https://www.accessdata.fda.gov/scripts/drugshortages/default.cfm>

**February 02, 2018**

- [Deferoxamine Mesylate for Injection, USP](#) (*Currently in Shortage*)
- [Repaglinide Tablets](#) (*Discontinuation*)
- [Thioridazine Hydrochloride Tablets](#) (*Currently in Shortage*)

**January 26, 2018**

- [Flunisolide \(Aerospan\) Inhalation Aerosol](#) (*Discontinuation*)
- [Sterile Water](#) (*Currently in Shortage*)

**January 25, 2018**

- [Carboplatin Injection](#) (*Discontinuation*)
- [Cisplatin Injection](#) (*Discontinuation*)
- [Dorzolamide Hydrochloride Ophthalmic Solution](#) (*Currently in Shortage*)
- [Doxorubicin Injection](#) (*Discontinuation*)
- [Gemcitabine Injection](#) (*Discontinuation*)
- [Ifosfamide Injection](#) (*Discontinuation*)
- [Methotrexate Injection](#) (*Discontinuation*)

**January 24, 2018**

- [Dorzolamide Hydrochloride and Timolol Maleate \(Cosopt\) Ophthalmic Solution](#) (*Currently in Shortage*)
- [Dorzolamide Hydrochloride Ophthalmic Solution](#) (*Currently in Shortage*)
- [Etoposide Injection](#) (*Currently in Shortage*)
- [Sterile Water](#) (*Currently in Shortage*)

**January 23, 2018**

- [Sterile Water](#) (*Currently in Shortage*)

Updated

**February 05, 2018**

- [Atropine Sulfate Injection](#) (*Currently in Shortage*)

**February 02, 2018**

- [Atenolol Tablets](#) (*Currently in Shortage*)
- [Cromolyn Sodium Inhalation Solution, USP](#) (*Currently in Shortage*)

**February 01, 2018**

- [Technetium Tc99m Succimer Injection \(DMSA\)](#) (*Currently in Shortage*)

**January 31, 2018**

- [Calcium Chloride Injection, USP](#) (*Currently in Shortage*)
- [Cefepime Injection](#) (*Currently in Shortage*)
- [Sodium Phosphate Injection](#) (*Currently in Shortage*)

**January 30, 2018**

- [Atenolol Tablets](#) (*Currently in Shortage*)
- [Carbidopa and Levodopa Extended Release Tablets](#) (*Currently in Shortage*)

## DRUGS

### Hepelisav-B Now Available for Hepatitis B Prevention in Adults

[http://www.empr.com/news/heplisav-b-hepatitis-vaccine-adult-prevention-two-dose-recombinant-adjuvanted/article/735407/?DCMP=EMC-MPR\\_DailyDose\\_cp\\_20180108&cpn=Pharm&hmSubId=07oGyhxXy0c1&hmEmail=07oGyhxXy0c1&NID=&c\\_id=&dl=0&spMailingID=18794879&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1180518883&spReportId=MTE4MDUxODg4MwS2](http://www.empr.com/news/heplisav-b-hepatitis-vaccine-adult-prevention-two-dose-recombinant-adjuvanted/article/735407/?DCMP=EMC-MPR_DailyDose_cp_20180108&cpn=Pharm&hmSubId=07oGyhxXy0c1&hmEmail=07oGyhxXy0c1&NID=&c_id=&dl=0&spMailingID=18794879&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1180518883&spReportId=MTE4MDUxODg4MwS2)

### Every New FDA Drug Approval in 2017

<http://drugtopics.modernmedicine.com/drug-topics/news/every-new-fda-drug-approval-2017?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=10012018>

## HOSPITAL

### Managed Care Update: Hospitals Become Drugmakers in an Effort to Cut Prices—But Will it Work?

<https://www.managedhealthcareconnect.com/content/managed-care-update-hospitals-become-drugmakers-effort-cut-prices-will-it-work>

## FDA

### FDA Approves Adjuvant Therapy for Melanoma

<https://www.journalofclinicalpathways.com/news/fda-approves-adjuvant-therapy-melanoma>

