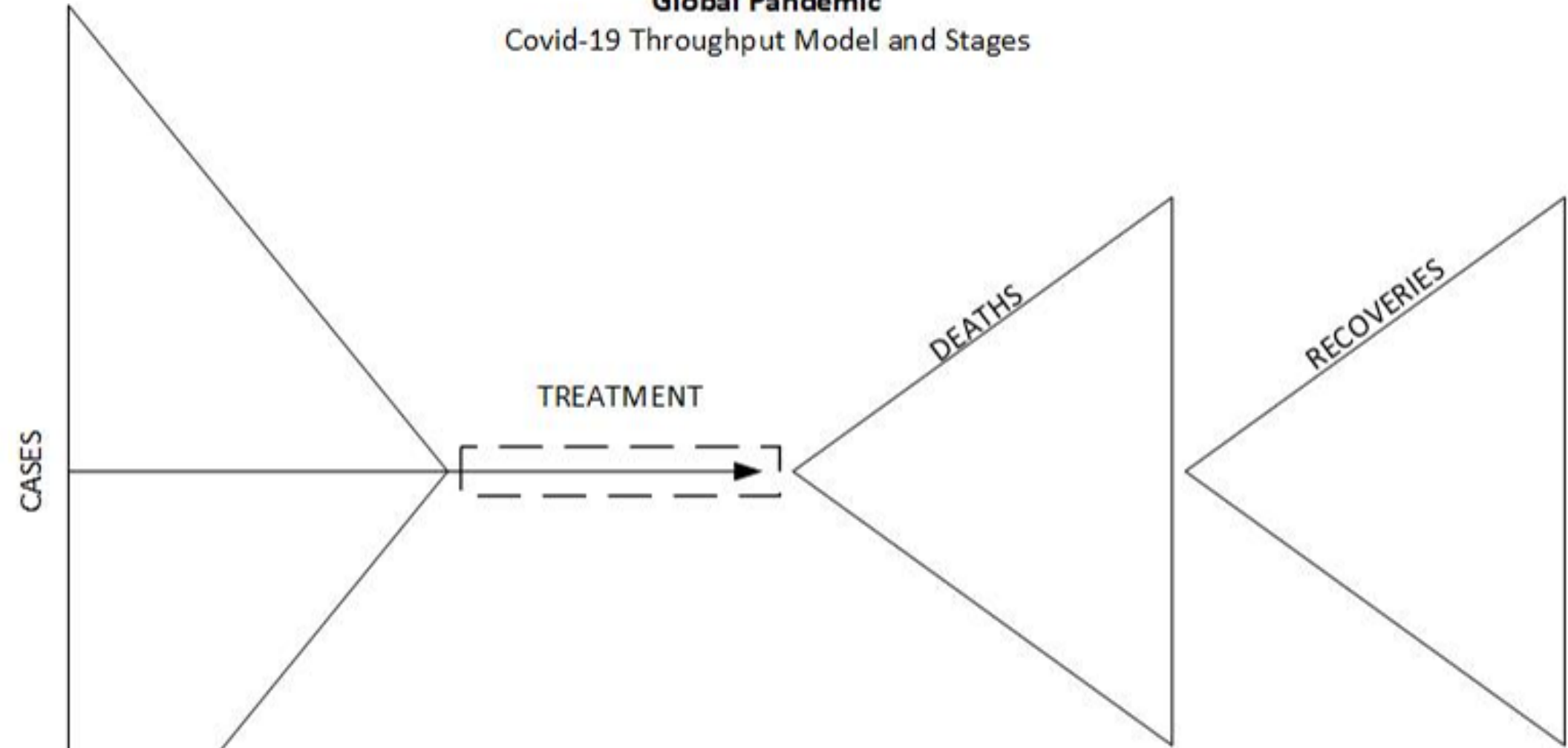


**Global Pandemic**  
Covid-19 Throughput Model and Stages



