

US Pharmaceutical Trends, Issues & Outlook for NACDS Regional Chain Conference

Pharmacy Industry Trends February 12, 2024

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### The challenges facing our industry today are numerous







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# Market Trends: Utilization Medical claims/activity



# The Health Services Utilization Index indicates the U.S. is operating at pre-COVID-19 levels with shifts in utilization

**Overview of Health Services Utilization Index** 



Source: IQVIA Institute; IQVIA Medical Claims Data; LAAD Prescription data, week ending 12/30/2022. The Use of Medicines in the U.S. 2023: Usage and Spending Trends and Outlook to 2027. Report by the IQVIA Institute for Human Data Science. ©2024 IQVIA and Affiliates. Do not reproduce without permission.





### Antibiotic Use and Rising Antimicrobial Resistance

- 2.4Bn antibiotic days of therapy in 2022 down 7% from pre-pandemic
- use in children and older adults up
  8% in Q4 2022 from historic seasonal levels
- ADHD medicine use grew 11% over the last 5 years to over 3Bn days of therapy in 2022
- Women aged 20–64 now account for 33% of prescriptions, up from 27% in 2018

Stimulant Use and Related Shortages

*Mental Health in Young People* 

- Mental health prescriptions reached
  567Mn in 2022 up 9% since 2019
- Mental health prescriptions in girls under 19 up 33% since pre-pandemic to 17Mn in 2022



Source: IQVIA Institute, Apr 2023

 Over 500k GLP-1 agonist new prescriptions across diabetes and obesity in February 2023, up 152% compared to prior year

> *Combatting the Opioid Overdose Epidemic*

*Rising Use of Novel Obesity Drugs* 

- Per capita prescription opioid use down 64% since the peak in 2011
- Opioid overdose deaths up 253% since 2011

- Contraception use down 6% in 2022 with 100Mn fewer days of therapy
- Lower use of long-acting birth control, such as IUDs and injectables

*Concerning Gaps in Women's Health* 



Source: IQVIA Institute, Apr 2023

# Specialty medicines now account for 51% of spending, stable in the past 3 years as COVID treatments have lifted traditional

Share of spending at estimated net manufacturer prices



Source: IQVIA Institute, Mar 2023.

The Use of Medicines in the U.S. 2023: Usage and Spending Trends and Outlook to 2027. Report by the IQVIA Institute for Human Data Science. ©2024 IQVIA and Affiliates. Do not reproduce without permission.



## Where are we now?



#### The Non-Retail channel is recovering from effects of COVID-19



#### Growth (%) of Sales

Source: IQVIA, National Sales Perspectives, December 2023 Note: Limited to Rx and OTC Insulins; Includes Retail, Non-Retail and Mail



### Clinics and Long-Term Care sales growth is strong while Hospitals and Home Health Care are weak



Growth (%) of Sales



#### **Home Health Care**



Source: IQVIA, National Sales Perspectives, December 2023 Note: Limited to Rx and OTC Insulins; Includes Retail, Non-Retail and Mail



# For the total market, specialty growth is weaker than traditional growth for MAT Dec 2023

In MAT December 2023, specialty spend grew by 12.5% while traditional growth grew 14.6%





Source: IQVIA, National Sales Perspectives, December 2023



#### **IQVIA** Definition of a Specialty Drug

Specialty drugs at IQVIA are classified as products that meet the following criteria



Treats chronic, rare and/or complex diseases



Expensive (USD \$6K annual cost of therapy)



Initiated and maintained by a specialist



Generally injectable and/or not self-administered



+

Requires extensive or in-depth monitoring/patient counseling

Unique distribution



Products that require an additional level of care in their chain of custody



Requires reimbursement assistance



## Immunology and Antithrombotics lead long-term growth

Vaccines lead short-term growth



### Antidiabetics and Mental Health lead long-term growth while Antidiabetics lead short-term growth

Traditional therapies command the Top 10 therapies by prescription

#### **Top-10 Therapies by Rxs**



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# Immunology and Oncologic contributed the most absolute value growth for specialty therapy areas

Absolute Value Growth for Top Specialty Therapy Areas



#### $\Delta$ Change from MAT DEC 2022 to MAT DEC 2023

 $\triangle$ Change from 2018 to MAT DEC 2023

Source: IQVIA, National Sales Perspectives, December 2023 Note: top therapy areas ranked on MAT December 2022 non-discounted spend \*For Client's internal use only ©2024 IQVIA and Affiliates. Do not reproduce without permission.



# Antidiabetics and Antithrombotics lead absolute value growth for traditional therapy areas

#### Absolute Value Growth for Top Traditional Therapy Areas

 $\Delta$ Change from MAT DEC 2022 to MAT DEC 2023

Absolute Value Growth (US\$ BNs) Absolute Value Growth (US\$ BNs) -\$5 \$0 \$5 \$10 \$15 \$20 \$25 \$30 \$35 \$40 -\$10 \$70 -\$30 \$10 \$30 \$50 \$27.4 \$69.4 \$3.3 \$17.4 \$2.1 \$0.0 \$6.9 \$10.5 -\$1.8 \$0.2 \$1.6 \$0.7 \$2.2 \$9.0 \$1.1 \$0.4 \$1.0 \$2.6 \$6.4 \$8.3 -\$5.7 -\$0.7 -\$0.8 -\$6.8 \$0.5 -\$16.7

 $\Delta$ Change from 2018 to MAT DEC 2023

Source: IQVIA, National Sales Perspectives, December 2023 Note: top therapy areas ranked on MAT December 2022 non-discounted spend

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Nervous System Disorders

Antidiabetics

Antithrombotics

Mental Health

Adhd

Pain

All Other

Migraine

Gi Products

**Respiratory Agents** 

Vaccines (Pure, Comb, Other)

Antihypertensives, Plain & Combo

Anti-Obesity Preps, Excl. Dietetics



# The top 10 traditional therapy areas are growing at 20.3% and account for 38.2% market share

		Non-Discounted Spend (US\$ BNs)								
Rank	Therapy Area	MAT DEC 2023	Market Share	Traditional Market Share	ABS Growth	Growth				
1	ANTIDIABETICS	\$130.1	18.0%	36.4%	\$27.4	26.7%				
2	ANTITHROMBOTICS	\$33.8	4.7%	9.4%	\$3.3	10.9%				
3	RESPIRATORY AGENTS	\$28.4	3.9%	7.9%	\$0.0	0.1%				
4	VACCINES (PURE, COMB, OTHER)	\$22.3	3.1%	6.2%	\$6.9	44.6%				
5	MENTAL HEALTH	\$12.6	1.7%	3.5%	-\$1.8	-12.5%				
6	ADHD	\$10.8	1.5%	3.0%	\$0.7	7.4%				
7	MIGRAINE	\$10.3	1.4%	2.9%	\$2.2	26.8%				
8	GI PRODUCTS	\$9.6	1.3%	2.7%	\$0.4	4.9%				
9	ANTIHYPERTENSIVES, PLAIN & COMBO	\$9.5	1.3%	2.7%	\$1.0	11.9%				
10	ANTI-OBESITY PREPS, EXCL. DIETETICS	\$9.2	1.3%	2.6%	\$6.4	230.3%				
<b>TOP 10</b>		\$276.6	38.2%	77.3%	\$46.6	20.3%				

Source: IQVIA, National Sales Perspectives, December 2023 Limited to Rx and OTC Insulins \*For Client's internal use only ©2024 IQVIA and Affiliates. Do not reproduce without permission.

