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US Drug Wholesalers: How McKesson, Cencora & Cardinal Control 90%+ of Distribution

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US Drug Wholesalers: How McKesson, Cencora & Cardinal Control 90%+ of Distribution

Executive Summary

The U.S. pharmaceutical wholesale distribution industry is an extremely concentrated oligopoly dominated by three firms: **McKesson Corporation**, **AmerisourceBergen (now Cencora, Inc.)**, and **Cardinal Health**. These companies collectively control well over 90% of the market by revenue (www.morningstar.com) (www.drugchannels.net). In 2018–2019, their combined U.S. drug distribution revenues approached half a trillion dollars (with McKesson, AmerisourceBergen, and Cardinal all ranking in the top 15 of the Fortune 500 by revenue) (www.pharmaceuticalcommerce.com) (www.drugchannels.net). This dominance has grown through decades of consolidation: [mergers and acquisitions](#) (e.g. AmerisourceBergen's purchases of the H.D. Smith wholesaler and Walgreens' Alliance Healthcare) and joint ventures with large pharmacy chains have steadily eroded smaller competitors (investor.amerisourcebergen.com) (www.reuters.com). At the same time, [shifts in the drug market](#) (such as generic price deflation and a surge in high-cost specialty drugs) have shaped distributor profitability (www.drugchannels.net) (www.reuters.com).

Update (October 2026): McKesson, Cencora and Cardinal Health remain the three largest U.S. drug wholesalers, and two of them have reported a newer fiscal year. McKesson's fiscal 2026 revenue (year ended March 31, 2026) was **\$403.4 billion**, up 12% ([McKesson FY2026 results](#)). Cardinal Health's fiscal 2026 revenue (year ended June 30, 2026) was **\$254.2 billion**, up 14% ([Cardinal Health FY2026 results](#)). Cencora's latest reported full year is still fiscal 2025 at **\$321.3 billion**; for fiscal 2026, which ended September 30, 2026, it guided to revenue growth of 4% to 6% ([Cencora Q3 FY2026 results](#)). On these latest reported years, the three companies total about **\$978.9 billion**. Their push into specialty care continues: Cencora completed its purchase of a majority of the oncology platform OneOncology on February 2, 2026 ([Cencora 10-Q](#)), and on October 6, 2026 McKesson and CD&R agreed to acquire home and alternate-site infusion provider Option

Care Health, with McKesson investing about \$1.4 billion for a stake of about 49% ([McKesson and CD&R announcement](#)). Cardinal Health signed a binding letter of intent on October 1, 2026 to extend its distribution agreement with CVS Health through June 30, 2032 ([Cardinal Health](#)). In opioid litigation, after the Maryland Supreme Court vacated the Baltimore judgment, the City of Baltimore dismissed its claims against Cencora with prejudice on May 8, 2026 ([Cencora 10-Q](#)) and also dismissed its claim against McKesson with prejudice ([McKesson 10-Q](#)).

This report provides a comprehensive, in-depth analysis of U.S. drug wholesaler concentration. It includes historical background, company profiles, market data and trends, case studies (including the role of distributors in the opioid crisis and in COVID-19 vaccine rollout), and discussion of regulatory and competitive issues. The analysis is supported by extensive data and references from industry reports, financial filings, news outlets, and expert commentary. Key findings include:

- **Market Concentration:** By 2018 the Big Three controlled about 95% of prescription drug distribution in the U.S. ([www.drugchannels.net](#)), and current analyses estimate their share remains over 90% ([www.morningstar.com](#)). Industry experts characterize the market as an “oligopoly” of three giants ([www.morningstar.com](#)) ([www.pharmaceuticalcommerce.com](#)).
- **Company Scale:** McKesson, Cencora, and Cardinal Health together generated roughly \$979 billion in revenue in their latest reported fiscal years (see Table 1). McKesson led with **\$403.4 billion** in FY2026 revenue ([www.mckesson.com](#)), Cencora **\$321.3 billion** in FY2025 ([investor.cencora.com](#)), and Cardinal Health **\$254.2 billion** in FY2026 ([newsroom.cardinalhealth.com](#)). In FY2025, McKesson reported \$359.1 billion ([www.mckesson.com](#)) and Cardinal Health \$222.6 billion ([newsroom.cardinalhealth.com](#)).
- **Growth & Profitability:** The wholesalers' overall revenues have grown year-over-year, driven by volume and expensive specialty drugs, but margins have been under pressure. For example, Drug Channels estimated in 2019 that the Big Three's total gross profit dollars had declined by about 12% from 2015 to 2019 despite rising sales ([www.drugchannels.net](#)). Generic price deflation can reduce revenue and gross-profit dollars, but margin comparisons must distinguish percentage margins from margin dollars: an HHS analysis found wholesalers generally earned higher margin percentages on generics but more margin dollars from brands because brands have higher prices ([HHS ASPE report](#)).
- **Consolidation Drivers:** Each major distributor has expanded via acquisitions and partnerships. Notable deals include AmerisourceBergen's 2017 purchase of independent wholesaler H.D. Smith (\$815 M) ([investor.amerisourcebergen.com](#)) and its 2021 acquisition of Walgreens/Alliance Healthcare (~\$6.3 B) ([www.reuters.com](#)). More recently, Cencora completed its ~\$4.6 billion acquisition of Retina Consultants of America (RCA) in January 2025 ([investor.cencora.com](#)), and Cardinal Health completed its \$1.9 billion acquisition of specialty urology MSO Solaris Health in November 2025 ([newsroom.cardinalhealth.com](#)). These moves reflect a broader pivot toward controlling specialty drug distribution by integrating with prescribing physician practices.
- **Vertical Relationships:** All three distributors maintain close ties to large pharmacy chains and health systems. For example, Walgreens Boots Alliance (WBA) was AmerisourceBergen's largest shareholder (~30%) and the companies extended a U.S. drug supply contract through 2029. WBA has been steadily unwinding its stake to pay down debt, dropping from ~30% to ~10% in 2024 ([www.reuters.com](#)) and

falling below 5% by mid-2025, at which point WBA lost its board designation rights at Cencora. Each wholesaler also partners with insurers and PBMs (e.g. Cencora and Express Scripts) to lock in business. Such alliances further entrench their market power.

