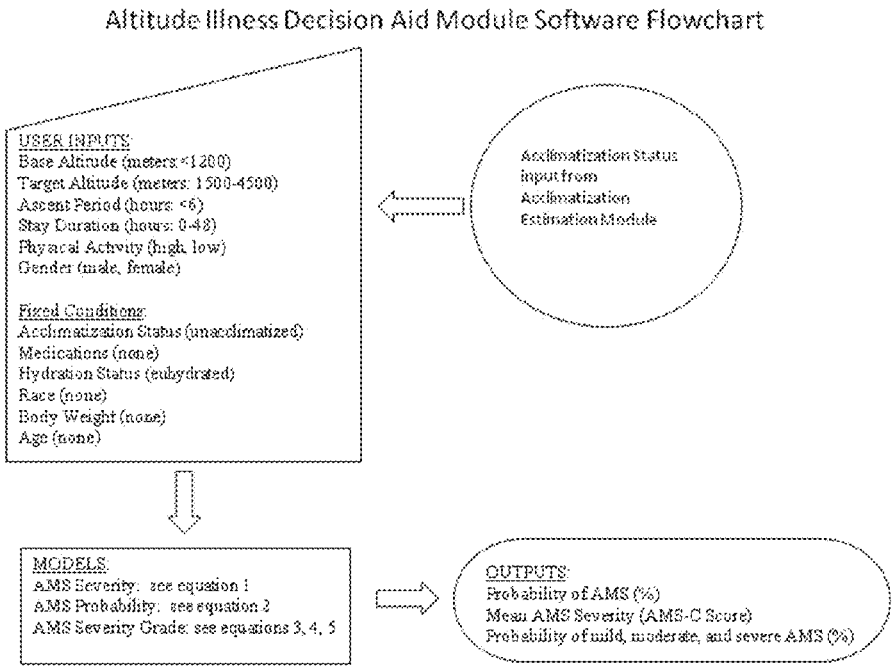
Altitude Illness Decision Aid Module Software Flowchart
USER INPUTS:
Base Altitude (meters <1200)
Target Altitude (meters: 1500-4500)
Ascent Period (hours: <6)
Stay Duration (hours: 0-48)
Physical Activity (high, low)
Gender (male, female)
Fixed Conditions:
Acclimatization Status (unacclimatized)
Medications (none)
Hydration Status (euhydrated)
Race (none)
Body Weight (none)
Age (none)
Acclimatization Status input from Acclimatization Estimation Module
MODELS:
AMS Severity: see equation 1
AMS Probability: see equation 2
AMS Severity Grade: see equations 3, 4, 5
OUTPUTS:
Probability of AMS (%)
Mean AMS Severity (AMS-C Score)
Probability of mild, moderate, and severe AMS (%)

FIG 1