# The top 20 therapy areas are growing at 15.5% and account for 85.2% market share

		Non-Discounted Spend (US\$ BNs)										
Rank	Therapy Area	MAT DEC 2023	Market Share	ABS Growth	Growth							
11	PAIN	\$10.7	1.5%	-\$0.5	-4.6%							
12	OTHER CNS	\$10.1	1.5%	\$1.5	16.1%							
13	MIGRAINE	\$9.8	1.4%	\$2.2	26.8%							
14	GI PRODUCTS	\$9.7	1.4%	\$0.5	5.2%							
15	ANTIHYPERTENSIVES, PLAIN & COMBO	\$9.6	1.4%	\$1.0	11.6%							
16	ANTI-OBESITY PREPS, EXCL. DIETETICS	\$8.9	1.3%	\$6.4	230.3%							
17	OTHER CARDIOVASCULARS	\$7.8	1.2%	\$0.5	5.6%							
18	NERVOUS SYSTEM DISORDERS	\$7.3	1.1%	-\$0.8	-9.5%							
19	DERMATOLOGICS	\$6.4	0.9%	\$0.1	0.9%							
20	BLOOD COAGULATION	\$6.3	0.9%	\$0.3	5.7%							
<b>TOP 20</b>		\$592.0	85.2%	\$82.5	15.5%							

Source: IQVIA, National Sales Perspectives, December 2023 Limited to Rx and OTC Insulins \*For Client's internal use only ©2024 IQVIA and Affiliates. Do not reproduce without permission.

# The top 10 products are growing at 30.1% and account for 25.4% market share

		Non-Discounted Spend (US\$ BNs)										
Rank	Product	MAT DEC 2023	Market Share	ABS Growth	Growth							
1	HUMIRA	\$34.2	4.7%	\$2.9	9.3%							
2	OZEMPIC	\$26.8	3.7%	\$11.8	78.7%							
3	ELIQUIS	\$22.1	3.1%	\$3.2	17.1%							
4	TRULICITY	\$16.3	2.3%	\$0.8	5.1%							
5	JARDIANCE	\$15.9	2.2%	\$4.0	34.0%							
6	STELARA	\$15.9	2.2%	\$1.9	14.0%							
7	KEYTRUDA	\$15.4	2.1%	\$2.5	19.1%							
8	BIKTARVY	\$13.2	1.8%	\$1.6	14.2%							
9	MOUNJARO	\$13.0	1.8%	\$10.3	368.8%							
10	DUPIXENT	\$11.5	1.6%	\$3.6	44.9%							
<b>TOP 10</b>		\$184.2	25.4%	\$42.6	30.1%							



# The top 20 products are growing at 30.4% and account for 35.3% market share

		Non-Discounted Spend (US\$ BNs)									
Rank	Product	MAT DEC 2023	Market Share	ABS Growth	Growth						
11	SKYRIZI	\$10.1	1.4%	\$5.2	106.3%						
12	ENBREL	\$9.5	1.3%	\$0.6	6.9%						
13	XARELTO	\$8.3	1.1%	\$0.2	1.9%						
14	FARXIGA	\$7.9	1.1%	\$2.3	41.8%						
15	WEGOVY	\$7.8	1.1%	\$6.2	409.6%						
16	JANUVIA	\$5.7	0.8%	-\$0.6	-9.4%						
17	TRELEGY ELLIPTA	\$5.7	0.8%	\$1.3	28.8%						
18	OPDIVO	\$5.4	0.8%	\$0.5	9.8%						
19	TALTZ	\$5.3	0.7%	\$0.7	16.2%						
20	OCREVUS	\$5.3	0.7%	\$0.5	11.0%						
<b>TOP 20</b>		\$255.2	35.3%	\$59.6	30.4%						

Source: IQVIA, National Sales Perspectives, December 2023 Limited to Rx and OTC Insulins \*For Client's internal use only ©2024 IQVIA and Affiliates. Do not reproduce without permission.



## Based on sales dollars, Specialty is increasing in Non-Retail



Data is based on Rx and OTC Insulins only

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# Humira is the top product in Mail, while it is Ozempic in Retail and Keytruda in Non-Retail

