

TDWI INFOGRAPHIC

TDWI BEST PRACTICES REPORTS THE MODERNIZATION OF THE DATA WAREHOUSE



TDWI'S BEST PRACTICES REPORT:
DATA WAREHOUSE
MODERNIZATION

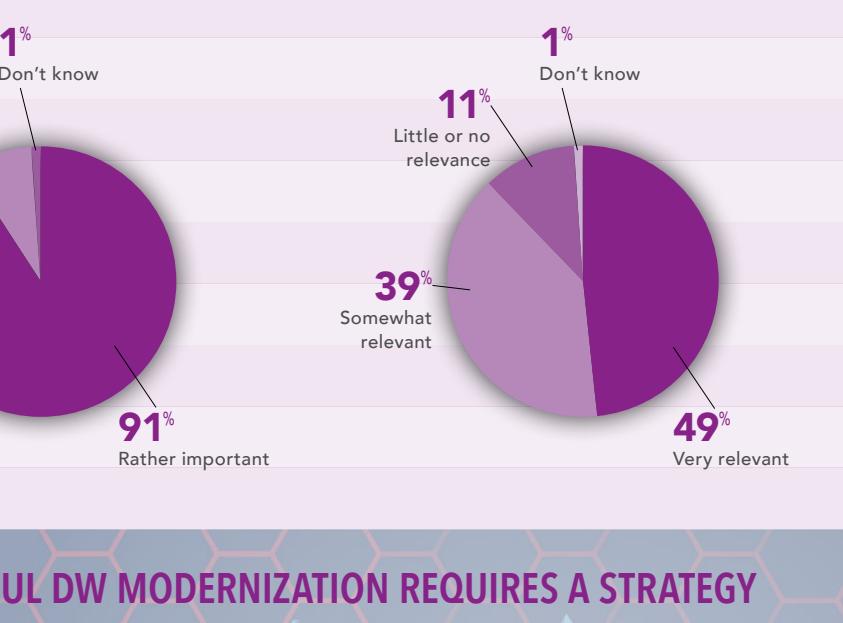
As any data warehouse professional can tell you, the data warehouse (DW) is today evolving, extending, and modernizing to support new technology and business requirements as well as to prove its continued relevance in the age of big data and analytics. This process has become known as *data warehouse modernization*. Synonyms include DW augmentation, automation, and optimization.

Every user organization and its DW is a unique scenario, so every modernization program is, too. Even so, a few common situations, drivers, and outcomes have arisen.

Unless otherwise noted, the facts presented here are from the *TDWI Best Practices Report: Data Warehouse Modernization in the Age of Big Data Analytics*, online at tdwi.org/bpreports. Not all charts sum to 100% due to rounding or multiple answers per survey respondent.

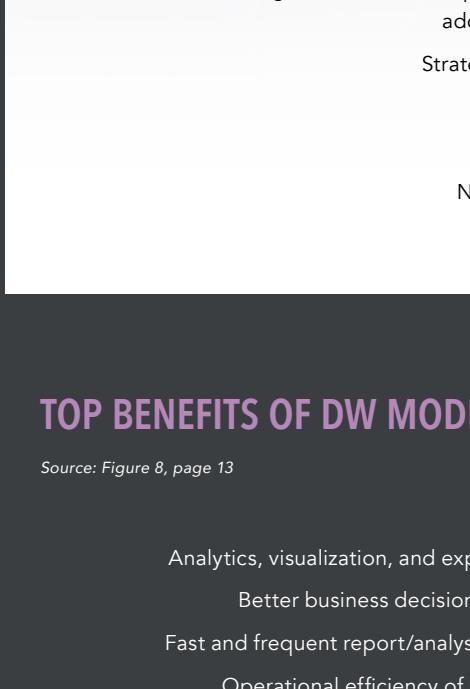
TOP 10 DRIVERS FOR THE MODERNIZATION OF THE DATA WAREHOUSE

Source: Figure 1, page 7



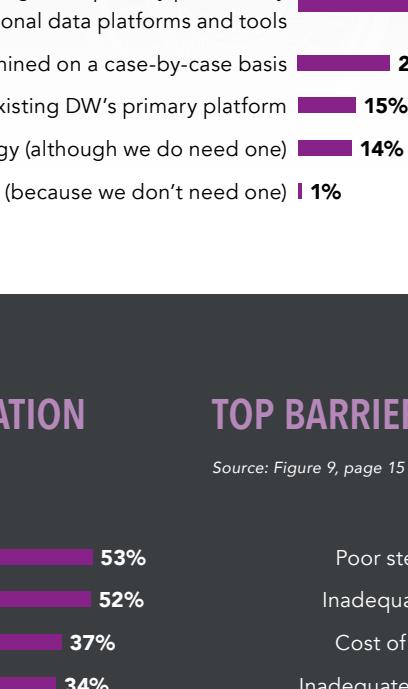
How important is data warehouse modernization?

Source: Figure 2, page 8



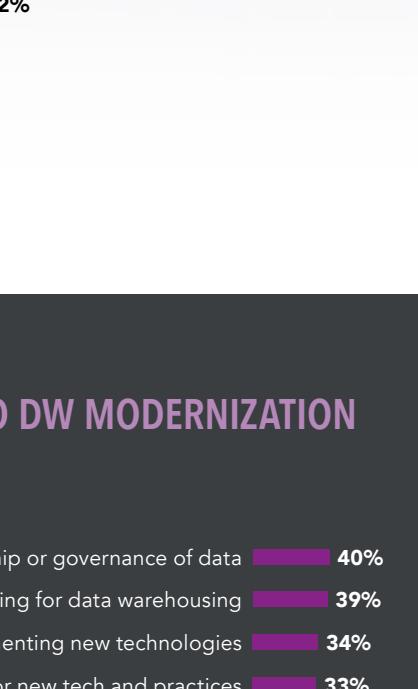
Is your data warehouse still relevant to your business?