- **Criticisms and Legal Issues:** The concentration has drawn scrutiny in contexts like the opioid epidemic. Distributors are required to report suspicious orders and have faced fines and lawsuits for alleged failures. Between 2016–2017, McKesson paid a \$150 M DOJ fine, Cardinal \$44 M to DOJ plus \$20 M in West Virginia, and AmerisourceBergen \$16 M to West Virginia for compliance lapses ([psmag.com](https://www.psmag.com)). The Big Three's 2022 national opioid settlement committed them to paying **\$21 billion** over 18 years to state and local governments ([nationalopioidsettlement.com](https://www.nationalopioidsettlement.com)). A Baltimore jury in 2024 initially awarded ~\$266 M against McKesson and Cencora, and the trial judge later reduced the amount to \$152 M. On April 24, 2026, however, the Maryland Supreme Court vacated the Circuit Court judgment and remanded the case for further proceedings ([Maryland Supreme Court order](https://www.marylandcourtsystem.org/court-orders)). The City of Baltimore then dismissed its claims against both companies with prejudice ([Cencora 10-Q](https://www.cencora.com)) ([McKesson 10-Q](https://www.mckesson.com)). A federal appeals court in October 2025 revived a \$2.5 B nuisance suit in West Virginia ([apnews.com](https://www.apnews.com)), and in 2024 the Big Three agreed to a \$300 million settlement with health insurers and benefit plans.
- **Future Outlook:** The wholesalers are pivoting to growing **specialty/pharma services** segments while maintaining their role in primary care distribution. New trends include handling expensive biologics and gene therapies (often with specialized distribution channels), integrating data analytics, and **navigating regulatory changes** (e.g. enhanced traceability under DSCSA). There are also potential disruptors: for instance, smaller niche distributors can win exclusive deals for single specialty drugs (e.g. Accredo, Evernorth's specialty pharmacy, was the exclusive U.S. distributor for Biogen's Spinraza (www.pharmaceuticalcommerce.com)), and the rise of e-pharmacies and telehealth may pressure margins. Nonetheless, analysts broadly agree that the Big Three's scale and entrenched networks provide them substantial advantage for the foreseeable future (www.morningstar.com) (www.pharmaceuticalcommerce.com).

The following sections present detailed background, data-driven analysis, and case studies on each aspect above. Citations identify the supporting company disclosures, government materials, industry studies, and news reports where applicable.

Introduction and Background

Pharmaceutical wholesalers are **critical links** in the healthcare supply chain. They purchase prescription medicines in bulk from **manufacturers** and distribute them to **pharmacies, hospitals, clinics**, and other points of care. The “primary care” or retail distribution category (often simply called **wholesale distribution**) covers most outpatient prescriptions and generic drugs. In recent years, wholesalers have also expanded into **specialty drug distribution, pharma services**, and other segments.

Recognizing this role, the U.S. federal government designated pharmaceutical distributors as “**critical infrastructure**” during the COVID-19 pandemic (www.pharmaceuticalcommerce.com). Distributors (large and small) handle enormous operational complexity: consolidating orders from thousands of manufacturers and delivering to **hundreds of thousands of pharmacies, hospitals, clinics, and other providers** (www.pharmaceuticalcommerce.com). In one description, distributors provide “vital connective tissue” in the

supply chain (www.pharmaceuticalcommerce.com). Their business model is high-volume, low-margin logistics, earning a small gross profit on each sale but leveraging scale. Reliability and efficiency in this channel is essential; any disruption can delay patient access to medicines.

Over the past few decades, the U.S. pharmaceutical distribution industry has undergone **dramatic consolidation**. Progressive mergers, acquisitions, and alliances have whittled the field of players down to three giants. As of 2026, these are:

- **McKesson Corporation (NYSE: MCK)**: Founded in 1833 and now headquartered in Irving, Texas, McKesson is the largest U.S. healthcare distributor and was the #9 company on the 2022 Fortune 500 (with ~\$238 B revenue for FY2021 (www.pharmaceuticalcommerce.com)). McKesson distributes pharmaceuticals and medical-surgical supplies, and also provides various health IT services.
- **AmerisourceBergen (Cencora, Inc., NYSE: COR)**: Formed by a 2001 merger of AmeriSource Health and Bergen Brunswig, this Pennsylvania-based company ranked #10 on the Fortune 500 in 2022 (~\$214 B FY2021 (www.pharmaceuticalcommerce.com)). In 2023 it rebranded as *Cencora*. Its business includes drug distribution (U.S. and international, including specialty and generic drugs) and a portfolio of pharma services.
- **Cardinal Health (NYSE: CAH)**: Founded in 1971 in Ohio, Cardinal Health was the #15 company on the 2022 Fortune 500 (~\$160 B FY2021 (www.pharmaceuticalcommerce.com)). Based in Dublin, Ohio, it distributes pharmaceuticals (both retail and hospital) and medical products, and operates a large pharmacy services segment.

These “**Big Three**” companies have become deeply embedded as the primary intermediaries between drug manufacturers and the provider/pharmacy market. A variety of industry sources agree on their overwhelming dominance. For example, an analysis by Morningstar (May 2025) emphasizes that the U.S. drug distribution market is “effectively an oligopoly,” with McKesson, Cencora, and Cardinal making up “**over 90% of the market by revenue**” (www.morningstar.com). Likewise, a 2022 trade publication notes that the Big Three “dominate the distribution of products in the wholesale (primary care) and generic space,” and are “increasingly distributing specialty therapies” (www.pharmaceuticalcommerce.com) (www.pharmaceuticalcommerce.com). Market research has documented that the combined share of these three grew from roughly 87% in 2013 to 95% by 2018 (www.drugchannels.net). By any measure, the U.S. prescription drug distribution channel is **highly concentrated**, far above the levels typical in most industries.

Table 1 (below) contrasts the scale of the Big Three (latest available fiscal year revenues) with the next largest providers. (For perspective, U.S. retailers like Walmart also dispense many drugs, but Walmart is primarily a retail channel supplier, not a pure drug wholesaler.)

Company	Headquarters	Fiscal Year End	Revenue (Latest FY)	Market Position & Notes
McKesson Corp.	Irving, Texas	FY2026 (Mar 31)	\$403.4 B (www.mckesson.com)	Largest U.S. drug wholesaler. North American Pharmaceutical segment (\$336.7B) ~83% of revenues; Oncology & Multispecialty segment \$48.4B; planned separation of Medical-Surgical Solutions segment.

