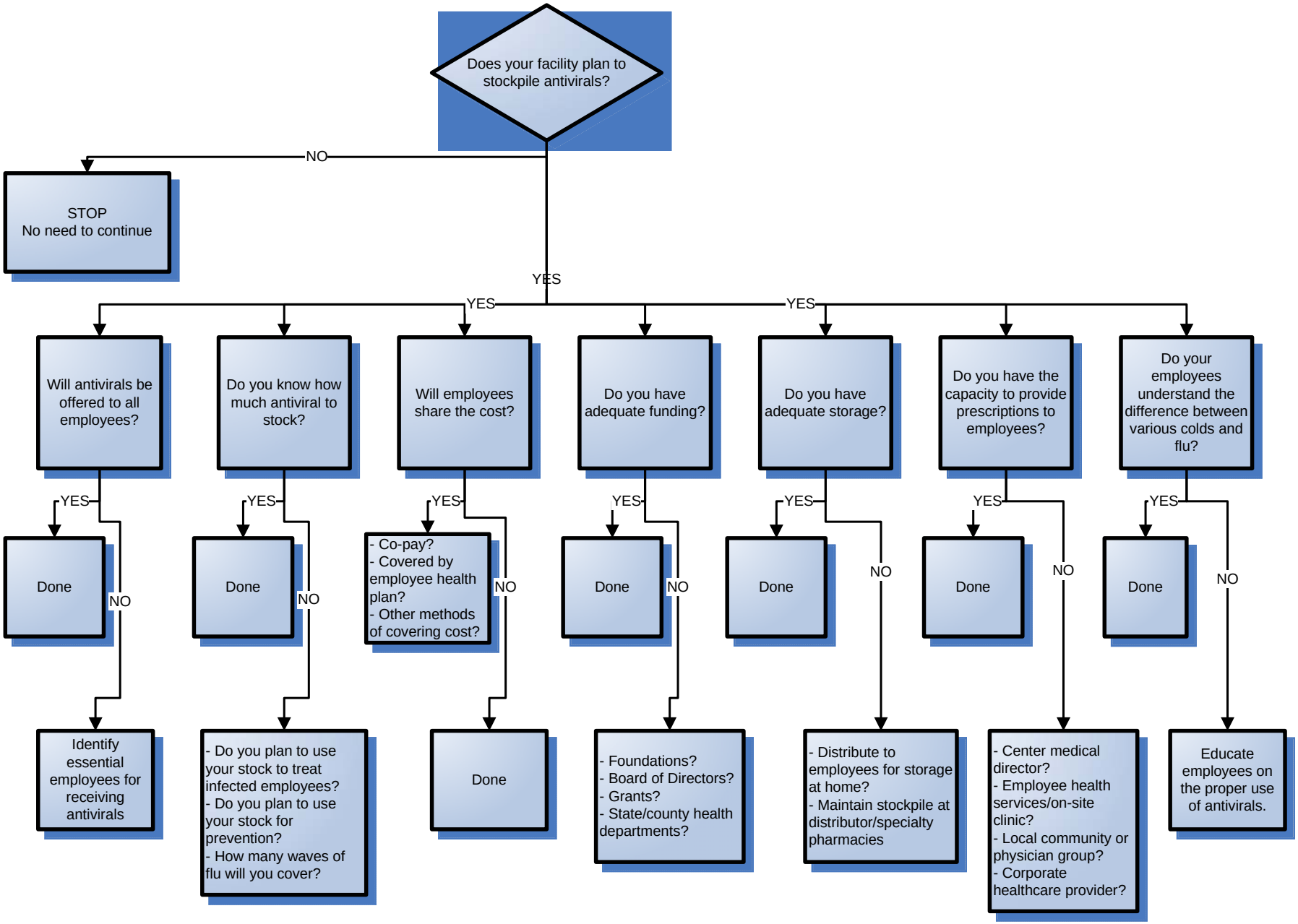Stockpiling Antivirals Planning Algorithm