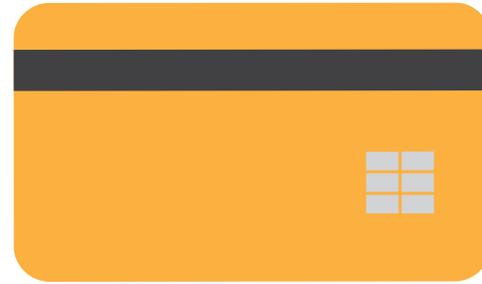


In order to measure the consumer experience at the merchant for its clients, TSG calculates the percentage of authorizations that have failed in a given time period. This is different than transactions success rates, which requires two authorizations to fail simultaneously.

The illustration uses data from August and September (a sample of over 250,000 transactions) to estimate the number of failed transactions and lost sales for merchants (and volume for payments providers) in the U.S. over this two month period.

Authorization Failures

August-September 2018



31,210,354

Failed Transactions



\$2,496,828,330

Lost Sales