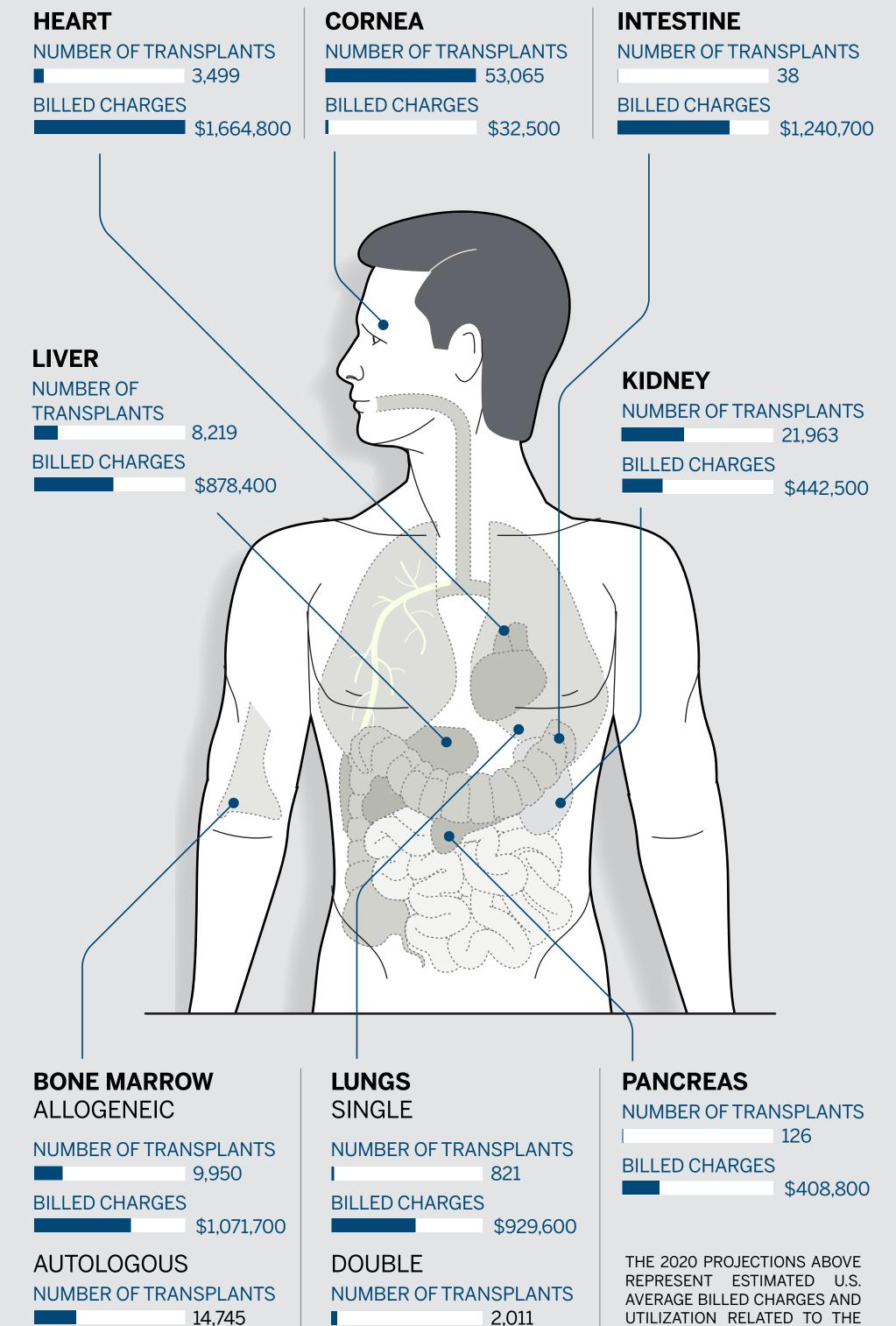
The cost of organ and tissue transplants in America

rgan and tissue transplants are a vital but expensive healthcare service in the U.S., and there is little research available that measures transplant cost trends. The 2020 edition of Milliman's triennial report provides a better understanding for providers, insurers, and consumers of the projected 2020 billed charges and utilization associated with organ transplantation.

2020 PROJECTIONS FOR THE ANNUAL NUMBER OF TRANSPLANTS IN THE U.S. AND AVERAGE BILLED CHARGES PER TRANSPLANT



Since our 2017 report, waiting times for a number of transplants have increased, some significantly.