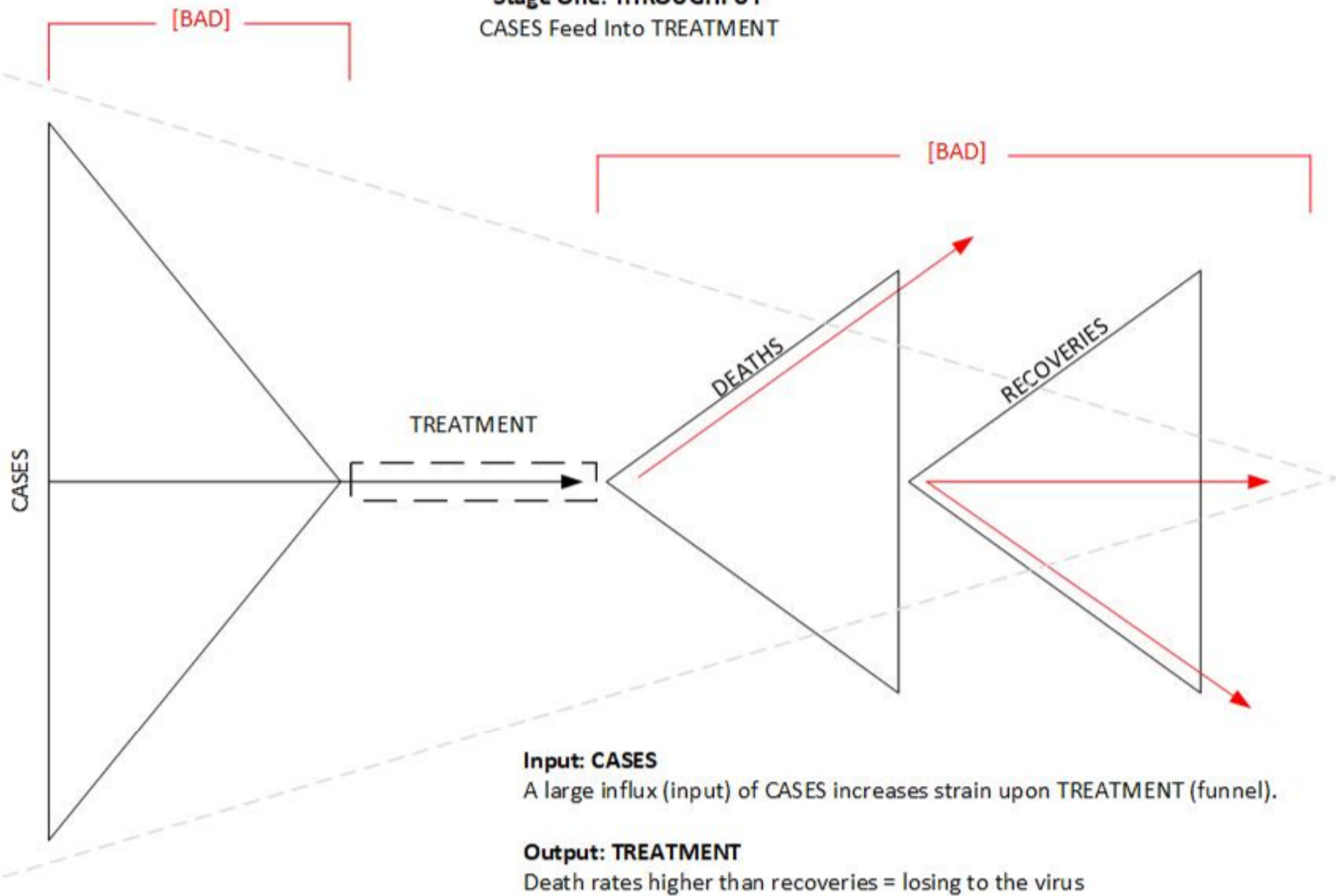
**Input: CASES**

A large influx (input) of CASES increases strain upon TREATMENT (funnel).