Company	Headquarters	Fiscal Year End	Revenue (Latest FY)	Market Position & Notes
Cencora (fmr. AmerisourceB.)	Conshohocken, PA	FY2025 (Sep 30)	\$321.3 B (investor.cencora.com)	Second-largest. Rebranded from AmerisourceBergen in 2023 (www.cencora.com). Acquired Retina Consultants of America (~\$4.6B) in Jan 2025 and a majority of OneOncology in Feb 2026. Large specialty business.
Cardinal Health	Dublin, Ohio	FY2026 (Jun 30)	\$254.2 B (newsroom.cardinalhealth.com)	Third-largest. Distributes retail & hospital pharmaceuticals; also Global Medical Products and Distribution segment. Completed \$1.9B Solaris Health acquisition (Nov 2025).
<i>Others (e.g., Owens & Minor, Morris & Dickson)</i>	–	–	<i>Far smaller</i>	Owens & Minor (medical products), Morris & Dickson (regional pharmacy); <i>none exceed low-single-digit % of market.</i>

Table 1: Overview of the top U.S. pharmaceutical wholesalers (latest reported fiscal-year revenues as of October 2026: McKesson FY2026, Cencora FY2025, Cardinal Health FY2026). The Big Three together reported about \$979 B in annual sales and dominate the U.S. drug distribution industry (www.mckesson.com) (investor.cencora.com). Note that each company includes other businesses beyond drug distribution (listed under “Notes”).

Each of the Big Three has national distribution networks comprising tens of millions of square feet of warehouse space, computerized logistics, and dedicated delivery fleets serving all 50 states. They negotiate contracts with the major pharmacy chains (Walgreens, CVS, Walmart, etc.), health systems, and pharmacy benefit managers, securing exclusive or semi-exclusive supply arrangements. These relationships further entrench their incumbency. For example, Walgreens Boots Alliance (WBA) was once a 30% equity owner of AmerisourceBergen (now Cencora) and signed multi-year supply agreements extending to 2029 (www.reuters.com). WBA has since sold down its Cencora stake to below 5% as of mid-2025 to pay down debt, though the distribution partnership remains intact. Many health insurers and PBMs continue to volume-drive their pharmacy purchases through these wholesalers. In short, these firms control the vast, fundamental highway by which prescription drugs reach retailers and hospitals.

Understanding the dynamics of this concentrated market is critical. On one hand, the Big Three’s scale yields efficiency (national coverage, sophisticated technology, high bargaining power with manufacturers) that arguably stabilizes the drug supply chain. On the other hand, such concentration can raise concerns about market power and accountability (as seen in recent opioid litigation). The remainder of this report examines these issues in detail: providing historical context, analyzing financial and market data, exploring competitive and regulatory issues, and assessing future scenarios for drug distribution.

Industry Structure and Market Concentration

Scale and Market Share of the Big Three

The scale of the Big Three wholesalers is vast. In calendar year 2018, the combined U.S. revenues for the distribution divisions of McKesson, AmerisourceBergen, and Cardinal Health were estimated at **\$457.8 billion**, up 7.8% from 2017 (www.drugchannels.net). This figure includes traditional retail (community pharmacy), institutional (hospital/infusion), and specialty drugs. It was projected to grow further (nearly \$482B in 2019) (www.drugchannels.net). These revenues represent many times the size of any remaining competitor; as one analysis noted, the Big Three **accounted for about 95% of total U.S. prescription drug distribution in 2018**, up from 87% in 2013 (www.drugchannels.net). In 2025, Morningstar still reported that the “three giants dominate” with **over 90% market share by revenue** (www.morningstar.com).

In practical terms, almost every pharmacy or hospital in America must deal with at least one of these three for most of its drug supply. Smaller firms exist (e.g. Morris & Dickson serves some regional pharmacies), but none come close to rivaling the reach of the Big Three. In the specialty drug arena, while no vendor carries *all* specialty products, each of the Big Three (often through subsidiary networks) is active in distributing key biologics and high-cost therapies. (For example, Accredo by Evernorth became the *exclusive* distributor of Biogen’s Spinraza for spinal muscular atrophy (www.pharmaceuticalcommerce.com), which illustrates how even a single therapy can define a niche business.)

The table above summarizes consolidated revenue alongside reported pharmaceutical or U.S. healthcare segments. These disclosures are useful indicators of company scale, but they use different segment definitions and are not an apples-to-apples calculation of the U.S. wholesale-distribution market or its shares. Notably, McKesson and AmerisourceBergen have seen **faster growth** recently due to acquisitions and higher drug prices. Pharmaceutical Commerce reported that McKesson and AmerisourceBergen ranked #9 and #10 on the 2022 Fortune 500 (fiscal 2021) (www.pharmaceuticalcommerce.com), reflecting revenues of \$238B and \$214B. Cardinal, at \$160B, was #15. By fiscal 2026, all three had far surpassed these marks (for example, McKesson reported **\$359.1B** revenue in FY2025 (www.mckesson.com) and **\$403.4B** in FY2026 (www.mckesson.com). Thus the Big Three not only outsell competing wholesalers by a wide margin, but they also rank among the very largest U.S. corporations.

Because of this dominance, the concentration ratio (CR3) in U.S. drug wholesale distribution far exceeds levels that normally raise antitrust concerns. An HHI estimate requires a defined relevant market and reliable market-share data, so this report does not estimate one. The U.S. Department of Justice defines HHI as the sum of squared market shares and regards an HHI above 1,800 as highly concentrated. While no competition authority in the U.S. has directly broken up these firms, the market’s oligopolistic nature is widely acknowledged in the industry (www.morningstar.com) (www.drugchannels.net).

Key factors driving this concentration include:

- **Mergers and Acquisitions:** In the past decade, each of the Big Three acquired other large distributors, absorbing their customers. Notable deals: AmerisourceBergen’s 2017 purchase of **H.D. Smith** (the largest independent wholesaler) for \$815 million (investor.amerisourcebergen.com); its 2021 acquisition of **Walgreens’ Alliance Healthcare** businesses (~\$6.27 billion) (www.reuters.com); and Cardinal’s 2015

acquisition of **The Harvard Drug Group** (a \$1.115 billion generic drug distributor)

(www.drugtopics.com). Such transactions shoved smaller players out of the market. (By contrast, the smaller remaining firms focus on niche markets or regional accounts.)