### FDA: Prescription Opioid Cough/Cold Meds No Longer Indicated for Children

[http://www.empr.com/safety-alerts-and-recalls/codeine-hydrocodone-cough-cold-medicine-children-fda-opioid/article/736631/?DCMP=EMC-MPR\\_DailyDose\\_cp\\_20180111&cpn=Pharm&hmSubId=07oGyhxXy0c1&hmEmail=07oGyhxXy0c1&NID=&c\\_id=&dl=0&spMailingID=18816821&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1180735535&spReportId=MTE4MDczNTUzNQS2](http://www.empr.com/safety-alerts-and-recalls/codeine-hydrocodone-cough-cold-medicine-children-fda-opioid/article/736631/?DCMP=EMC-MPR_DailyDose_cp_20180111&cpn=Pharm&hmSubId=07oGyhxXy0c1&hmEmail=07oGyhxXy0c1&NID=&c_id=&dl=0&spMailingID=18816821&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1180735535&spReportId=MTE4MDczNTUzNQS2)

### FDA Adds New Compounding Pharmacy Regulations

<http://drugtopics.modernmedicine.com/drug-topics/news/fda-adds-new-compounding-pharmacy-regulations?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=24012018>

### FDA takes new steps to help mitigate overprescribing of opioid medications as effort to reduce rates of new addiction - Drug Information Update

<http://s2027422842.t.en25.com/e/es?s=2027422842&e=46994&elqTrackId=B1F0B909CCF90C71B9C490C37BFE6647&elq=eec3e13fc40f4fcb31c61a1f9ab65ab&elqaid=2287&elqat=1>

### MedWatch: The FDA Safety Information and Adverse Event Reporting Program

- [Gericare Eye Wash by Kareway Products: Recall - Potential Product Contamination](#) Probability of a potentially sight threatening eye infection or impairment. Posted 02/02/2018
- [Ocaliva \(obeticholic acid\): Drug Safety Communication - Boxed Warning Added To Highlight Correct Dosing](#) FDA is clarifying the current recommendations for screening, dosing, monitoring, and managing PBC patients with moderate to severe liver disease taking Ocaliva. Posted 02/01/2018
- [AirLife Humidification Chamber, Heated Breathing Circuit Kits by Vyair Medical: Class I Recall - Manufacturing Error](#) Parts of the chamber may split apart into layers, allowing water to overflow the chamber and back up into the patient breathing circuit, which could lead to serious adverse health consequences, including injury or death. Posted 01/31/2018
- [Imodium \(loperamide\) for Over-the-Counter Use: Drug Safety Communication - FDA Limits Packaging To Encourage Safe Use](#) Reports of serious heart problems and deaths with much higher than recommended doses of loperamide. FDA working with manufacturers to use blister packs or other single dose packaging and to limit number of doses in a package. Posted 01/30/2018
- [Arthri-D 120ct Dietary Supplement by Arthri-D: Recall - Possible Salmonella Contamination](#) Salmonella can cause serious and sometimes fatal infections in young children, frail or elderly people, and others with weakened immune systems. Posted 01/24/2018
- ["Zero For Him" Dietary Supplement by Break Ventures/California Basics: Recall - Possible Salmonella Contamination](#) Salmonella can cause serious and sometimes fatal infections in young children, frail or elderly people, and others with weakened immune systems. Posted 01/24/2018

## IMMUNIZATIONS

### CDC Vaccine Price List

<https://www.cdc.gov/vaccines/programs/vfc/awardees/vaccine-management/price-list/index.html>

### NIIW (National Infant Immunization Week)

<https://www.cdc.gov/vaccines/events/niiw/index.html>

### FDA approves drug to treat dangerously low blood pressure

<https://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm590249.htm>

### Ixekizumab Gets FDA Nod for Active Psoriatic Arthritis

<http://www.rheumatologynetwork.com/article/ixekizumab-gets-fda-nod-active-psoriatic-arthritis?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=22122017>

