

# Unit Two - Law and Order

## Building a health Care System (fulfills standard 3.12)

- Students are to design a health care system of their choice (use the systems diagram).
- Minimally the following parts of the system must be identified:
  - Identify the type of health care system you are designing.
    - Acute
    - Ambulatory
    - Home Health
    - Extended Care
  - Name your system
  - Input: Health care receives two types of inputs – Identify both.
    - Work inputs: patients requiring care. Identify specifically the demographics that you will be caring for. For example,
      - Children ages 1-16, diagnosed with cancer, requiring ambulatory care in a day based clinic.
      - Adults and children all ages, trauma, requiring emergency room care, 24 hour/day service.
    - Information inputs: needs of the community for health care and expectations of services. For example,
      - Parents and children expect information about the diagnosis of cancer, expect information about the treatment and care at home, expect the child to get better, fearful that the child will die.
  - Outputs: Health care outputs are classified into two major categories – Identify both.
    - Quantity and quality of the health care: how will patient health be changed or not changed by the health care system?
    - Satisfaction of the patient and staff with the health care.
  - Throughput: Identify within the following four categories the materials and resources your particular clinic or hospital will need in order to “transform” the input.
    - Information
    - Materials
    - Resources
    - Energy
  - Feedback Loop: Include patient satisfaction with care received.
  - Environment and environmental constraints:
    - Educational
    - Sociocultural
    - Legal/Political
    - Economic
  - Equilibrium: How do they maintain homeostasis?
    - Do they have contractual agreements for transfer of patients outside their scope of care to another care facility? (e.g. acute to sub-acute or home care; ambulatory to an acute care setting).
    - How are services paid for (e.g. insurance, Medicare, self pay, private pre-paid contracts)?

# Health Care Systems Model

Environment:

**Constraints:**  
Educational, Sociocultural,  
Legal/Political, Economic