CHANGE IN AVERAGE WAITING TIMES FOR ORGANS

BILLED CHARGES

HEART 191 **213 DAYS**



TRANSPLANT

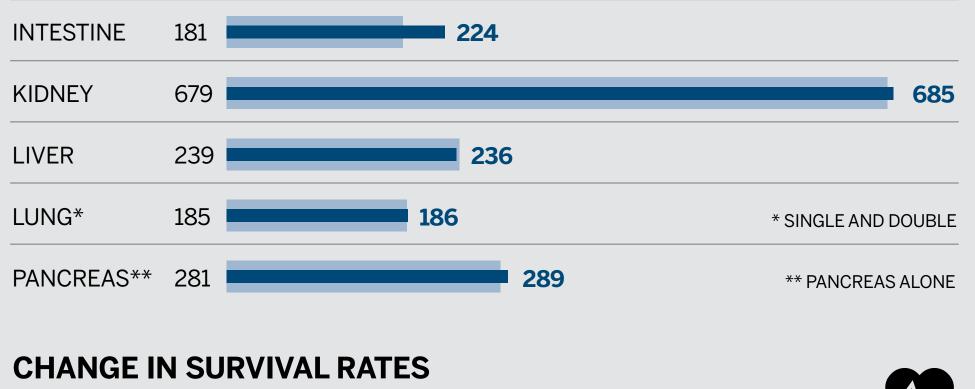
30 DAYS PRIOR THROUGH 180

AFTER

DAYS

ADMISSION.

\$1,295,900



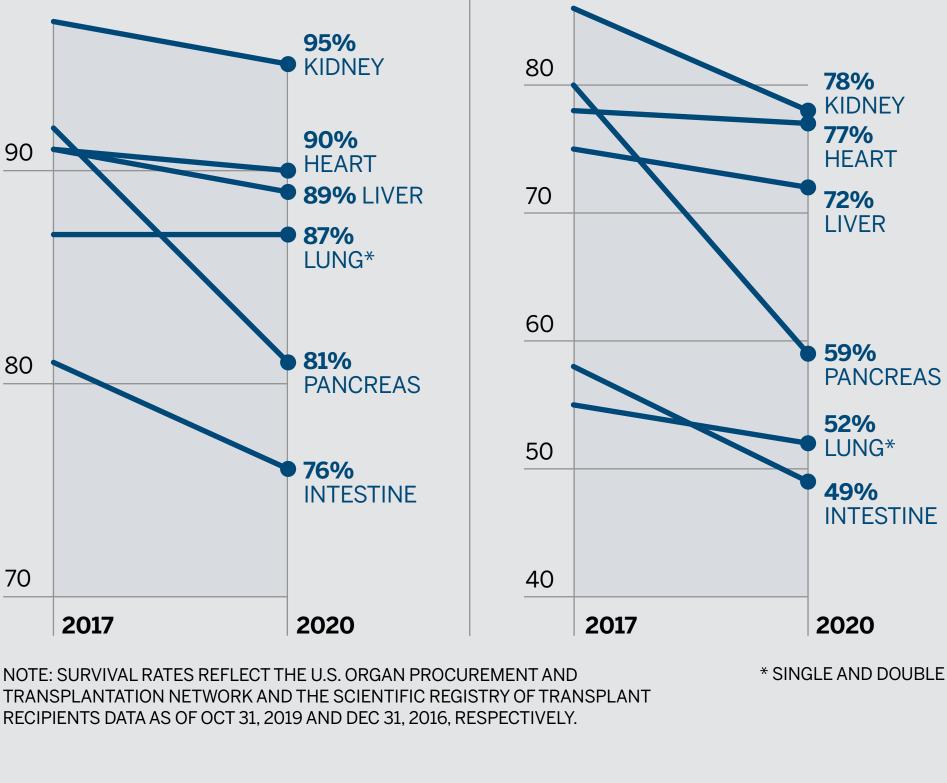
The decreases shown may be due to volatility arising from small volumes, changes in data or methodology, or other unknown reasons.

BILLED CHARGES

\$471,600

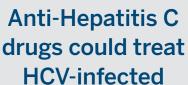
ONE-YEAR FIVE-YEAR 100% 90%

Since our 2017 report, patient survival rates appear to have generally decreased.



To combat growing waitlists and shortages, there are a variety of emerging innovations and ideas around organ transplants and viability.

EMERGING INNOVATIONS IN ORGAN VIABILITY



HCV-infected organs, thereby increasing organ availability.



stem cells.

Researchers are exploring the use of bioengineering and xenotransplantation to create new organs from tissue, animal organs, 3-D printing, and potentially human



New technologies may emerge for rehabilitating marginal organs to make them suitable for transplantation.



milliman.com/transplant-report