

What's shaping omnichannel fulfillment strategies?

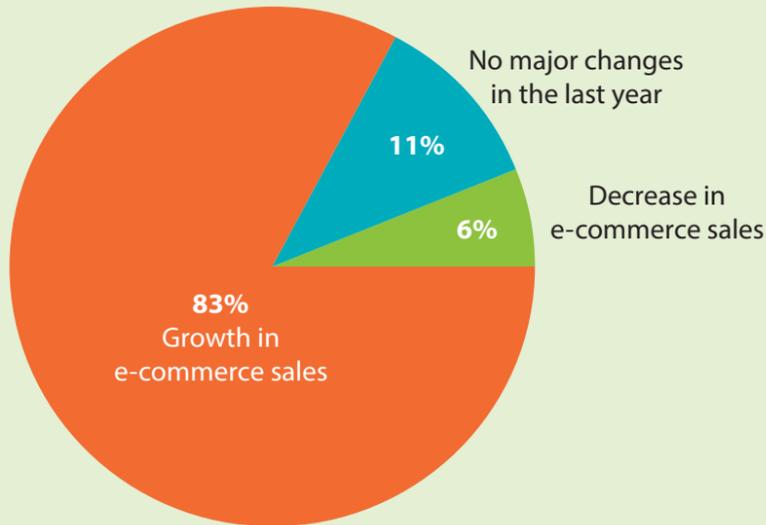
BY DR. EVA PONCE, DIRECTOR, MIT CENTER FOR TRANSPORTATION & LOGISTICS

When the pandemic hit, retailers responded, rolling out new capabilities and services to accommodate the swelling ranks of online shoppers. But it turns out their work wasn't over. As the pandemic receded and consumers began to return to stores, the retail landscape once again shifted, presenting supply chain professionals with a whole new set of challenges.

So what were these challenges and where are retailers feeling the pain? A new survey conducted by the Massachusetts Institute of Technology (MIT) Center for Transportation & Logistics in partnership with DC VELOCITY examines the forces that shaped retailers' omnichannel fulfillment strategies last year. Here are some of the main findings:



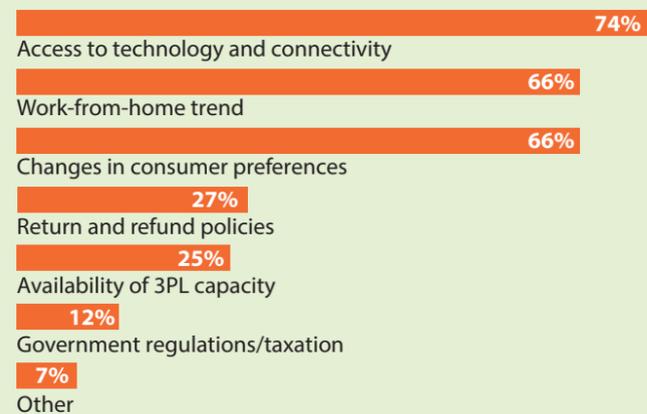
E-commerce market trends in 2022



Most respondents (83%) reported seeing growth in e-commerce sales in the past year. A major driver was access to technology and connectivity, not surprising given that about 70% of all shopping events started online with customers exploring options on their personal devices. Other key drivers were pandemic-related work-from-home demands and changing consumer preferences.

Factors driving e-commerce sales

(Respondents were asked to indicate their top three reasons)



Top areas impacted by e-commerce growth

(% of responses, multiple answers accepted)



In our previous (2021) study, respondents' top concern was how to respond to the spike in e-commerce. This year, the focus appears to have shifted to improving efficiency and working out operational issues. For example, previously, network design was a top priority as companies worked to achieve the flexibility required to cope with the e-commerce explosion. In the latest survey, "network design" slipped to sixth position in the rankings, largely because these flexibility goals have been achieved.

Top challenges facing retailers in shaping their omnichannel distribution strategies

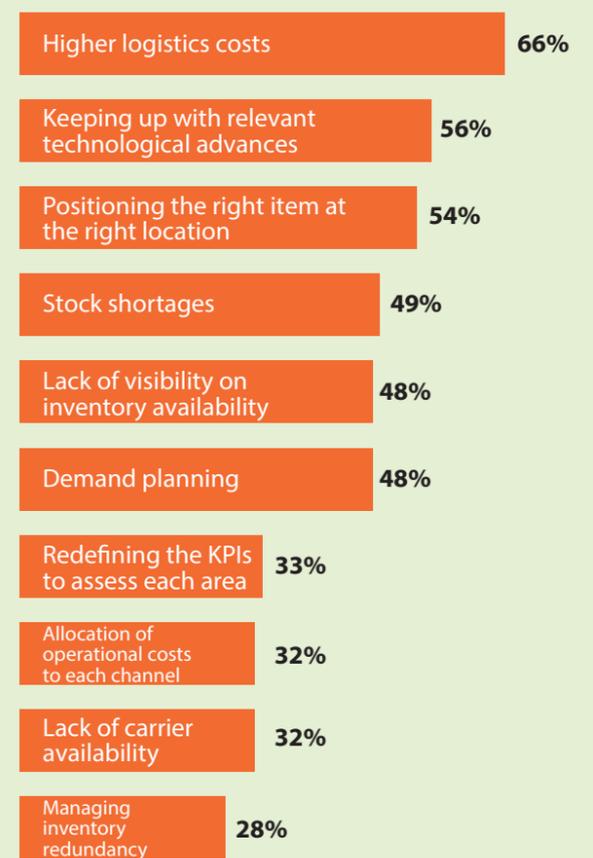
(% of responses, multiple answers accepted)



Top-of-mind challenges include the integration of channels and refining the company's strategy for providing a seamless consumer experience. "Deciding how to allocate inventory" gained ground, as did "deciding how to deliver products." Driver shortages impacted last-mile deliveries, so it's not surprising that 40% of the respondents identified "how to deliver" as a significant challenge.

Main pain points facing retailers today

(% of responses, multiple answers accepted)



Given the state of the economy last year, it's no surprise that survey respondents identified higher logistics costs as their main pain point. Keeping pace with relevant technological advances also remained a concern.

About the study: Conducted and analyzed by Dr. Eva Ponce at the MIT Center for Transportation & Logistics (MIT CTL), the 2022 edition of the "How is omnichannel transforming retailers' supply chains?" survey explored how the rapid increase in e-commerce has shaped omnichannel fulfillment strategies over the past 18 months. The project surveyed 150 logistics, warehousing, and supply chain professionals from a variety of industry sectors—including retail, consulting/support services, and third-party logistics—in November 2022. To learn more about the study's results, contact Dr. Eva Ponce, founder of the MIT CTL Omnichannel Distribution Strategies Lab, at eponce@mit.edu.