### Giapreza Approved to Treat Critically Ill Hypotensive Patients

[http://www.empr.com/news/giapreza-angiotensin-ii-intravenous-infusion-low-blood-pressure-septic-shock/article/720562/?DCMP=EMC-MPR\\_DailyDose\\_cp\\_20171227&cpn=Pharm&hmSubId=07oGyhxXy0c1&hmEmail=07oGyhxXy0c1&NID=&c\\_id=&dl=0&spMailingID=18738210&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1162210961&spReportId=MTE2MjlxMDk2MQS2](http://www.empr.com/news/giapreza-angiotensin-ii-intravenous-infusion-low-blood-pressure-septic-shock/article/720562/?DCMP=EMC-MPR_DailyDose_cp_20171227&cpn=Pharm&hmSubId=07oGyhxXy0c1&hmEmail=07oGyhxXy0c1&NID=&c_id=&dl=0&spMailingID=18738210&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1162210961&spReportId=MTE2MjlxMDk2MQS2)

### ACIP Vaccine Recommendations and Guidelines

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

### Manual for the Surveillance of Vaccine-Preventable Diseases

<https://www.cdc.gov/vaccines/pubs/surv-manual/index.html>

### Immunization MMWRs

<https://www.cdc.gov/vaccines/news/news-pubs/>

## PHARMACY EDUCATION

### The Dangers of Texting Medical Orders

<http://drugtopics.modernmedicine.com/drug-topics/news/dangers-texting-medical-orders?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=27122017>

### Pharmacy-Based Disease Management Program Reduced COPD Symptoms

<https://www.managedhealthcareconnect.com/content/pharmacy-based-disease-management-program-reduced-copd-symptoms>

### Wellness Visits/Pharmacists: Perfect Together

<http://drugtopics.modernmedicine.com/drug-topics/news/wellness-visitspharmacists-perfect-together?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=23012018>

### Pharmacy Technology: Disruption or Improvement?

<http://drugtopics.modernmedicine.com/drug-topics/news/pharmacy-technology-disruption-or-improvement?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=25012018>

### 10 Vintage Ads Show How Pharmacy Has Changed

<http://drugtopics.modernmedicine.com/drug-topics/news/10-vintage-ads-show-how-pharmacy-has-changed?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=25012018>

### Top 7 Challenges (and Opportunities) for Pharmacy in 2018

<http://drugtopics.modernmedicine.com/drug-topics/news/top-7-challenges-and-opportunities-pharmacy-2018?GUID=4E10CEE7-7762-4945-BD54-02AD876BC4C3&rememberme=1&ts=17012018>

## DIABETES EDUCATION

### FDA Approves New SGLT2 Inhibitor for Diabetes

<https://www.journalofclinicalpathways.com/news/fda-approves-new-sgl2-inhibitor-diabetes>

### Three New Type 2 Diabetes Treatments Get FDA Approval

[http://www.empr.com/news/diabetes-drugs-ertugliflozin-sgl2-inhibitor-steglatro-steglujan-segluomet/article/720565/?DCMP=EMC-MPR\\_DailyDose\\_cp\\_20171226&cpn=Pharm&hmSubId=07oGyhxXy0c1&hmEmail=07oGyhxXy0c1&NID=&c\\_id=&dl=0&spMailingID=18733862&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1162140196&spReportId=MTE2MjE0MDE5NgS2](http://www.empr.com/news/diabetes-drugs-ertugliflozin-sgl2-inhibitor-steglatro-steglujan-segluomet/article/720565/?DCMP=EMC-MPR_DailyDose_cp_20171226&cpn=Pharm&hmSubId=07oGyhxXy0c1&hmEmail=07oGyhxXy0c1&NID=&c_id=&dl=0&spMailingID=18733862&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1162140196&spReportId=MTE2MjE0MDE5NgS2)

### FDA permits marketing of device to treat diabetic foot ulcers

[https://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm590784.htm?utm\\_campaign=12282017\\_PR\\_FDA%20clears%20Dermapace&utm\\_medium=email&utm\\_source=Eloqua](https://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm590784.htm?utm_campaign=12282017_PR_FDA%20clears%20Dermapace&utm_medium=email&utm_source=Eloqua)

### Kidney Disease Can Lead to Diabetes, Not Just the Other Way Around

[https://medlineplus.gov/news/fullstory\\_170618.html](https://medlineplus.gov/news/fullstory_170618.html)

### Factors contributing to higher incidence of diabetes for black Americans

<https://www.nih.gov/news-events/nih-research-matters/factors-contributing-higher-incidence-diabetes-black-americans>

### Improving Diabetes Management in Complex Populations

<https://www.managedhealthcareconnect.com/article/improving-diabetes-management-complex-populations>