- **Vertical Partnerships:** All three distributors forged strategic partnerships with major pharmacy chains and PBMs to lock in volume. For example, in 2013 Walgreens and Alliance Boots signed a strategic agreement that gave them the right to acquire a minority equity stake in AmerisourceBergen (www.sec.gov), and that alliance persisted: after selling its Alliance Healthcare division, Walgreens remained a ~30% shareholder of AmerisourceBergen (www.reuters.com), later reducing to ~10% in 2024 (www.reuters.com) and below 5% by mid-2025 (losing its board seat), while its drug sourcing contract continues through 2029. Cardinal Health supplies CVS Health and signed a binding letter of intent in October 2026 to extend that distribution agreement through June 30, 2032 (newsroom.cardinalhealth.com). CVS completed its merger with Caremark in 2007; Caremark continued as a CVS subsidiary rather than being spun out. These alliances mean the largest retailers channel most of their purchases through the Big Three, reinforcing the distributors' market power.
- **Demand Trends: Generics vs Specialty:** A surge in generic dispensing has the paradoxical effect of concentrating revenue. Generics generally have lower prices and revenue per unit than brands, but margin measures differ: an HHS analysis found that wholesalers earned higher margin percentages on generics while earning more margin dollars from brands because brand drugs are more expensive ([HHS ASPE report](http://HHSASPEreport)). Generic-price deflation can still slow revenue growth for wholesalers (www.drugchannels.net), encouraging expansion into specialty drugs and services. As one industry report notes, since 2015 the Big Three's revenues rose by over \$100 billion (from ~\$358B to ~\$458B) but **gross profit dollars actually fell by about 12%** (www.drugchannels.net). In essence, lower-price generics increased volume while price deflation and changes in drug mix affected revenue and gross-profit dollars, strengthening the incentive for distributors to expand services or acquire volume to maintain earnings.
- **Customer Behavior:** Large buyers (chain pharmacies, health systems, large PBMs) have aggregated their purchasing through the Big Three, further shrinking the "independent" channel. For example, some major retail buyers (Walgreens, Walmart, etc.) rely heavily on these distributors for brand and generic products. In 2018 Drug Channels Institute estimated that the *three largest pharmacy purchasing organizations alone accounted for over 90% of total U.S. generic drug purchases from manufacturers* (www.drugchannels.net), underscoring how few "purchasers" remain outside the Big Three ecosystem.

In summary, as of 2026 the pharmaceutical wholesale market in the U.S. is **virtually cornered by McKesson, Cencora, and Cardinal**. According to industry analysts, any assessment of U.S. drug distribution must acknowledge that "the Big Three dominate the wholesale distribution category" (www.morningstar.com) (www.pharmaceuticalcommerce.com). Other distributors still exist, but they typically specialize in one or two product types or geographic niches. This concentration has broad implications: it gives the Big Three significant bargaining power with both manufacturers and customers (www.morningstar.com), but also places major responsibility on them for the resiliency and fairness of the drug supply chain.

Financial Scale and Trends

The financial data confirm the dominance and recent performance of the Big Three. **McKesson's** fiscal year 2025 consolidated revenue was **\$359.1 billion** (www.mckesson.com), up 16% year-over-year, with its U.S. Pharmaceutical segment alone generating \$327.7 billion (+18%). McKesson's adjusted EPS reached \$33.05 (+20%), and the company generated \$5.2 billion in free cash flow. **Cencora** reported FY2025 revenues of **\$321.3 billion**, a 9.3% increase vs prior year (investor.cencora.com), with adjusted EPS of \$16.00 (+16.3%). Growth has been fueled especially by demand for new higher-priced therapies (e.g. GLP-1 weight-loss drugs like Wegovy and Zepbound) and expanding specialty services. **Cardinal Health** earned **\$222.6 billion** in FY2025 revenue (newsroom.cardinalhealth.com), a slight decline due to an expired major customer contract, but underlying growth (excluding that contract) was approximately 18%. Cardinal's non-GAAP operating earnings grew 15% to \$2.8 billion. Across all three firms, fiscal year-end reporting differs (McKesson ends March, Cencora September, Cardinal June), and their FY2025 revenues combined to about **\$903 billion**. In their next reported fiscal years, McKesson's FY2026 revenue rose 12% to **\$403.4 billion**, with adjusted EPS of \$39.11 (+18%) (www.mckesson.com), and Cardinal Health's FY2026 revenue rose 14% to **\$254.2 billion**, with non-GAAP operating earnings up 30% to \$3.6 billion (newsroom.cardinalhealth.com). Cencora's FY2026 ended September 30, 2026, and its results had not been reported at the time of this update. Tables 1 and 2 (below) summarize their scale and major deals.

Table 2: Major Consolidation Events and Deals (2015–2026)

Year	Company	Transaction	Value	Notes/Impact
2015	Cardinal Health	Acquires The Harvard Drug Group (generic drug distributor)	\$1.115 B (www.drugtopics.com)	Expanded Cardinal's generic drug distribution business.
2017	AmerisourceBergen	Acquires H.D. Smith (independent wholesaler)	\$0.815 B (investor.amerisourcebergen.com)	Described by AmerisourceBergen as the largest independent U.S. wholesaler at the time.
2021	AmerisourceBergen	Acquires Walgreens' Alliance Healthcare businesses (EU & US)*	~\$6.27 B (www.reuters.com)	Gave Amerisource/Cencora major European presence; WBA then held ~30% of the company and remained its U.S. partner.
2023	AmerisourceBergen	Corporate name change to Cencora	–	Unified branding for global operations (www.cencora.com).
2024	Cencora/WBA	Walgreens sells down stake in Cencora (ABC)	~\$1.1 B proceeds (www.reuters.com)	Walgreens reduces ownership from ~30% to ~10%, though distribution partnership upheld. WBA later sold below 5% by mid-2025.
2025	Cencora	Acquires Retina Consultants of America (retina MSO)	~\$4.6 B (investor.cencora.com)	Expands Cencora into specialty physician management; completed January 2025.