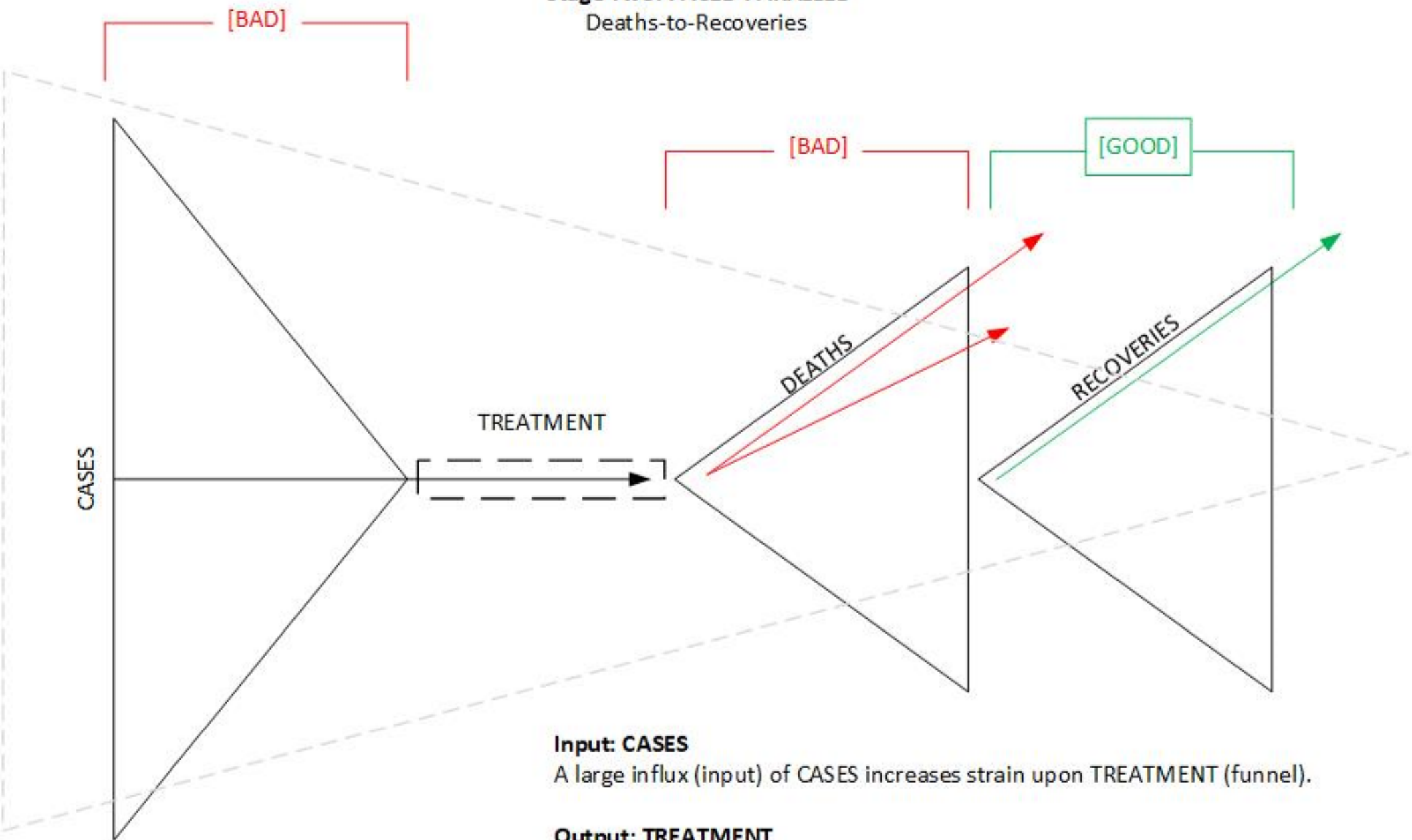
**Output: TREATMENT**

Death rates higher than recoveries = losing to the virus

**THROUGHPUT MODEL**  
**Stage One: THROUGHPUT**  
CASES Feed Into TREATMENT