Top 5 Products by Channel based on Sales





### Four of the top six products are prevalent in Retail



Top 10 Products Based on Sales – Percentage sold in Channel



# It may be time to redefine what a blockbuster drug is as there are now 136 of them

#### Products with sales greater than \$1 Bn US in 2023

Rank	Product	Sales (Bn)	Rank	Product	Sales (Bn)	Rank	Product	Sales (Bn)	Rank	Product	Sales (Bn)	Rank	Product	Sales (Bn)	Rank	Product	Sales (Bn)
1	HUMIRA	34.2	26	LANTUS SOLOSTAR	4.2	51	HEMLIBRA	2.4	76	XELJANZ XR	1.8	101	CREON 36	1.4	126	MAVYRET	1.1
2	OZEMPIC	26.8	27	COSENTYX 2 PEN	4.1	52	SHINGRIX	2.3	77	SPIKEVAX	1.7	102	TYSABRI	1.3	127	PRIVIGEN	1.1
3	ELIQUIS	22.1	28	ENTYVIO	4.1	53	PREVNAR 20	2.3	78	AREXVY	1.7	103	EPCLUSA	1.3	128	KRYSTEXXA	1.1
4	TRULICITY	16.3	29	RYBELSUS	4.1	54	GENVOYA	2.3	79	TRIUMEQ	1.7	104	EPINEPHRINE	1.3	129	SUBOXONE	1.1
5	JARDIANCE	15.9	30	OTEZLA	3.9	55	VABYSMO	2.2	80	ACTEMRA	1.7	105	TRINTELLIX	1.3	130	BREZTRI AEROSPHERE	1.1
6	STELARA	15.9	31	VRAYLAR	3.6	56	IMFINZI	2.2	81	VICTOZA 3-PAK	1.6	106	ERLEADA	1.3	131	LYNPARZA	1.1
7	KEYTRUDA	15.4	32	IBRANCE	3.6	57	CIMZIA	2.2	82	REMICADE	1.6	107	FLUZONE HD QUADRI	1.3	132	OMNIPOD 5	1.1
8	BIKTARVY	13.2	33	SYMBICORT	3.6	58	TECENTRIQ	2.2	83	XGEVA	1.6	108	FLOVENT HFA	1.3	133	BRIDION	1.1
9	MOUNJARO	13.0	34	DESCOVY	3.5	59	TAGRISSO	2.1	84	ENHERTU	1.6	109	BRILINTA	1.3	134	XIIDRA	1.1
10	DUPIXENT	11.5	35	ORENCIA	3.2	60	REVLIMID	2.1	85	DOVATO	1.6	110	ODEFSEY	1.3	135	GONAL-F RFF	1.0
11	SKYRIZI	10.1	36	TRESIBA	3.1	61	COMIRNATY	2.1	86	PERJETA	1.6	111	GARDASIL 9	1.3	136	ANORO ELLIPTA	1.0
12	ENBREL	9.5	37	XOLAIR	3.0	62	ADVAIR DISKUS	2.1	87	BENLYSTA	1.5	112	AIMOVIG	1.2			1.0
13	XARELTO	8.3	38	NURTEC	3.0	63	UBRELVY	2.0	88	LEVEMIR FLEXPEN	1.5	113	SYNTHROID	1.2			
14	FARXIGA	7.9	39	PROLIA	3.0	64	XTANDI	2.0	89	BASAGLAR KWIKPEN	1.5	114	VYNDAMAX	1.2			
15	WEGOVY	7.8	40	IMBRUVICA	2.9	65	HUMALOG	1.9	90	NUCALA	1.5	115	ALBUTEROL HFA	1.2			
16	JANUVIA	5.7	41	LINZESS	2.9	66	CALQUENCE	1.9	91	EMGALITY	1.5	116	PROMACTA	1.2			
17	TRELEGY ELLIPTA	5.7	42	VERZENIO	2.9	67	BREO ELLIPTA	1.9	92	NEULASTA	1.5	117	AUSTEDO	1.2			
18	OPDIVO	5.4	43	INVEGA SUSTENNA	2.8	68	RESTASIS	1.9	93	POMALYST	1.4	118	JANUMET	1.2			
19	TALTZ	5.3	44	NOVOLOG FLEXPEN	2.8	69	GAMMAGARD LIQUID	1.9	94	YERVOY	1.4	119		1.2			
20	OCREVUS	5.3	45	MYRBETRIQ	2.6	70	NOVOLOG	1.9	95	TRADJENTA	1.4	120	FASENRA	1.2			
21	ENTRESTO	5.0	46	TRIKAFTA	2.6	71	REXULTI	1.5	96	CABOMETYX	1.4	121	GAMUNEX-C	1.2			
22	DARZALEX FASPRO	5.0	47	OFEV	2.5	72	KESIMPTA	1.8	97	LENALIDOMIDE	1.4	122	QULIPTA	1.2			
23	TREMFYA	5.0	48	HUMALOG KWIKPEN	2.5	73	REPATHA SURECLICK	1.8	98	SPIRIVA RESPIMAT	1.4	123	VENCLEXTA	1.2			
24	VYVANSE	4.7	49	XIFAXAN	2.4	74	INGREZZA	1.8	99	SYMTUZA	1.4	124	ABILIFY MAINTENA	1.1			
25	RINVOQ	4.4	50	DEXCOM G6	2.4	75	SPRYCEL	1.8	100	TIVICAY	1.4	125	RITUXAN	1.1			



# Oncology, neurology and obesity drive growth through 2027 while diabetes, immunology and COVID-19 contribute to slowing

Historic and forecast net spending growth for leading therapy areas



Source: IQVIA Institute, Mar 2023.

The Use of Medicines in the U.S. 2023: Usage and Spending Trends and Outlook to 2027. Report by the IQVIA Institute for Human Data Science.

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# Generics



#### 87.9% of prescriptions in the US are dispensed as generics (Adjusted)

Unbranded Generics account for 7.5% of spending

Adjusted Prescriptions (%)





Dollars (%)

Source: IQVIA, National Sales Perspectives, National Prescription Audit, December 2023 Note: Numbers may not add exactly to 100% due to rounding



#### **Unbranded Generics sales and Rxs are positive**



Source: IQVIA, National Sales Perspectives and RxInsights, 2023 Note: Limited to Rx and OTC Insulins; Includes Retail, Non-Retail and Mail



## Generic price deflation is slowing

Y/Y Mature Oral Generic Price Trend



Source: Nephron Research, IQVIA, Glass Box Analytics



## In the US, the price of generics has fallen by ~20% since 2019

• Shortages were behind fluctuating prices for losartan and hydrochlorothiazide





# In 2018, it took seven Brand drugs to equal the total Generic business; in 2023 it only takes two





# Unlaunched ANDAs account for 39% of approvals since 2013, 42% of injectables and 33% of other forms

A rise in trend of the percentage of approved injectable ANDAs launched since 2020



#### % of ANDAs launched to date by Type

■ Injectables ■ Other Forms ■ Total



### **Biosimilar sales are just beginning for Adalimumab (Humira)**



# **Drug Shortages in the U.S.**





## The IQVIA Institute released "Drug Shortages in the U.S. 2023"

### Drug Shortages in the U.S. 2023

A CLOSER LOOK AT VOLUME AND PRICE DYNAMICS



#### **Report Summary**

Drug shortages have recently received widespread news coverage for their impact on patient care and public health. The number of drug shortages in the U.S. is increasing as more shortages continue to be reported than resolved. Stakeholders have recommended various approaches to mitigate shortages, such as prioritizing essential medicines, stockpiling, and making changes to reimbursement or statutory rebates. Shortages appear to be driven by a variety of causes that need to be better understood, as they may impact which solutions will best address them.

In this report, shortages reported by the Food and Drug Administration are assessed in conjunction with sales and volume data of these medicines in the U.S. market. Characteristics of shortages, including product type, form, and the number of manufacturers are evaluated.

Market concentration is assessed for molecules with shortages based on current sales data. The causes and impacts of shortages across a range of therapy areas are analyzed and presented here.




### Not all drug shortages are created equal

Drug shortages are large and increasing; fewer are being resolved Some of the impact of injectable shortages is driven by demand, where some purchasers have increased orders to buffer the expected disruptions.

Not all purchasers are able to pursue these approaches and shortages have impacted some differently than others. There are **more shortages in generics** and **injectables; Orals** and **brand** shortages are due to demand. Key drugs in shortage include cancer medications **cisplatin** and **carboplatin**; a form of the antibiotic **amoxicillin**; **Ozempic**, **Mounjaro** and **Trulicity**; as well as **Adderall**.

**Supply issues** within the **sterile injectables** include the impacts of dynamic market shifts between manufacturers from **production disruption** (e.g., due to inspection, shortage of active ingredient, natural disasters) which have impacted oncology and antibacterials.

Sources: Michael Kleinrock, IQVIA Institute, Drug shortages shine spotlight on FDA powers | The Hill



## FDA's inspections of pharmaceutical manufacturing facilities have yet to return to pre-COVID levels



· Important Notes:

- Not all inspections are included in the database. Inspections conducted by States, pre-approval inspections, mammography facility inspections, inspections waiting for a final enforcement action, and inspections of nonclinical labs are not included.
- The results show final classifications of No Action Indicated (NAI), Voluntary Action Indicated (VAI), Official Action Indicated (OAI) for each <u>project area</u> within an inspection.