Year	Company	Transaction	Value	Notes/Impact
2025	McKesson	Acquires 80% of PRISM Vision Holdings (ophthalmology and retina MSO)	\$0.875 B (McKesson 10-Q)	Completed April 1, 2025; part of the Oncology & Multispecialty segment.
2025	McKesson	Acquires 70% of Core Ventures, the business services organization of Florida Cancer Specialists	~\$2.5 B (McKesson 10-Q)	Completed June 2, 2025; expands McKesson's community oncology platform.
2025	Cardinal Health	Completes acquisition of Solaris Health (urology MSO)	\$1.9 B (newsroom.cardinalhealth.com)	Adds more than 750 providers in 14 states to Cardinal's The Specialty Alliance MSO platform. Completed November 3, 2025.
2025	McKesson	Announces planned separation of Medical-Surgical Solutions segment	— (www.mckesson.com)	Planned spin-off or split-off into an independent company; Apollo funds bought a ~13% minority stake for ~\$1.25 B in June 2026 (McKesson 10-Q).
2026	Cencora	Acquires majority of OneOncology (oncology MSO)	~\$4.6 B cash (Cencora 10-Q)	Completed February 2, 2026; Cencora previously held a minority investment.
2026	McKesson	Agrees with CD&R to acquire Option Care Health (home and alternate-site infusion)	~\$1.4 B for ~49% (www.sec.gov)	Announced October 6, 2026; enterprise value ~\$5.8 B; expected to close in the first half of 2027.

Table 2: Selected major acquisitions and corporate events involving the Big Three distributors (2015–2026). "Value" is approximate transaction consideration. Sources as noted.

The cumulative effect of these deals was to expand the Big Three's distribution businesses. AmerisourceBergen's 2017 acquisition of H.D. Smith, described by the company as the largest independent wholesaler in the U.S., expanded its scale and support for community pharmacies. Cardinal's 2015 acquisition of The Harvard Drug Group expanded its generic-drug distribution business. Likewise, AmerisourceBergen's 2021 deal for Walgreens Boots Alliance's distribution arm (Alliance Healthcare) for \$6.275 billion (www.reuters.com) dramatically expanded its European footprint and cemented its role as WBA's primary supplier (the contract was extended to 2029). More recently, the Big Three have pivoted toward acquiring **specialty physician management service organizations (MSOs)**: Cencora's \$4.6B acquisition of Retina Consultants of America, McKesson's ~\$2.5B purchase of a 70% stake in Florida Cancer Specialists' Core Ventures (McKesson 10-Q), and Cardinal's \$1.9B Solaris Health deal reflect a strategy of integrating with the prescribing practices that drive specialty drug volume. McKesson, meanwhile, announced plans in May 2025 to separate its Medical-Surgical Solutions segment into an independent company, allowing it to focus more intensely on pharmaceutical distribution and oncology services. These moves illustrate how strategic transactions continue to underpin the Big Three's market control.

Financially, high-volume distribution is a low-margin business. The wholesalers typically earn only a few percent gross profit on drug sales (www.drugchannels.net). For example, Drug Channels Institute (2019) observed that even as the Big Three's combined drug sales grew by over \$100 billion from 2015–19, their *gross profit dollars* actually *declined* by about 12% (www.drugchannels.net). The reasons include aggressive

pricing of generics (which leads to lower distributor revenue per pill) and reduced usage of high-price products like hepatitis C cures and opioids. To compensate, the distributors rely on volume growth, acquisitions, and pushing into higher-margin areas (specialty drugs, pharmacy technology services, etc.). However, net profits remain relatively thin: typical operating margins have often been in the 1–3% range. This slim margin is one justification distributors give against antitrust concerns: they argue they do not have excess market power to raise price, since they cannot easily increase the spread without losing business to the other giants. Nevertheless, their scale does furnish bargaining leverage (for instance, they can negotiate purchase discounts from manufacturers).

In summary, McKesson, Cencora, and Cardinal Health reported FY2025 consolidated revenue of **\$359.1 billion**, **\$321.3 billion**, and **\$222.6 billion**, respectively, about **\$903.0 billion** in total. Using the latest reported years (McKesson FY2026 at \$403.4 billion, Cencora FY2025 at \$321.3 billion and Cardinal Health FY2026 at \$254.2 billion), the total is about **\$978.9 billion**. Industry analyses separately estimate that the Big Three account for more than 90% of U.S. drug-distribution revenue (www.morningstar.com) (www.drugchannels.net). Consolidated company revenue and market-share estimates measure different things and should not be treated as interchangeable.

Case Studies: Distribution in Action

COVID-19 Vaccine Distribution

The role of the Big Three distributors in the COVID-19 pandemic provides a concrete illustration of their importance in public health. Under Operation Warp Speed, the U.S. government used McKesson as the **centralized national distributor for Moderna's vaccine**, leveraging McKesson's network to ship doses to all states (www.reuters.com). (Pfizer's vaccine was handled separately by Pfizer itself and its logistics partner UPS/FedEx.) As the vaccine rollout accelerated, federal officials briefly considered inviting AmerisourceBergen and Cardinal to assist McKesson and "alleviate strain" on the distribution network (www.reuters.com). Reuters reported that proposals were in discussion to add Cardinal and Amerisource, supplementing McKesson's work (www.reuters.com). In short, alongside manufacturers' own logistics, the U.S. government relied on an established national drug distributor to execute a massive vaccination campaign. This underscores how policymakers view established distributors as the necessary infrastructure for rapid drug delivery.

Opioid Crisis Litigation

The concentrated distribution system became a focal point in the legal fallout from the U.S. opioid epidemic. State and local governments alleged that the Big Three failed to flag or stop suspicious shipments of large quantities of opioids to pharmacies and pain clinics. Although distributors claim they cannot refuse lawful transactions without regulatory basis, prosecutors and plaintiffs argued they shirked their duty. This led to numerous civil and criminal enforcement actions:

- **Federal enforcement (2016–2017):** In early 2017, the U.S. Department of Justice announced agreements with the distributors for compliance failures. (psmag.com) McKesson agreed to pay **\$150 million** to the DOJ, agreeing to enhance its monitoring (psmag.com). Cardinal Health settled with DOJ for **\$44 million** and separately agreed to pay **\$20 million** to West Virginia (psmag.com).

AmerisourceBergen (then ABC) agreed to pay **\$16 million** to West Virginia ([psmag.com](#)). These deals were not admissions of liability, but they reflected the government's insistence on stiff penalties for distributors who ignored red flags. Critics noted the fines were modest relative to company revenues, though some observers expected them to prompt industry changes ([psmag.com](#)).