**THROUGHPUT MODEL**  
**Stage Two: PACED PARALLEL**  
Deaths-to-Recoveries



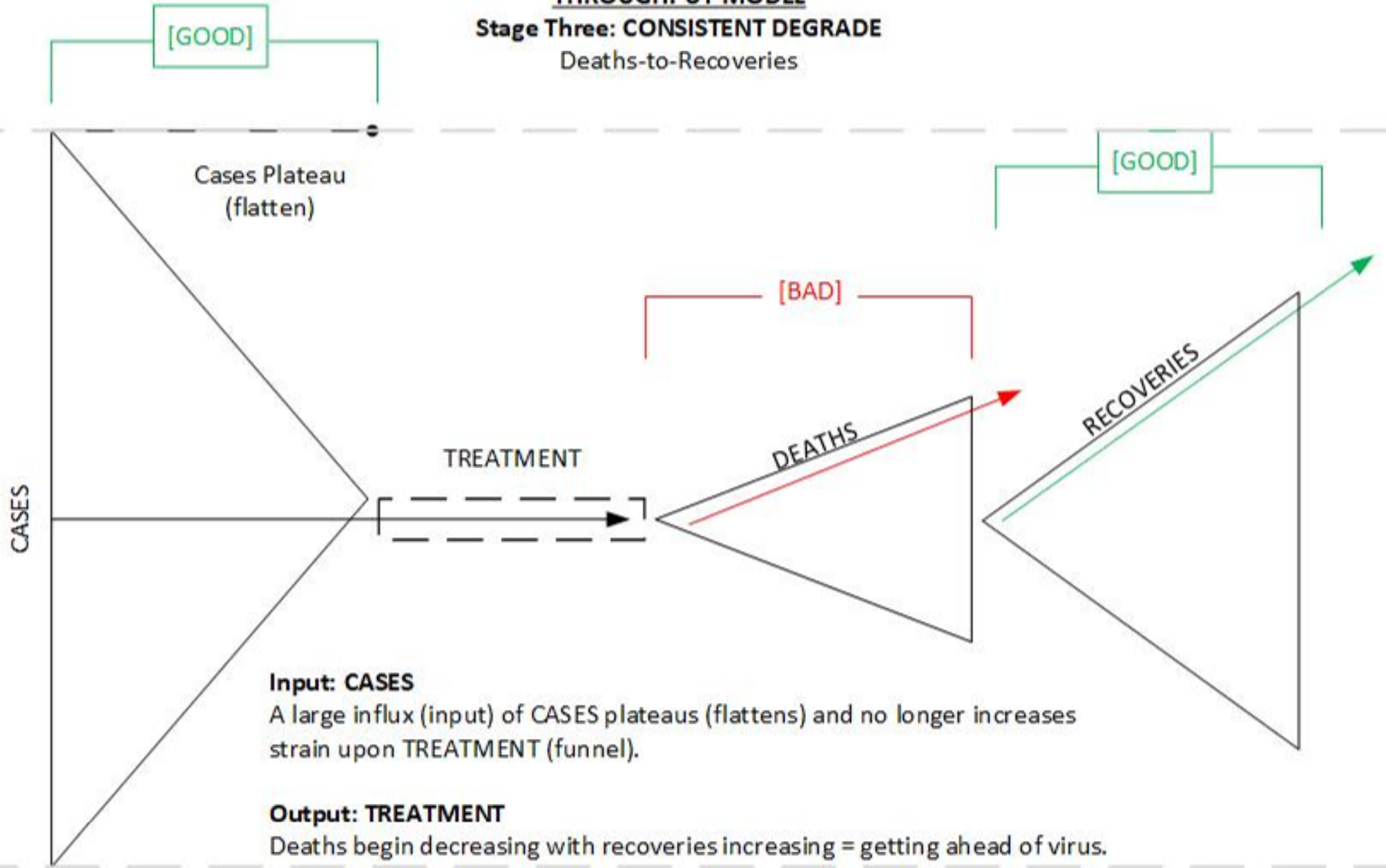
**Input: CASES**

A large influx (input) of CASES increases strain upon TREATMENT (funnel).