The U.S. Government's Fiscal Year runs October 1 through September 30 Data Source: <u>https://datadashboard.fda.gov/ora/cd/inspections.htm</u>, data pulled 1/29/2024



## Inspections of pharmaceutical manufacturing facilities have increased in India and other foreign countries the last two years



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## The number of drugs listed in the FDA Drug Shortages data set continues to remain high



Note: The U.S. Government Fiscal Year runs from Oct 1 through Sep 30 (This slide depicts only three months of the fiscal year for 2024) Data Source: <u>https://www.accessdata.fda.gov/scripts/drugshortages/default.cfm</u>, data pulled 1/29/2024 ©2023 IQVIA and Affiliates. Do not reproduce without permission.

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## Psychiatry drugs have the greatest number of shortages according to the FDA

Drug Shortages by Therapy Area Fiscal Year 2023



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# More shortages continue to be reported than resolved with 58% of current shortages ongoing for more than two years

Net shortage increase by year and time since first posting of current shortages





Current shortages as of Jun 2023 by time since first posting

\*2023 is through June

Source: FDA Drug Shortages Database, IQVIA National Sales Perspective, Jun 2023; IQVIA Institute, Oct 2023.



## 84% of the drugs in shortage in the last six years are generics, 67% injectables, and 24% orals

FDA shortages by product type and form, 2017–Jun 2023

#### Product type







- Injectables
- Orals
- Dermatologicals

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Others



# Multi-source generic molecules are more likely to be in shortage than single-source molecules

Generic molecules by shortage status and number of manufacturers, Jan–Jun 2023





# Most molecules with shortages are multi-source but remain highly concentrated, impacting resilience to shortages

Shortage molecule Herfindahl-Hirschman Index (HHI) and number of companies, Jan–Jun 2023



Source: FDA Drug Shortages Database, Jun 2023; IQVIA National Sales Perspective, Jul 2023; IQVIA Institute, Jul 2023.

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# Shortages are more common at lower prices with 56% of molecules in shortage priced less than \$1.00 per unit

Average invoice price per extended unit of molecules, Jan–Jun 2023, n=2,026



Source: FDA Drug Shortages Database, Jun 2023; IQVIA National Sales Perspective, Jul 2023; IQVIA Institute, Jul 2023.



# Planned pack discontinuations rarely lead to shortages, but market exit can disrupt other participants and affect resilience

Planned discontinuations by first posting date and volume share prior to posting



<sup>\*2023</sup> is through June

Source: FDA Drug Shortages Database, IQVIA National Sales Perspective, Jun 2023; IQVIA Institute, Oct 2023.

### **New Product Launch Update**



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### **Executive Summary**

There were 80 launches in 2023, compared to 58 launches in 2022 and 76 launches in 2021 Immunology is the top therapy area in 2023, accounting for 31% of new product launches





## 2023 closed with 80 total launches, surpassing 2022 and 2021. This is largely attributed to a Q3 influx of Humira biosimilars and RSV vaccines

Time-aligned cumulative launches 2021–2023



Launches by therapy area 2021–2023



Source: National Sales Perspective; Center of Launch Excellence, IQVIA; publicly available information from the FDA Notes: CNS = Central nervous system

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### 2023 sales have been dominated by the GSK and Pfizer RSV vaccines

Lilly's Zepbouund (tirzepatide) for obesity has established a presence amongst the top performers within one month



Source: National Sales Perspective; Center of Launch Excellence, IQVIA

Notes: All sales values are USD. LRTD = Lower Respiratory Tract Disease; RA = rheumatoid arthritis; PsA = psoriatic arthritis; PsO = plaque psoriasis; CD = Crohn's disease; UC = ulcerative colitis Due to its emergency use authorization, Novavax COVID-19 vaccine was not included in the top 10 performers, although it had sales of \$49M through December 2023 ©2024 IQVIA and Affiliates. Do not reproduce without permission.

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### Retail Class of Trade and Method of Payment Performance



## There are over 2,200 fewer retail pharmacies today than four years ago



Data Source: The store count data is reflective of the stores in the IQVIA Rx Universe as of December 2023.



### Despite store closings, average Rxs per store continue to rise

Avg. Unadj. Rxs per Store per Month 7,000 +6.1% 6,040 6,000 5,727 5,740 5,692 (+348) 5,269 5,000 4,000 3,000 2,000 1,000 0 Jan-20 Jan-21 Jan-22 Jan-23 Dec-23

Avg. Adj. Rxs per Store per Month +14.6% 10,000 9,121 8,664 8,399 (+1,160 7,961 7,789 8,000 6,000 4,000 2,000 0 Jan-20 Jan-21 Jan-22 Jan-23 Dec-23

Data Source: The store count data is reflective of the stores in the IQVIA Rx Universe as of December 2023.



## On a monthly basis, Chain stores see the most volume, but all stores have seen large increases since January 2020



Data Source: The store count data is reflective of the stores in the IQVIA Rx Universe as of December 2023.



## Unadjusted Rx growth for 2023 is positive, and Adjusted Rx growth is higher for same periods



#### **Growth (%) of Total Market Dispensed Rx**

Source: IQVIA, National Prescription Audit & RxInsight, December 2023; Retail, Mail, and LTC limited to Rx and OTC Insulins \*Note: Declines between 2018 and 2019 are due to VRAF enhancement from 2020 onwards



### 90-Day percentage of Maintenance increases over time





### In Retail, Chain and Mass experienced the largest volume gains







### In Retail, Med D has the largest growth and market share gains







### In Chain, Med D drives Chain growth

Data is based on calendar quarters, Q3 of each year



Note: Method of Payment is defined based on IQVIA's business rules



### **Med D drives Independent growth**

Data is based on calendar quarters, Q3 of each year





**Note:** Method of Payment is defined based on IQVIA's business rules

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### In Food, Med D is the largest driver of growth

Data is based on calendar quarters, Q3 of each year





Note: Method of Payment is defined based on IQVIA's business rules

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MASS

### In Mass, Med D is driving growth

Data is based on calendar quarters, Q3 of each year





**Note:** Method of Payment is defined based on IQVIA's business rules

## Chain over-indexes with 3<sup>rd</sup> Party, Independents with Cash, Food and Mass with Discount Cards





63

### **Discount Cards have the highest percentage of generics**





## Since the FDA approved nonprescription Narcan last March\*, there has been a 16% decrease in prescription Narcan at Retail



\* https://www.fda.gov/news-events/press-announcements/fda-approves-first-over-counter-naloxone-nasal-spray



### Cough, Cold and Flu Season and Vaccines



### FAN Total Affected Population 2017/18 through 2023/24

- The current AP levels are trending above prior season by +4.2%.
- Expect to see illness rebound as we go into to Q1, however the question is when!





