Introduction

- Cancer patients undergoing treatment
  - The successful mission completion/survival of warfighters
  - Technology to measure Performance Status (PS)
  - Current PS evaluation might be subjective[1], and patient-physician disagreement is associated with an increase in the risk of death.

- Exceptional development of sensors
  - 3D Camera sensor (Depth, Infrared, RGB, …)
  - Daily activity data from Wearable sensor[2]

- Multivariate Time Series (MTS) data analysis
  - High-dimensional MTS data visualization[3]
  - Skeletal Data – Human Motion data analysis[4]

Data Analysis & Visualization

Collected Data
- Band monitoring data
- Human motion skeletal data
- Self-report Outcomes

System

Home Remote Monitoring

- Band
- Bluetooth
- Smart Phone
- Wireless Network

In the Clinic / Site

- Voice to Exam Table
- Get up and Go
- walk and talk

Reference