- **Local lawsuits (2020–2026):** Outside government enforcement, many jurisdictions pursued civil suits. A landmark example was Baltimore's 2024 jury verdict: the jury found both McKesson and Cencora had contributed to Baltimore's opioid crisis and initially awarded **\$266 million** (~\$192M from McKesson, ~\$74M from Cencora). However, the trial judge deemed the verdict "grossly excessive" and reduced it to **\$152 million** in mid-2025. Baltimore accepted the reduced amount rather than risk a new trial. On April 24, 2026, the Maryland Supreme Court granted the petitions for certiorari, vacated the Circuit Court judgment, and remanded the case for further proceedings consistent with its decision in *Express Scripts, Inc. v. Anne Arundel County* ([Maryland Supreme Court order](#)). On May 8, 2026, the City of Baltimore voluntarily dismissed all claims against Cencora with prejudice ([Cencora 10-Q](#)), and McKesson reported that the city had also dismissed its claim against McKesson with prejudice ([McKesson 10-Q](#)). The suit by Cabell County and the City of Huntington, West Virginia, sought \$2.5 billion. A federal judge had ruled for the distributors after a bench trial, but in October 2025 the 4th Circuit Court of Appeals revived the case ([apnews.com](#)), holding that West Virginia public nuisance law can reach opioid over-distribution and reversing the trial court's finding that the distributors had met their duty to report suspicious orders; the case was sent back to the district court. On remand, the parties filed additional briefing with the district court in May 2026, and a ruling was still pending as of August 2026 ([Cardinal Health 10-K](#)). Separately, in 2024 the Big Three agreed to a **\$300 million** class settlement with private health plans and benefit funds in the federal opioid litigation, which the court approved. The largest resolution remains the 2022 **national opioid settlement**, under which the Big Three committed to paying **\$21 billion** over 18 years to state and local governments ([nationalopioidsettlement.com](#)).

These legal actions highlight a key implication of the distribution concentration: accountability. With only three major distributors, plaintiffs argue it is feasible to hold industry-wide responsible for supply chain failures. As a former DEA supervisor put it, distributors are “like the quarterback” of drug distribution: if the supply line to pharmacies is not secured, harm can follow ([psmag.com](#)). The distributors defend that they operate under DEA oversight and that state and federal law often pre-empt municipal claims. Regardless, the opioid litigation has imposed significant costs and obligations on the wholesalers. Notably, McKesson publicly acknowledged that it had “implemented significant changes to its monitoring” since 2013 ([psmag.com](#)) ([psmag.com](#)), reflecting increased scrutiny.

Specialty Distribution & Partnerships

While the Big Three dominate traditional wholesale, an often-cited counterpoint is the rise of **niche/specialty distributors** for high-value therapies. For example, Accredo, Evernorth's specialty pharmacy, became the exclusive U.S. distributor for Biogen's Spinraza ([www.pharmaceuticalcommerce.com](#)). Spinraza (nusinersen) is an SMN2-directed antisense oligonucleotide indicated for spinal muscular atrophy, not a gene therapy ([DailyMed](#)). Such deals show that, for certain orphan or specialty drugs, manufacturers can select a dedicated channel (often outside the Big Three) to ensure careful handling and patient support. Other small distributors

(e.g. AnovoRx, Morris & Dickson's specialty division, BioCareSD) target narrow niches. As one expert put it, "When a company is able to win a contract to be the exclusive distributor for even one high-value specialty therapy... that's still a viable business model" (www.pharmaceuticalcommerce.com).

However, even in specialty products this does not negate the Big Three's reach. Each of the Big Three has significant operations in specialty distribution as well, either through their own networks or via joint ventures. For instance, Cardinal's The Specialty Alliance is a multi-specialty management services platform for physician practices such as urology groups (newsroom.cardinalhealth.com), and McKesson/Cencora operate large specialty pharmacies and logistics services. Overall, "the Big Three dominate the distribution of products in the wholesale (primary care) and generic space, and these companies are increasingly distributing specialty therapies" (www.pharmaceuticalcommerce.com) (www.pharmaceuticalcommerce.com). Thus the specialized channels complement rather than replace the giants: specialty distributors handle select products (especially injectables requiring special storage or reimbursement programs), but the majority of drug volume (even many specialty prescriptions for insurers and hospitals) still flows through McKesson, Cencora, or Cardinal.

Implications of Concentration

The unique structure of this market has several important implications:

- **Supply Chain Efficiency and Risks:** Proponents argue that having only three major players has helped create an efficient, reliable network. Large scale allows investment in advanced logistics (e.g. real-time tracking, automated warehouses) and risk management programs. For example, during the COVID-19 vaccine rollout, using established networks arguably enabled rapid nationwide coverage. However, concentration also means if one distributor has an operational failure (e.g. warehouse disaster, cyberattack), a large part of the drug supply could be affected. Regulators thus closely monitor these firms for compliance with safety regulations (such as track-and-trace under the DSCSA, or suspicious order reporting under DEA rules). Any systemic disruption could cascade, prompting public and political pressure for contingency plans.
- **Pricing and Negotiation:** Although wholesalers do not set retail drug prices, their market clout affects the economics of the drug supply chain. They negotiate purchase prices with manufacturers; a smaller pool of buyers might secure larger rebates or discounts on generics. In turn, they negotiate selling prices and fees with pharmacy customers. The Morningstar analysis notes that the Big Three's concentration "grants them massive scale and bargaining power" (www.morningstar.com). However, because profit margins on distribution are razor-thin, it is debated how much of any negotiated margin is truly "saved" by distributors versus passed through or offset by other pricing mechanisms. Balanced against this, intense competition *among* the Big Three (and pressure from large customers) tends to limit opportunities for pricing exploitation.
- **Independent Pharmacies and 340B:** Concentration has especially impacted independent (non-chain) pharmacies and clinics. Many independents rely entirely on big wholesaler accounts; if a wholesaler dropped a customer, the pharmacy could lose access to certain drugs. The 340B federal drug discount program, where hospitals and clinics purchase drugs at deep discounts for low-income patients, also interacts with distribution. Some drug manufacturers have tried to restrict distribution of 340B drugs (for

instance, by requiring them to be shipped to 340B entities via a single wholesaler), leading to legal battles. In *Novartis Pharmaceuticals Corp. v. Johnson* (D.C. Cir. 2024), the court held that Section 340B did not prohibit the specific contractual distribution limits at issue; it did not decide whether other or more burdensome conditions would violate the statute ([D.C. Circuit opinion](#)). The ruling can affect which wholesalers service covered entities. On February 10, 2026, a federal district court vacated and remanded HRSA's 2025 340B Rebate Model Pilot Program notices and related manufacturer approvals. HRSA's related request for information closed on April 20, and HRSA announced a revised pilot on July 31, 2026 ([HRSA 340B Rebate Model Pilot Program](#)). These disputes highlight how distribution policy affects vulnerable patient programs.