### Compared to last season, more of the country is currently in Alert status







### All FAN<sup>©</sup> symptoms are currently running in line with last season



Updated through February 3, 2024



## Adult and pediatric symptoms are currently running in line with the 2022-2023 season

PEDIATRIC

#### ADULT



Updated through February 3, 2024



## Currently, this Cough, Cold and Flu Season's Rxs are running above last season




### **COVID-19 and Flu Vaccines are lower this season than prior** seasons; RSV Vaccines are new this season





## COVID and Flu vaccines at Retail are down on a year over year basis



• Season to Date is defined as July 28, 2023, through January 26, 2024

• Data represents vaccinations done at retail and processed through the pharmacy's dispensing system



# Season to date 60.8% of flu vaccinations are administered in a pharmacy setting

Pharmacy has moved from 49% to almost 61% of flu vaccines administered



Flu Vaccines Administered by Site

Pharmacy Physician Medical Office

Source: https://www.cdc.gov/flu/fluvaxview/dashboard/vaccination-administered.html



## Flu vaccines follow similar trends in physician offices as they do in retail





## Varicella vaccinations at Retail are recovering but have yet to return to pre-COVID levels while others have recovered better











# Self-reported prevalence of obesity has increased significantly in a decade

Prevalence of Self-Reported Obesity Among U.S. Adults by State and Territory

from the Behavioral Risk Surveillance system (BRFSS)





<sup>¶</sup> Prevalence estimates reflect BRFSS methodological changes started in 2011. These estimates should not be compared to prevalence estimates before 2011. \*Sample size <50, the relative standard error (dividing the standard error by the prevalence)  $\geq$ 30%, or no data in a specific year.



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#### Source link: Overweight & Obesity | CDC

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## Recent adoption of GLP-1s has skewed to females and slowed primarily due to shortages

GLP-1 for Obesity or Diabetes TRx Volume by Gender



Source: IQVIA National Prescription Audit, Oct 2023

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## As a percent of non-insulin diabetes products, GLP-1 products are continuing to grow



Data shown is the percent of GLP-1 diabetes products as a percent of total non-insulin diabetes products



## Independents and Mass saw higher share with GLP-1s than All Other Products combined







#### **Retail Only**

## Ozempic and Mounjaro\* drove most of the volume growth among GLP-1s



- The Retail sector grew 61.2%, over 24.3M adjusted prescriptions year over year
- All Others combined saw decline

Product	MATTY Adj. Rx's
OZEMPIC	14,491,052
TRULICITY	14,821,516
MOUNJARO	2,413,369
WEGOVY	920,648
RYBELSUS	2,794,394
All Others	4,297,386

#### **Retail Only**

## Cash, Managed Medicaid, and Med D saw a decline in share year over year





## GLP-1s have grown ~58% over the last 12 months and ~84% of the sales are in Retail

Moving Annual Total GLP-1 Sales Dollars (Billions)



Note: In 2018 there was no Rybelsus, Wegovy or Mounjaro

Updated with December 2023 Data





## **Overall, GLP-1 patients are least loyal**

Chain has highest loyalty across the patient segments



COT Loyalty for GLP-1 Patients vs. Non-GLP-1 Patients

IQVIA Patient Data, Maintenance Rxs Only, MAT Ending Oct 2023



## GLP-1 Diabetes Rxs per patient are highest across all classes of trade followed closely by Other Diabetes



IQVIA Patient Data, Maintenance Rxs Only, MAT Ending Oct 2023



## Next-generation obesity therapies are pushing the efficacy frontier

However, significant first-mover advantage for Novo, Lilly – parallels to PD-(L)-1 market?

Weight loss achieved by select anti-obesity therapeutics across phase 1-3 trials





### There are two main strategies playing out in obesity

Portfolio play has advantages for late-comers, offering more angles for differentiation



**Examples**: Pfizer, (Versanis, now part of Lilly), most EBPs

Examples: AZ, BI, Roche; incumbents Novo, Lilly



## Two co-existing obesity markets, with distinct drivers

### Risk of reinforcing health inequity?



Medical-led, reimbursed

- Focus on most severe obese patients, with other co-morbidities, at high risk
- **Payer controls**, eg tiered access, limited duration, setting of care, pre-authorisation
- Health systems looking for **cost-offsets**, in addition to **clinical outcomes**

alongside...



### Consumer-led, out-of-pocket

- Motivated consumers pursuing weight loss as lifestyle goal
- Willingness to pay a key market driver; may lead to consumer price > medical
- Consumers' **primary focus: weight loss** achieved in R-W; CV-risk secondary



# Increasing scrutiny of safety, as GLP-1 based therapies are being used in larger patient populations

More long-term safety data needed from use in routine medical practice



## Safety risks being investigated by regulators

• Suicidal behaviour and ideation\*

- Suicidal behaviour and ideation\*
- Alopecia
- Aspiration

#### Other reported adverse events (AEs) (not exhaustive)

- Gastrointestinal, incl. nausea, diarrhoea, vomiting, constipation, abdominal pain, flatulence, ileus
- Headache
- Fatigue
- Dizziness
- Increased heart rate
- Depression

•

\* A recent US study found no link between Wegovy, Ozempic and increase in suicidal thoughts ©2024 IQVIA and Affiliates. Do not reproduce without permission.



### The need to keep treating...

Benefits reverse after treatment with Wegovy, Zepbound was discontinued



(weight change over time after discontinuation)

### Lilly: SURMOUNT-4 (Zepbound) ph3 trial

(weight change over time with/without discontinuation)



Cardiometabolic improvements seen at week 68 reverted towards baseline at week 120 for most variables

Much of the initial improvement in cardiometabolic risk factors had been reversed 52 weeks after discontinuation





## Digital health players are taking note, seeking partnerships

DIRECT-TO-

**CONSUMER** 



Bloomberg March 2023

### WeightWatchers Doesn't Want to Get Netflixed by Ozempic

The WW deal for telehealth provider Sequence underscores the seismic shift in obesity management.

sequence

## NOOM

DIRECT-TO-CONSUMER

Bloomberg May 2023

#### A Weight Loss Startup Touting Mindfulness, Noom Is Now Prescribing Drugs

- Startup pitches combination of medication and lifestyle change
- WeightWatchers and others rivals also offer drugs like Wegovy

### P ilant

HEALTH PLAN-FOCUS (B2B)

### We've Lived with Obesity. Now, We're Providing the Care We Wish We Had.

Ilant offers a comprehensive solution that takes the stress and stigma out of obesity treatment. We improve outcomes while reducing costs for employers and health plans through value-based care.

## 10

## Get prescription weight loss medication online

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## Number of comorbidities increases with the severity of obesity

### Obesity patients across all cohorts have on average 2.5 comorbidities



Obesity Patient Distribution by # of Comorbidities of Interest and Obesity Class

2012 Providing Safe America Sciences Strate Sciences Strate Sciences Strate Sciences Nephritis/Nephrosis/Renal Sclerosis Source: IQVIA LAAD: US Market Access Strategy Consulting analysis



## Outlook



# US invoice-level growth has accelerated, driven by established brand volume not solely limited to GLP-1s

US Absolute Growth by Segment, US\$Bn (Invoice)



Source: IQVIA National Sales Perspectives, Sep 2023









# The impact of exclusivity losses will reach \$192Bn over the next 5 years, with around 30% due to the availability of biosimilars

10 developed countries impact of brand losses of exclusivity 2019–2028, US\$Bn



Source: IQVIA Market Prognosis, Sep 2023; IQVIA Institute, Nov 2023.

Global Use of Medicines 2024: Outlook to 2028. Report by the IQVIA Institute for Human Data Science.