## COPD EDUCATION

### COPD Among Leading Causes of Death Despite Affordable Interventions

<https://www.managedhealthcareconnect.com/content/copd-among-leading-causes-death-despite-affordable-interventions>

### COPD Patients Have Higher Risk for Adverse Drug Reactions

<https://www.managedhealthcareconnect.com/content/copd-patients-have-higher-risk-adverse-drug-reactions>

## INSURANCE NEWS

**CEOs of CVS Health, Aetna say merger will offer new front door to healthcare**

[http://www.drugstorenews.com/article/ceos-cvs-health-aetna-say-merger-will-offer-new-front-door-healthcare?tp=i-H55-Q5U-5Pq-801ko-1v-1qda-1c-1SKM-7zzRM-2J1uQc&pk=440670&utm\\_campaign=Immun&utm\\_source=Exp&utm\\_medium=email&cid=20822&mid=118217434](http://www.drugstorenews.com/article/ceos-cvs-health-aetna-say-merger-will-offer-new-front-door-healthcare?tp=i-H55-Q5U-5Pq-801ko-1v-1qda-1c-1SKM-7zzRM-2J1uQc&pk=440670&utm_campaign=Immun&utm_source=Exp&utm_medium=email&cid=20822&mid=118217434)

**Zika remains a research and public health challenge, say NIAID scientists**

<https://www.nih.gov/news-events/news-releases/zika-remains-research-public-health-challenge-say-niaid-scientists>

**Doctor Gets Jail Time for HIPAA Violation**

[http://www.empr.com/features/hipaa-personal-patient-health-records-criminal-law/article/654196/?DCMP=EMC-MPR\\_DailyDose\\_cp\\_20171222&cpn=Pharm&hmSubId=07oGyhXy0c1&hmEmail=07oGyhXy0c1&NID=&c\\_id=&dl=0&spMailingID=18687850&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1161569110&spReportId=MTE2MTU2OTExMAS2](http://www.empr.com/features/hipaa-personal-patient-health-records-criminal-law/article/654196/?DCMP=EMC-MPR_DailyDose_cp_20171222&cpn=Pharm&hmSubId=07oGyhXy0c1&hmEmail=07oGyhXy0c1&NID=&c_id=&dl=0&spMailingID=18687850&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1161569110&spReportId=MTE2MTU2OTExMAS2)

**Mylan introduces Estrace cream generic**

<http://www.drugstorenews.com/article/mylan-announces-allergan-estrace-cr>

**Beat-to-Beat Blood Pressure Variability Predicts Recurrent Stroke, Cardiovascular Events**

[http://www.neurologyadvisor.com/stroke/beat-to-beat-blood-pressure-variability-stroke-risk/article/734756/?DCMP=EMC-NEURO\\_Update\\_20180109&cpn=&hmSubId=07oGyhXy0c1&hmEmail=07oGyhXy0c1&NID=&dl=0&spMailingID=18794537&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1180515773&spReportId=MTE4MDUxNTc3MwS2](http://www.neurologyadvisor.com/stroke/beat-to-beat-blood-pressure-variability-stroke-risk/article/734756/?DCMP=EMC-NEURO_Update_20180109&cpn=&hmSubId=07oGyhXy0c1&hmEmail=07oGyhXy0c1&NID=&dl=0&spMailingID=18794537&spUserID=NDgyNTEwMTE5NjYS1&spJobID=1180515773&spReportId=MTE4MDUxNTc3MwS2)

**How Pharmacists Can Protect Kids from Dangerous Medications**

<http://drugtopics.modernmedicine.com/drug-topics/news/pharmacists-play-key-role-protecting-children-prescription-meds?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=11012018>

**Flu infection study increases understanding of natural immunity**

<https://www.nih.gov/news-events/news-releases/flu-infection-study-increases-understanding-natural-immunity>

**Special Report: Congress signs OTC hearing aid bill**

<https://www.drugstorenews.com/special-report/retail-news/special-report-congress-signs-otc-hearing-aid-bill/>

**The Future of Pharm Techs**

<http://drugtopics.modernmedicine.com/drug-topics/news/q-william-schimmel?GUID=EC22DC7A-8C9E-4231-BAFB-C4E25C30003B&rememberme=1&ts=01022018>