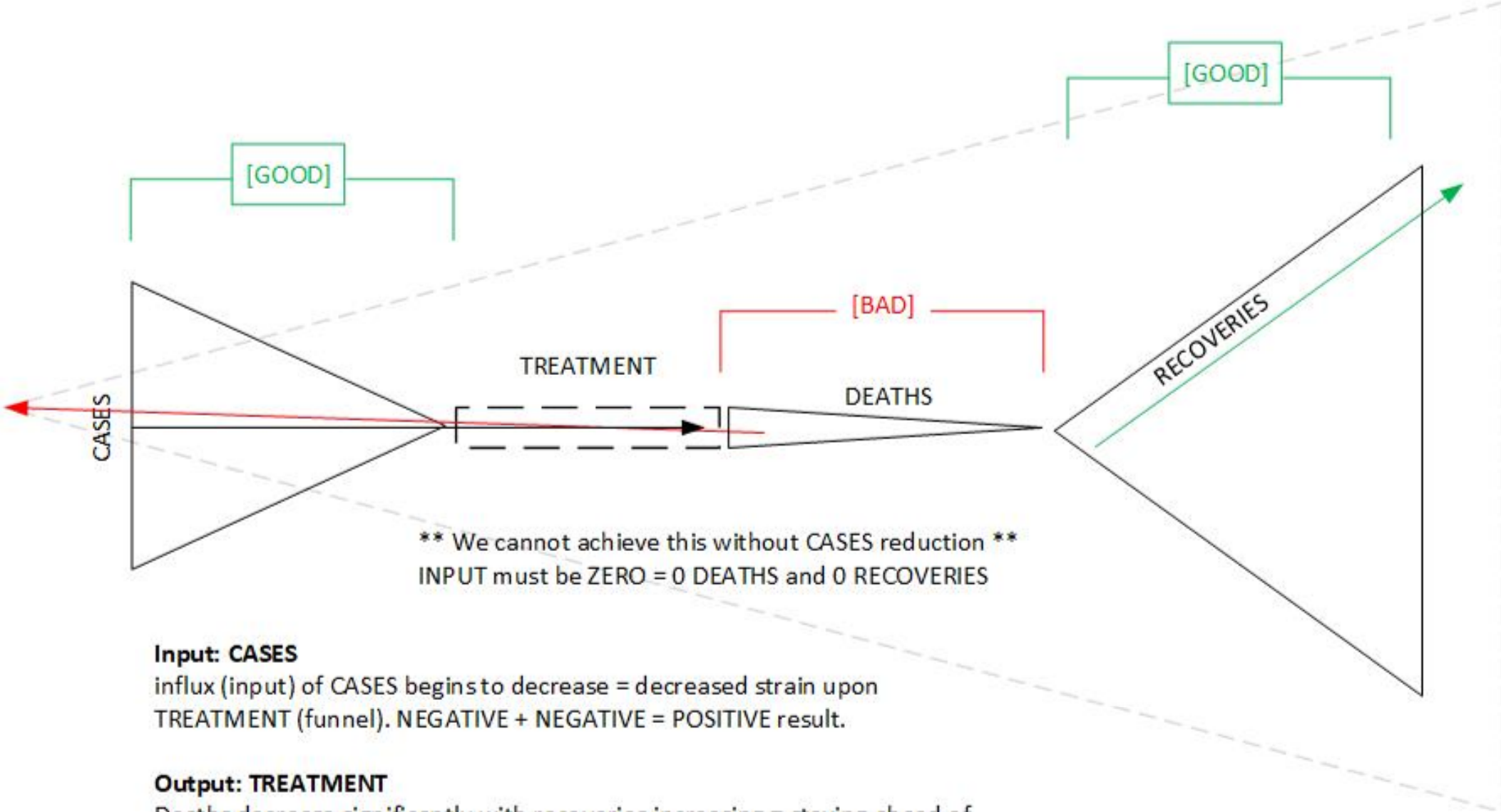
**Output: TREATMENT**

Death rates equal or lesser than recoveries = keeping pace with or gaining ahead of the virus.

**THROUGHPUT MODEL**  
**Stage Three: CONSISTENT DEGRADE**  
Deaths-to-Recoveries



**THROUGHPUT MODEL**  
**Stage Four: SIGNIFICANT DEGRADE**  
Deaths-to-Recoveries



**Input: CASES**

influx (input) of CASES begins to decrease = decreased strain upon TREATMENT (funnel). NEGATIVE + NEGATIVE = POSITIVE result.

**Output: TREATMENT**

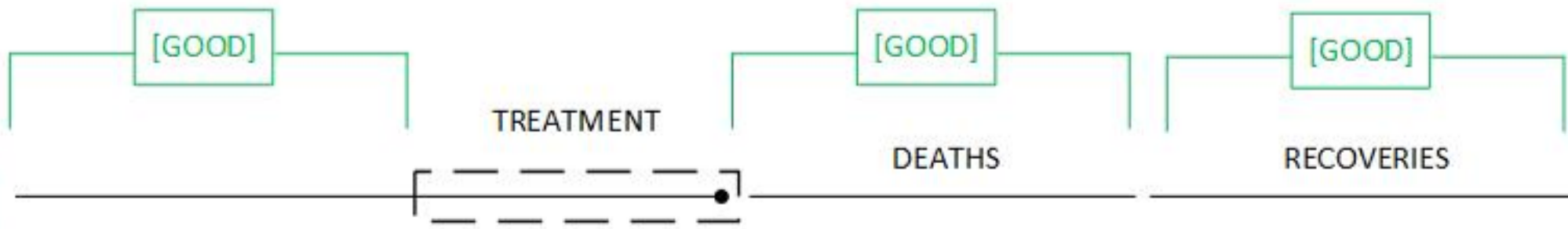
Deaths decrease significantly with recoveries increasing = staying ahead of virus.

**THROUGHPUT MODEL**

**Stage Five: RECOVERY**

Deaths-to-Recoveries

VACCINE



**Input: CASES**

No further influx of CASES = no strains upon treatment.

**Output: TREATMENT**

No further DEATHS resultant in no further need for RECOVERIES.