### Leading LOEs primarily in Oncology, Immunology, Neurology; Some are also affected by MFP negotiation, complicating outlook

Most impactful Brand LOEs by year of impact

2023	2024	2025	2026	2027	2028
Humira (1/23)	Humira (1/23)	Xarelto (2/25)	Farxiga (10/25)	Januvia (5/26)	Eliquis (4/28)
Latuda (2/23)	Vyvanse (8/23)	Stelara (1/25)	Stelara (1/25)	Ibrance (3/27)	Trulicity (12/27)
Vyvanse (8/23)	Myrbetriq (11/23)	Humira (1/23)	Januvia (5/26)	Sprycel (9/26)	Otezla (3/28)
Gilenya (9/22)	Spiriva (12/23)	Farxiga (10/25)	Xarelto (2/25)	Entyvio (1/26)	Ibrance (3/27)
Revlimid (3/22)	Aubagio (3/23)	Cabometyx (9/24)	Xeljanz (12/25)	Stelara (1/25)	Xtandi (8/27)

Source: IQVIA Market Prognosis, Sep 2023; IQVIA Institute, Nov 2023. Preliminary Analysis not yet published



# Spending on obesity drugs has accelerated in the past two years from novel GLP-1 agonists with upside if more widely reimbursed

Obesity spending at estimated manufacturer net prices, US\$Bn



Source: IQVIA Institute, Mar 2023.

The Use of Medicines in the U.S. 2023: Usage and Spending Trends and Outlook to 2027. Report by the IQVIA Institute for Human Data Science. ©2024 IQVIA and Affiliates. Do not reproduce without permission.



## The role of the pharmacist continues to expand

### **Pharmacy Services Overview**

Information provided by NACDS, January 5, 2024

### **Tobacco Cessation Services**

states authorize Pharmacists to initiate tobacco
 cessation therapies, including nicotine-replacement
 products and/or FDA- approved cessation aids

### **Test & Initiation of Treatment Services**

 states allow Pharmacists to provide appropriate treatment to patients based on results of pointof-care tests for common conditions including flu and strep throat via statewide protocols and collaborative practice agreements

#### **Naloxone Services**

**50** 

states allow Pharmacists to furnish and dispense naloxone within all, via varying forms of authority



### **Hormonal Contraception Services**



#### **HIV Prevention Services**

states authorize Pharmacists to initiate HIV prevention therapies (pre-exposure and/or post-exposure prophylaxis

#### **Tuberculosis (TB) Testing**

states allow Pharmacists to conduct TB
 testing without a collaborative practice
 agreement

#### **Pharmacy Immunization Authority**

#### Pharmacists in all

states can provide vaccines, to some degree, pursuant to state-

specific laws and regulations

To date,

states recognize or have recently updated laws to fully

align with the scope of authority of the Public Readiness

and Emergency Preparedness Act (PREP Act)



## Wrapping it up

1	The number of Retail pharmacies continues to decline	2	Med D prescriptions are driving growth in retail	3	Cough, Cold and Flu Season has been mild, and the RSV Vaccines are new and were not big this season	4	Specialty is now 51% of the total market sales but GLP1s (non specialty) growth is spectacular
5	Unbranded generics are growing on prescriptions but now have modest growth on Dollars	6	Elective procedures are still weak and screenings even weaker	7	The Pharmaceutical benefit Biosimilar wave is upon us with Humira now facing many competitors	8	There are plenty of LOE opportunities going forward both in Small molecules and Biologics
9	There are many Biologics that will not have any biosimilar competition	10	Drug shortages continue to be a real issue and could get worse	11	Non-retail and particularly hospitals and LTC bore the brunt of COVID	12	Opioid usage is back to 2000 levels



### **Market insights**

- The IQVIA U.S. Launch Quarterly
- The IQVIA Monthly Launch Tracker
- Pharmaceutical Market and MedTech Trends
- Next Generation Payor Segmentation

### **Person-centric health**

- Impact of Medicare Part D Cost Sharing
- Health Equity in the Time of COVID-19
- Advancing Outcomes with Home Healthcare

A curation of **IQVIA's best thinking** on **topics** and **trends** driving change, disruption, and **progress** in the United States healthcare market.



### **Engagement innovation**

- HCP Consent at Scale
- Hidden Peer-to-Peer Learning Communities
- Importance of End-to-End Data in Physician
  Marketing



## Presentations like this could not be completed without the help of many teams across the IQVIA organization





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## **Disclaimer slide**





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## Appendix



## **IQVIA** Definition of a Specialty Drug

Specialty drugs at IQVIA are classified as products that meet the following criteria



Treats chronic, rare and/or complex diseases



Expensive (USD \$6K annual cost of therapy)



Initiated and maintained by a specialist



Generally injectable and/or not self-administered



+

Requires extensive or in-depth monitoring/patient counseling

Unique distribution



Products that require an additional level of care in their chain of custody



Requires reimbursement assistance




- + Adlyxin
- + Bydureon
- + Bydureon BCISE
- + Bydureon Pen
- + Byetta
- + Mounjaro
- + Ozempic
- + Rybelsus
- + Saxenda
- + Trulicity
- + Victoza 2-Pak
- + Victoza 3-Pak
- + Wegovy
- + Zepbound



### Not all approved ANDAs are launched in the same timeframe, ~30% ANDAs are launched in same period



**Total ANDA Approvals and Launches** 

ANDAs launched in same Year

ANDAs launched in subsequent Year Total Approved ANDAs

			Same			Su	Ibseque	ent year	Launch	nes					% launched
	Approval Year	Total Approvals	Voar	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (Jan- Sep)	Total launches	
	2023	594	120											120	20%
	2022	642	211										124	335	52%
	2021	635	197									128	32	357	56%
	2020	739	255								146	43	8	452	61%
	2019	787	325							161	36	15	13	551	70%
	2018	689	266						180	27	11	7	2	493	72%
	2017	792	232					207	53	17	14	10	4	537	68%
	2016	569	175				127	62	21	6	3	2	3	399	70%
	2015	511	160			107	39	26	9	4	1	1	0	347	68%
	2014	373	120		61	28	21	13	9	0	2	2	0	256	69%
	2013	363	134	64	27	14	16	5	7	1	0	0	0	268	74%
	Total	6,694	2,195	64	88	149	203	313	279	216	213	208	187	4,115	61%

## Not all approved ANDAs are launched in the same timeframe, ~30% ANDAs are launched in same period

**INJECTABLES** 



ANDAs launched in same YearANDAs launched in subsequent Year

		Same			Su	bseque	nt year	Launch	ies						
Approval Year	Total Approvals	1 1	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (Jan- Sep)	Total launches	% launched	
2023 (Jan- Sep)	103	22										<b>.</b>	22	21%	
2022	127	44										25	69	54%	
2021	113	37									25	6	68	60%	
2020	137	34								41	11	1	87	64%	
2019	130	45							31	8	0	3	87	67%	
2018	148	49						33	12	1	3	0	98	66%	
2017	173	46					52	8	2	6	1	0	115	66%	
2016	91	23				19	7	4	1	1	0	1	56	62%	
2015	96	20			9	4	5	2	2	0	0	0	42	44%	
2014	92	25		8	3	2	2	2	0	0	1	0	43	47%	
2013	78	28	16	3	0	5	1	1	0	0	0	0	54	69%	
Total	1,288	373	16	11	12	30	67	50	48	57	41	36	741	58%	

