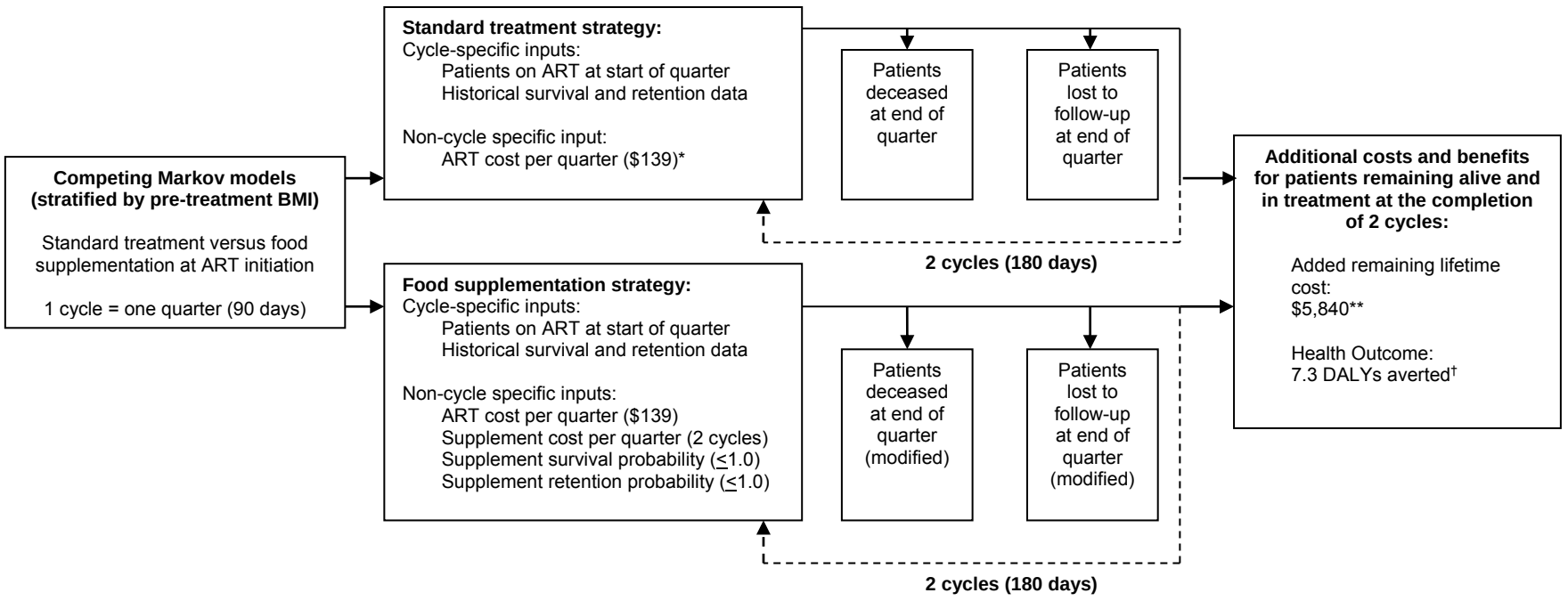
Competing Markov models (stratified by pre-treatment BMI)
Standard treatment versus food supplementation at ART initiation
1 cycle = one quarter (90 days)
Standard treatment strategy:
Cycle-specific inputs:
Patients on ART at start of quarter
Historical survival and retention data
Non-cycle specific input:
ART cost per quarter ($139)*
Patients deceased at end of quarter
Patients lost to follow-up at end of quarter
2 cycles (180 days)
Food supplementation strategy:
Cycle-specific inputs:
Patients on ART at start of quarter
Historical survival and retention data
Non-cycle specific inputs:
ART cost per quarter ($139)
Supplement cost per quarter (2 cycles)
Supplement survival probability (≤1.0)
Supplement retention probability (≤1.0)
Patients deceased at end of quarter (modified)
Patients lost to follow-up at end of quarter (modified)
2 cycles (180 days)
Additional costs and benefits for patients remaining alive and in treatment at the completion of 2 cycles:
Added remaining lifetime cost:
$5,840**
Health Outcome:
7.3 DALYs averted†