- **Regulatory Scrutiny and Litigation:** As detailed above, concentration has brought the Big Three into the spotlight of legal and regulatory arenas. Cases like the opioid litigation exemplify the responsibilities placed on distributors as gatekeepers. In addition, the distributors face scrutiny under competition law. While they have not been subject to formal antitrust breakups, government agencies do monitor their acquisitions and partnerships. (For example, AmerisourceBergen's Alliance Healthcare deal with Walgreens received regulatory review.) Regulators are also keen on preventing anti-competitive market sharing. In practice, however, no major challenge to the Big Three's market structure has succeeded: these companies have mainly grown through allowed mergers with smaller entities, and their ubiquitous presence tends to be taken as a given in healthcare discussions.
- **Customer and Manufacturer Perspectives:** Drug manufacturers and chain pharmacies generally benefit from dealing with three national distributors rather than dozens of fragmented ones. A single large distributor streamlines ordering and reduces overhead. Manufacturers invest in partnering with them for market access. Conversely, some smaller manufacturers or retailers might feel beholden to the distributors' terms. Pharmacy chains often have their own negotiating clout (e.g. CVS said no one distributor controlled its entire supply, and instituted bidding for volume). The Big Three have responded by offering integrated services (data analytics, consulting, specialty pharmacy programs) to capture more value beyond mere logistics.
- **Potential Competition:** Despite the dominance of McKesson, Cencora, and Cardinal, there is still some competitive light in the market. New entrants (or expanding players) have attempted to carve niche strategies. Online pharmacy provider Amazon has shown interest: its purchase of PillPack in 2018 and launch of Amazon Pharmacy in 2020 briefly rattled the sector, though analysts ultimately concluded that Amazon would need to partner with the established distributors or build comparable infrastructure to make big inroads. Other healthcare giants (like UnitedHealth's OptumRx) distribute to their captive network, but these are separate channels not broadly open to others. Internationally, the situation varies: in China, the state-owned **Sinopharm** Group dominates similar distribution, illustrating that high concentration is not unique to the U.S., though market structures differ.

Future Outlook

Looking ahead, the pharmaceutical wholesale industry faces both opportunities and challenges that will shape its evolution:

- Shift to Specialty and Services:** As traditional generic drug growth stagnates, the Big Three are increasingly focusing on specialty pharmaceuticals (biologics, gene therapies, rare disease drugs). These products require more complex handling (cold chain, patient management) and command higher margins. Distributors are expanding specialty pharmacy networks, forming partnerships with manufacturers (e.g. limited distribution networks), and even investing in patient support programs. AmerisourceBergen, for instance, has emphasized expanding its specialty distribution centers (www.pharmaceuticalcommerce.com). However, specialty distribution is also more fragmented (no single distributor can cover every orphan drug), so we may see a balance between big players and niche firms. Continued growth in oncology, cell therapies, and antibody drugs is likely to drive revenue growth for wholesalers.
- Technology and Supply Chain Innovation:** Distributors continuously adopt new technology to improve efficiency and safety. This includes advanced warehouse automation (robotics, AI forecasting), serialization for verifying drug provenance, and data analytics platforms for inventory optimization. The DSCSA requires trading partners to implement interoperable, electronic package-level tracing for certain prescription drugs. FDA's current exemptions from certain section 582 requirements for small business dispensers run through November 27, 2027; a qualifying company owns a dispenser and has 25 or fewer full-time employees licensed as pharmacists or qualified as pharmacy technicians ([FDA](https://www.fda.gov)). Trading partners that do not qualify may request a waiver, exception, or exemption. Penalties depend on the specific statutory violation and, for criminal penalties under 21 U.S.C. § 333(a), whether there is a prior conviction or intent to defraud or mislead ([21 U.S.C. § 333](https://www.law.cornell.edu/ucc/21usc/21usc333.html)). McKesson's May 2025 announcement to spin off its Medical-Surgical Solutions segment into an independent company (www.mckesson.com) points to capital reallocation toward its core pharmaceutical distribution and technology businesses. These companies also collaborate on shared standards (like electronic ordering systems) to reduce costs. Nonetheless, any major cybersecurity incident or IT failure at a big distributor would pose systemic risks, so robust cyber defense and disaster planning are critical.
- Regulatory & Policy Changes:** Government actions are actively reshaping distribution economics. The **340B drug discount program** remains subject to policy and litigation developments. On February 10, 2026, a federal district court vacated and remanded HRSA's 2025 340B Rebate Model Pilot Program notices and related manufacturer approvals; the related RFI closed on April 20. HRSA announced a revised rebate-model pilot on July 31, 2026 ([HRSA 340B Rebate Model Pilot Program](https://www.hrsa.gov/340b-rebate-model-pilot-program)). Changes to 340B could significantly alter margins for drugs flowing through hospital and clinic channels. International trade policy is another variable: since these distributors also import and export medicines, changes in tariffs, trade agreements, or U.S. drug importation laws could shift flows. Healthcare consolidation (more hospital mergers, more vertically integrated insurers) might also lead some systems to consider partial self-distribution or exclusive deals, which could slightly chip away at the Big Three's share. However, as long as regulation maintains a national wholesale licensing structure and no new entrants emerge with a radically different model, the status quo is likely to persist.
- Competitive Threats and New Entrants:** While Amazon and other tech companies have so far been cautious, any disruption (e.g. a successful inventory-less pharmacy model, or a blockchain-based open supply platform) could threaten the incumbents' margins. Still, building a true alternative network would be extraordinarily difficult and time-consuming. More plausible is that the Big Three themselves will

evolve by partnering with or acquiring innovative startups. They have done so in areas like oncology clinical research (McKesson & HCA joint oncology research venture) and digital health platforms. Thus, rather than ceding ground, the Big Three are likely to use their war chests (free cash flow in the billions annually) to maintain their positions.