#### Updated

## Not all approved ANDAs are launched in the same timeframe, only 32% ANDAs are launched in same period

ORALS



ANDAs launched in same YearANDAs launched in subsequent Year

**Total Approved ANDAs** 

		Same			Su	bseque	nt year	Launch	ies	->				0/
Appro Yea			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (Jan- Sep)	Total launches	% launched
2023 (Jan Sep	- 367	66											66	18%
2022	357	102										71	173	48%
2021	394	120									80	22	222	56%
2020	484	167								86	28	7	288	60%
2019	503	212							99	22	12	11	356	71%
2018	405	170						107	11	8	2	2	300	74%
2017	474	137					128	34	12	7	7	4	329	69%
2016	390	115				95	45	15	3	2	2	2	279	72%
2018	347	122			87	27	17	4	2	1	1		261	75%
2014	242	81		53	24	16	8	7		1	1		191	79%
2013	257	91	44	23	14	11	4	6	1				194	75%
Tota	4,220	1,383	44	76	125	149	202	173	128	127	133	119	2,659	63%

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#### On a Units basis, Antibacterials leads short-term growth and Antidiabetics leads long-term growth

#### 20% Short-term growth (% YoY,2022-2023) 15% ANTIBACTERIALS 10% 5% **ANTIDIABETICS** ANTIHYPERTENSIVES. PLAIN & COMBO 0% **GI PRODUCTS** MENTAL HEALTH DERMATOLOGICS -5% PAIN **RESPIRATORY AGENTS BLOOD COAGULATION** -10% COUGH COLD, INCL FLU ANTIVIRALS -15% -6% -4% -2% 0% 2% 4% Historic growth (% 5-year CAGR, 2018-2023) SPECIALTY 2023 MAT Units TRADITIONAL

#### **Top-10 Therapies by Units**



**IOVIA** 

#### Immunology and Humira top Specialty Mail sales

Top 10 Specialty Mail Therapies and Products - MAT December 2023 (Sales \$ Billions)

	Therap	ies			
Rank	Therapy	MAT Dec 2023	YoY Growth		
1	IMMUNOLOGY	172.8	14.2%		
2	ONCOLOGICS	97.8	20.2%		
3	MULTIPLE SCLEROSIS	27.9	13.5%		
4	HIV ANTIVIRALS	8.2	-17.3%		
5	ALL OTHER RESPIRATORY	6.0	9.3%		
6	RESPIRATORY AGENTS	4.4	-2.7%		
7	OTHER CARDIOVASCULARS	3.5	21.0%		
8	BLOOD COAGULATION	3.1	26.2%		
9	GROWTH HORMONES	2.6	8.7%		
10	OTHER CNS	2.4	-1.4%		

	Products												
Rank	Product	MAT Dec 2023	YoY Growth										
1	HUMIRA	28.4	9.5%										
2	STELARA	12.8	15.5%										
3	DUPIXENT	9.6	43.2%										
4	SKYRIZI	8.4	104.7%										
5	ENBREL	7.8	7.6%										
6	TALTZ	4.8	14.5%										
7	TREMFYA	4.4	17.8%										
8	RINVOQ	3.6	136.9%										
9	COSENTYX 2 PEN	3.6	2.3%										
10	OTEZLA	3.2	5.5%										

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### Skyrizi is the fastest growing sales product in Specialty Mail

Top 10 Specialty Mail Therapies and Products - MAT December 2023 (Sales \$ Billions)

	Therap	ies	
Rank	Therapy	MAT Nov 2023	Absolute YoY Growth
1	IMMUNOLOGY	97.8	16.5
2	ONCOLOGICS	27.9	3.3
3	OTHER CARDIOVASCULARS	3.1	0.6
4	OTHER CNS	2.0	0.6
5	RESPIRATORY AGENTS	3.5	0.6
6	HIV ANTIVIRALS	6.0	0.5
7	DERMATOLOGICS	0.5	0.4
8	IMMUNOSUPPRESSANTS	0.8	0.2
9	SEX HORMONES	1.7	0.2
10	BLOOD COAGULATION	2.6	0.2

	Prod	lucts	
Rank	Product	MAT Dec 2023	Absolute YoY Growth
1	SKYRIZI	8.4	4.3
2	DUPIXENT	9.6	2.9
3	HUMIRA	28.4	2.5
4	RINVOQ	3.6	2.1
5	STELARA	12.8	1.7
6	LENALIDOMIDE	1.4	1.0
7	VERZENIO	2.1	0.8
8	TREMFYA	4.4	0.7
9	KESIMPTA	1.5	0.6
10	TALTZ	4.8	0.6



### In Oncology biosimilars market share ranges from 57% - 77%





### In Oncology biosimilars market share ranges from 54% - 83%





#### Filgrastim's biosimilar has 76% market share



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#### Filgrastim's biosimilar has 68% market share

2023

3

202;

0%

2020

5

2020 2020

**FULPHILA** 

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2022 2022 2023 2023 2023

> 01 02 03 04

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Q2 Q4 Q4

■ NIVESTYM ■ RELEUKO

2022

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Q3 Q4

NEUPOGEN

US Biosimilar Market Share, % of Adjusted Rx's, Q4 2023 Infliximab (Remicade) **Pegfilgrastim (Neulasta)** Filgrastim (Neupogen) 100% 100% **Biosimilar market Biosimilar market Biosimilar market** share: 41% share: 68% share: 62% 75% 75% 50% 50% 25% 25%

2021 2021

2021

Originator

■ FYLNETRA ■ NYVEPRIA

2021

UDENYCA ZIEXTENZO NEULASTA

0%

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118

2022 2022 2022

202

Q1 Q2 Q2

g

### Zytiga's and Alimta's biosimilars both hvae 80% market share





### Zytiga's biosimilar has 98% market share



US Biosimilar Market Share, % of Adjusted Rx's, Q4 2023

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**≣IQVIA** 

# U.S. spending on medicines is forecast to be largely unchanged over the next 5 years with growth expected between -2 to 1%

U.S. medicine spending and growth at WAC and estimated net 2013–2027



Source: IQVIA Institute, Mar 2023.

The Use of Medicines in the U.S. 2023: Usage and Spending Trends and Outlook to 2027. Report by the IQVIA Institute for Human Data Science. ©2024 IQVIA and Affiliates. Do not reproduce without permission.



