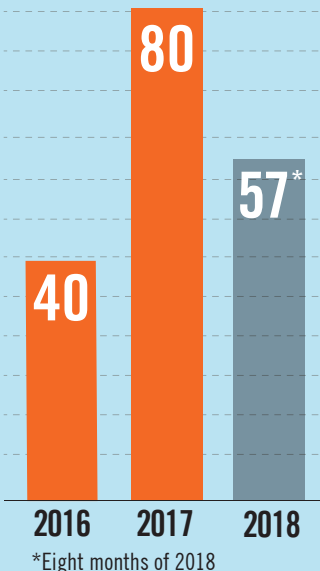


ORPHAN DRUG TRENDS IN 2017



In 2017, the FDA approved **80** orphan indications.

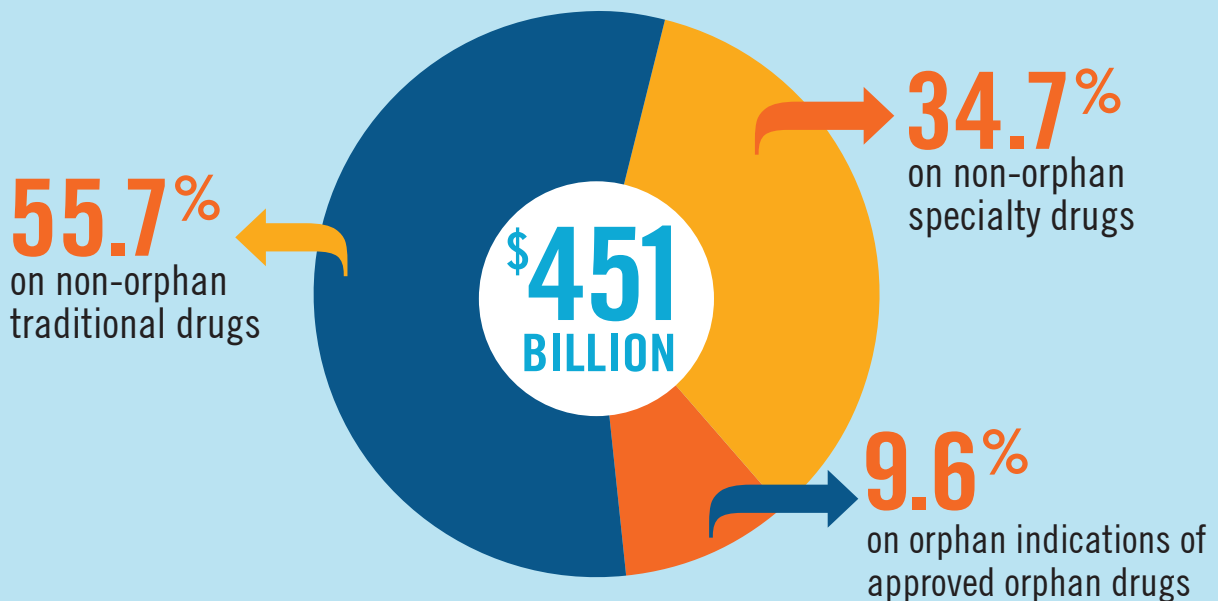
In 2018, as of August, **57** orphan indications have been approved.

SHATTERING PREVIOUS RECORDS!

In 2017, the median annual cost for the top ten orphan therapies used by the greatest number of patients was

LESS THAN \$10K

TOTAL DRUG SPENDING IN THE UNITED STATES IN 2017



A 1.7 percentage point increase over 2016. Orphan drugs remain less than 10% of the overall medicine budget.