- **Market Consolidation Trends:** It is conceivable that the Big Three could consolidate further (e.g. by merging with each other), though regulatory hurdles would be immense. More likely, each will continue absorbing smaller players, particularly in the **specialty MSO space**, as demonstrated by Cencora's \$4.6B acquisition of Retina Consultants of America and Cardinal's \$1.9B Solaris Health deal, both completed in 2025, and Cencora's February 2026 acquisition of a majority of OneOncology ([Cencora 10-Q](#)). This trend of integrating physician practices that prescribe high-cost specialty drugs represents a new frontier for distributor consolidation beyond traditional wholesale. From a policy standpoint, antitrust authorities may continue to review each transaction, but given the high barriers to entry (need for nationwide cold-chain infrastructure, license networks, etc.), it's unclear whether breaking up these giants would improve competition.

In sum, the pharmaceutical wholesale distribution market has stabilized into a three-firm field, valued for its national logistics platform. Future changes will likely come from **within** the system (new drugs, new tech, internal restructuring) rather than a fundamental reshuffling of market power. Industry observers note that the Big Three are “**bracing for a new era of healthcare delivery**” (www.morningstar.com), which suggests they are anticipating rather than subverting major shifts. Their dominant role in the supply chain means that any significant change, good or bad, in U.S. drug access will likely involve these companies.

Data Analysis and Evidence

Extensive data from company financials, market research, and industry reports underpin this analysis. Key evidence includes:

- **Market Share Data:** Drug Channels Institute (a leading industry research firm) has published quantitative charts of distributor revenues over time (www.drugchannels.net) and estimates Big Three channel share growing from 87% (in 2013) to 95% (in 2018) (www.drugchannels.net). The Deloitte/PharmaCommerce figures (92% share by 2017) (www.pharmaceuticalcommerce.com) reinforce this trend. Morningstar (May 2025) explicitly notes >90% share (www.morningstar.com). These independent estimates converge on the same conclusion of very high concentration.
- **Financial Reports:** The companies' SEC filings and press releases provide raw revenue and segment data. For example, McKesson's FY2025 press release (www.mckesson.com) gives the \$359.1B figure. Cardinal's FY2025 release (newsroom.cardinalhealth.com) discloses \$222.6B. Cencora's FY2025 release (investor.cencora.com) reports \$321.3B. We cited these directly for Table 1. Profit margins, SG&A costs, and cash flows are also published. For instance, McKesson generated \$5.2B in free cash flow in FY2025 and \$5.4B in FY2026 (www.mckesson.com).
- **Industry Reports and News:** Numerous third-party analyses and news articles have documented trends. Drug Channels Institute's blog is an authoritative source on distribution economics (www.drugchannels.net) (www.drugchannels.net). Trade outlets like *Pharmaceutical Commerce* provide

qualitative insights and additional stats (e.g. Fortune 500 rankings (www.pharmaceuticalcommerce.com), specialty drug definitions (www.pharmaceuticalcommerce.com)). Reputable news agencies (Reuters, AP, etc.) supply the view of outside observers, as in the Pfizer/Moderna vaccine and opioid litigation stories (www.reuters.com) (www.reuters.com). Even stock analysis blogs (like Morningstar) corroborate the key facts about market structure (www.morningstar.com). We have relied heavily on such sources, with cited quotations available for every major claim.

- **Case Data:** The case studies draw on litigation filings and settlements. For example, the figures for Baltimore's opioid verdict (www.reuters.com) come from Reuters's reporting. The DOJ settlements in 2017 were reported by Pacific Standard and via official DOJ sources (psmag.com). The COVID-19 distribution details are from contemporaneous news coverage (www.reuters.com). These factual accounts give concrete examples of how distribution concentration manifested in real-world events.

Together, the data present a consistent picture: the Big Three wholesalers collectively move nearly all prescription medicines in the U.S. market, operate on razor-thin margins that fluctuate with the drug mix, and wield substantial influence over the supply chain. The discussion draws on a mix of company disclosures, government materials, industry analyses, and news reporting.

Conclusion

In summary, industry analyses estimate that McKesson, Cencora, and Cardinal Health account for more than 90% of U.S. drug-distribution revenue (www.morningstar.com) (www.drugchannels.net). Their latest reported fiscal-year consolidated revenue (McKesson FY2026, Cencora FY2025, Cardinal Health FY2026) totals approximately **\$978.9 billion** (FY2025: **\$903.0 billion**), but that sum includes non-distribution businesses, combines different fiscal-year ends, and is not the size of the wholesale-distribution market.

This concentration yields both benefits and concerns. On the positive side, it means a coordinated, nationwide network capable of delivering vast quantities of medications efficiently and (in normal times) reliably. It has facilitated rapid responses in crises like the COVID-19 vaccine rollout (www.reuters.com). The firms' scale allows substantial investment in supply chain technology. On the other hand, it concentrates risk and power. The Big Three have been held to account in opioid litigation for the outsized role they play in the flow of controlled substances (psmag.com) (www.reuters.com). Independent pharmacies worry about dependency on a few suppliers. Policymakers debate whether such an oligopoly is healthy or needs oversight.

Looking forward, the wholesalers are evolving but are unlikely to lose their grip anytime soon. They are expanding aggressively into specialty drugs and physician management services (as seen in Cencora's \$4.6B RCA acquisition and Cardinal's \$1.9B Solaris deal), while DSCSA traceability requirements reshape supply chain compliance and governments weigh drug pricing reforms and new delivery models. Still, any major change in the pharmaceutical distribution landscape, whether technological, regulatory, or competitive, will revolve around how these three companies adapt. As one trade observer notes, "Within pharma distribution today, it's pretty much 'go big, go niche, or go home'" (www.pharmaceuticalcommerce.com). The Big Three have clearly bet on the "go big" strategy, and for now that appears to be the status quo in America's drug supply chain.

Sources: Data in this report are drawn from company financial statements and press releases (www.mckesson.com) (newsroom.cardinalhealth.com) (investor.cencora.com), industry analyses (www.drugchannels.net) (www.pharmaceuticalcommerce.com) (www.morningstar.com), reputable news coverage (www.reuters.com) (www.reuters.com) (psmag.com) (apnews.com), opioid settlement data (nationalopioidsettlement.com), and public documents. The cited sources support the specific claims for which they are provided. Together, they document the high concentration of the U.S. drug wholesale market.

Source links

Links cited in this article, in order of first appearance. Full addresses are provided for readers using extracted text.

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