## As COVID-19 vaccines have declined, overall Rx growth has slowed, and Brands have been in decline





### Food shows strongest growth



Source: IQVIA, National Sales Perspectives, December 2023 Note: Limited to Rx and OTC Insulins; Includes Retail





Growth (%) of Sales

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### Ozempic and Mounjaro have the greatest absolute sales gains in the last 12 months

	Retail Products 1 - 10 (Highest One-Year Absolute Gains)									
Product	MAT Dec 2022	MAT Dec 2023	Abs. Difference							
OZEMPIC	12.5	22.3	9.8							
MOUNJARO	2.5	11.4	8.9							
WEGOVY	1.2	6.2	5.0							
JARDIANCE	9.7	13.1	3.4							
ELIQUIS	14.4	17.1	2.7							
FARXIGA	4.7	6.7	2.0							
AREXVY	0.0	1.6	1.6							
COMIRNATY	0.0	1.5	1.5							
SPIKEVAX	0.0	1.4	1.4							
LEVEMIR FLEXPEN	0.0	1.2	1.2							

Retail Products 11 - 20 (Highest One-Year Absolute Gains)										
Product	MAT Dec 2022	MAT Dec 2023	Abs. Difference							
RYBELSUS	2.4	3.5	1.1							
TRELEGY ELLIPTA	3.7	4.7	1.1							
ENTRESTO	3.2	4.1	0.9							
VRAYLAR	2.3	3.2	0.9							
BIKTARVY	6.9	7.8	0.9							
ABRYSVO	0.0	0.7	0.7							
NURTEC	1.8	2.5	0.7							
TRULICITY	12.7	13.4	0.7							
LISDEXAMFETAMIN DI	0.0	0.6	0.6							
DEXCOM G7	0.0	0.6	0.6							



# There are no significant differences in the top 10 therapy areas by class of trade

#### Therapy Area Rank based on MAT Ending Dec 2023 Retail Adj. Rx Volumes

Therapy Area	Indep	Mass	Food	Chain	Retail
ANTIHYPERTENSIVES, PLAIN & COMBO	1	1	1	1	1
MENTAL HEALTH	2	2	2	2	2
LIPID REGULATORS	3	3	3	3	3
ANTIDIABETICS	5	4	4	4	4
PAIN	4	5	5	5	5
ANTIBACTERIALS	10	7	7	6	6
ANTI-ULCERANTS	6	8	6	7	7
NERVOUS SYSTEM DISORDERS	7	9	8	8	8
RESPIRATORY AGENTS	8	10	11	9	9
THYROID ANTI-THYROID AND IODINE PREPS	12	6	9	10	10

 Notable areas highlighted in Green

•

- The largest variation is that Antibacterials are number 10 for Independents while number 6 for overall Retail
- Number 9 for Independents and number 10 for Food is Other CNS



# There are no significant differences amongst the top 10 products by class of trade

#### Product Rank based on MAT Ending Dec 2023 Retail Adj. Rx Volumes

Product Name	Indep	Mass	Chain	Food	Retail
ATORVASTATIN CA	1	1	1	1	1
AMLODIPINE BESY	2	4	2	2	2
LEVOTHYROXINE SOD	4	2	3	4	3
LISINOPRIL	3	3	4	3	4
LOSARTAN POT	5	5	5	5	5
ROSUVASTATIN CAL	10	7	6	6	6
METOPROLOL SUCCIN	9	8	7	7	7
METFORMIN HCL	8	6	8	8	8
GABAPENTIN	7	10	10	9	9
SERTRALINE HCL	13	11	9	11	10

- Notable areas highlighted in Green
- Omeprazole (Rx) is number 6 for Independents and number 10 for Food
- Hydrochlorothiazide is number 9
  for Mass



#### Latuda has the greatest absolute sales loss within last 12 months

	tail Produc Dne-Year Ab	ts 1 - 10 solute Loss	es)	Retail Products 11 - 20 (Highest One-Year Absolute Losses)						
Product	t MAT Dec MAT Dec Abs. 2022 2023 Difference		Product	MAT Dec 2022	MAT Dec 2023	Abs. Difference				
LATUDA	3.5	0.8	(2.7)	FLUZONE HD QUADRI	0.8	0.6	(0.3)			
LEVEMIR FLEXTOUCH	1.6	0.1	(1.5)	SPIRIVA HANDIHALER	1.0	0.7	(0.3)			
VICTOZA 3-PAK	1.9	1.3	(0.6)	PENNSAID PMP	0.4	0.1	(0.2)			
VIMPAT	0.7	0.2	(0.5)	GENVOYA	1.6	1.4	(0.2)			
JANUVIA	5.0	4.6	(0.4)	NOVOLOG FLEXPEN	2.4	2.1	(0.2)			
ADDERALL XR	1.3	0.9	(0.4)	BASAGLAR KWIKPEN	1.5	1.2	(0.2)			
PROAIR HFA	0.3	0.0	(0.3)	VIIBRYD	0.3	0.0	(0.2)			
FLOVENT HFA	1.4	1.1	(0.3)	FLUBLOK QUAD	0.3	0.1	(0.2)			
DEXILANT	0.4	0.1	(0.3)	CONCERTA	1.1	0.9	(0.2)			
TROKENDI XR	0.4	0.2	(0.3)	PRADAXA	0.3	0.1	(0.2)			



#### Wegovy has the greatest year over year sales growth in Retail

Top 20 Products for Retail Sales \$ Billions, MAT December 2023

RETAIL							
Rank	Product	Class	Brand/Generic	MAT Dec 2023	YoY Growth		
1	OZEMPIC	ANTIDIABETICS	BRAND	22.3	78.7%		
2	ELIQUIS	ANTITHROMBOTICS	BRAND	17.1	18.7%		
3	TRULICITY	ANTIDIABETICS	BRAND	13.4	5.3%		
4	JARDIANCE	ANTIDIABETICS	BRAND	13.1	34.7%		
5	MOUNJARO	ANTIDIABETICS	BRAND	11.4	353.5%		
6	BIKTARVY	HIV ANTIVIRALS	BRAND	7.8	12.3%		
7	FARXIGA	ANTIDIABETICS	BRAND	6.7	41.3%		
8	XARELTO	ANTITHROMBOTICS	BRAND	6.6	2.8%		
9	WEGOVY	ANTI-OBESITY PREPS, EXCL. DIETETICS	BRAND	6.2	414.8%		
10	TRELEGY ELLIPTA	RESPIRATORY AGENTS	BRAND	4.7	29.5%		

Source: IQVIA, National Sales Perspectives, 2024. Limited to Rx and OTC Insulins

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### The top 20 products total over 143 billion sales dollars

Top 20 Products for Retail Sales \$ Billions, MAT December 2023

RETAIL								
Rank	Product	Class	Brand/Generic	MAT Dec 2023	YoY Growth			
11	JANUVIA	ANTIDIABETICS	BRAND	4.6	-8.0%			
12	VYVANSE	ADHD	BRAND	4.5	1.2%			
13	ENTRESTO	ANTIHYPERTENSIVES, PLAIN & COMBO	BRAND	4.1	29.1%			
14	HUMIRA	IMMUNOLOGY	BRAND	3.5	4.3%			
15	RYBELSUS	ANTIDIABETICS	BRAND	3.5	47.0%			
16	LANTUS SOLOSTAR	ANTIDIABETICS	BRAND	3.4	-4.7%			
17	VRAYLAR	MENTAL HEALTH	BRAND	3.2	38.1%			
18	SYMBICORT	RESPIRATORY AGENTS	BRAND	3.0	3.1%			
19	NURTEC	MIGRAINE	BRAND	2.5	37.8%			
20	TRESIBA	ANTIDIABETICS	BRAND	2.5	-4.0%			

Source: IQVIA, National Sales Perspectives, 2023. Limited to Rx and OTC Insulins

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