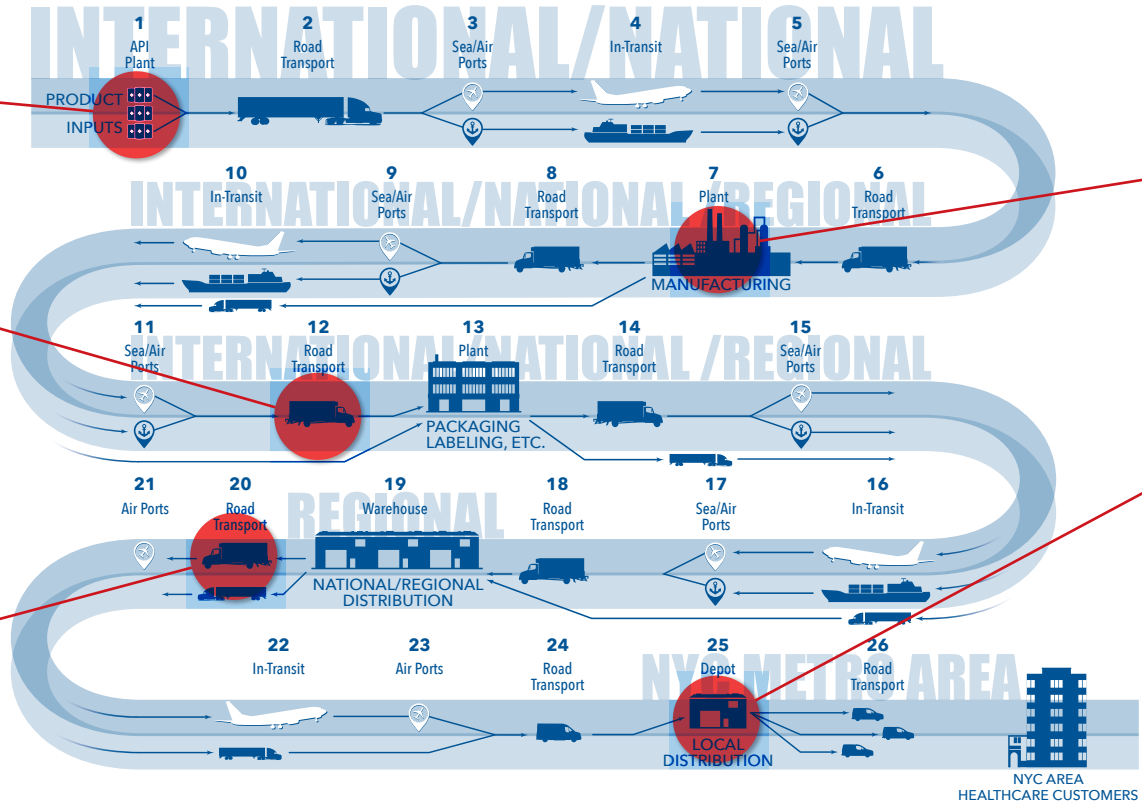# Examples of Where Temperature Management can be Disrupted

Large scale power outages in China that threaten mass production and handling of temperature-sensitive pharmaceutical APIs.

Natural disaster in Europe impacting road movement of temperature-sensitive pharmaceuticals to packaging/labeling facilities.

Series of cyber attacks on the grid leads to competition for and shortages of cold storage packaging used on pharmaceutical delivery trucks.

Earthquake in India that damages clusters of pharmaceutical manufacturing plants and overwhelms capabilities for emergency product cooling.

Last mile courier locations are extensively damaged from a large coastal storm creating complications in final delivery of temperature-sensitive products.

INTERNATIONAL/NATIONAL

1 API Plant
2 Road Transport
3 Sea/Air Ports
4 In-Transit
5 Sea/Air Ports

PRODUCT INPUTS

INTERNATIONAL/NATIONAL/REGIONAL

10 In-Transit
9 Sea/Air Ports
8 Road Transport
7 Plant
6 Road Transport

MANUFACTURING

INTERNATIONAL/NATIONAL/REGIONAL

11 Sea/Air Ports
12 Road Transport
13 Plant
14 Road Transport
15 Sea/Air Ports

PACKAGING LABELING, ETC.

REGIONAL

21 Air Ports
20 Road Transport
19 Warehouse
18 Road Transport
17 Sea/Air Ports
16 In-Transit

NATIONAL/REGIONAL DISTRIBUTION

NYC METRO AREA

22 In-Transit
23 Air Ports
24 Road Transport
25 Depot
26 Road Transport

LOCAL DISTRIBUTION

NYC AREA HEALTHCARE CUSTOMERS