Source: Figure 6, page 11



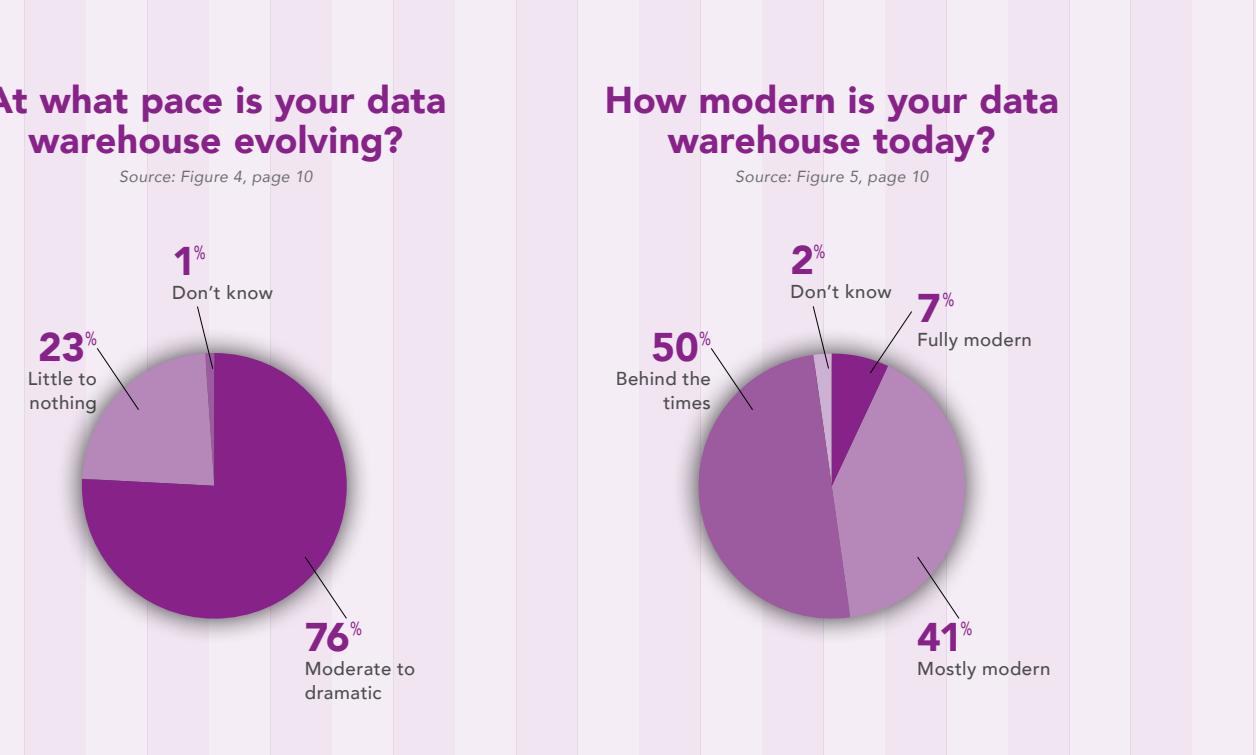
What is the state of your DW-to-business alignment?

Source: Figure 13, page 19



SUCCESSFUL DW MODERNIZATION REQUIRES A STRATEGY

Source: Figure 11, page 18



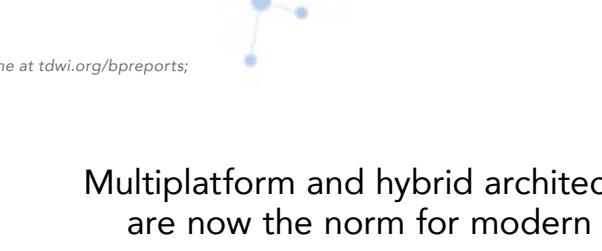
TOP BENEFITS OF DW MODERNIZATION

Source: Figure 8, page 13



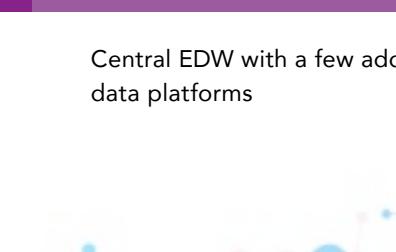
TOP BARRIERS TO DW MODERNIZATION

Source: Figure 9, page 15



At what pace is your data warehouse evolving?

Source: Figure 4, page 10



How modern is your data warehouse today?

Source: Figure 5, page 10



MOST MODERN DATA WAREHOUSES HAVE MULTPLATFORM AND HYBRID ARCHITECTURES

Source: TDWI Best Practices Report: Evolving Data Warehouse Architectures in the Age of Big Data, online at tdwi.org/bpreports; Figure 10, page 19

The monolith was the norm in the 1990s. It's now rare and declining.

Single monolithic DW with no other data platforms

Central DW with many additional data platforms

No true DW, but many workload-specific data platforms instead

15%

37%

16%

15%

15%

Other (2%)

Central EDW with a few additional data platforms

Many workload-specific data platforms w/non-central EDW

Other

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