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Establishing Health Services

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Lecture Outline

- ◆ Section A: Health Needs
- ◆ Section B: Disease Focus vs. Health Focus
- ◆ Section C: What Should a Health System Be Able to Do in Emergencies?
- ◆ Section D: Manner of Providing Health Services
- ◆ Section E: Making Specific Decisions
- ◆ Section F: How Much of What Is Needed?



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Section A

Health Needs

What are the Health-Related Needs of the Displaced?

- ◆ When people are displaced to an area, what would cause them to become ill?
 - Diseases they brought with them
 - Diseases they acquired locally
 - Diseases related to changes in their circumstances

What Health Services Do Displaced Persons Need?

- ◆ Treatment of diseases and injuries
- ◆ Prevention of illness via medical means

<i>Primary Prevention</i>	Immunization against measles, meningitis, etc.
<i>Secondary Prevention</i>	Treatment of tuberculosis, leprosy, cholera, etc.
<i>Tertiary Prevention</i>	Rehabilitation of land mine injuries

What Health Services Do Displaced Persons Need?

- ◆ Provision of health-related services
 - Water, food, shelter
- ◆ Identifying the vulnerable for improved access to those at risk of disease
- ◆ A major risk factor is forced dependency



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Section B

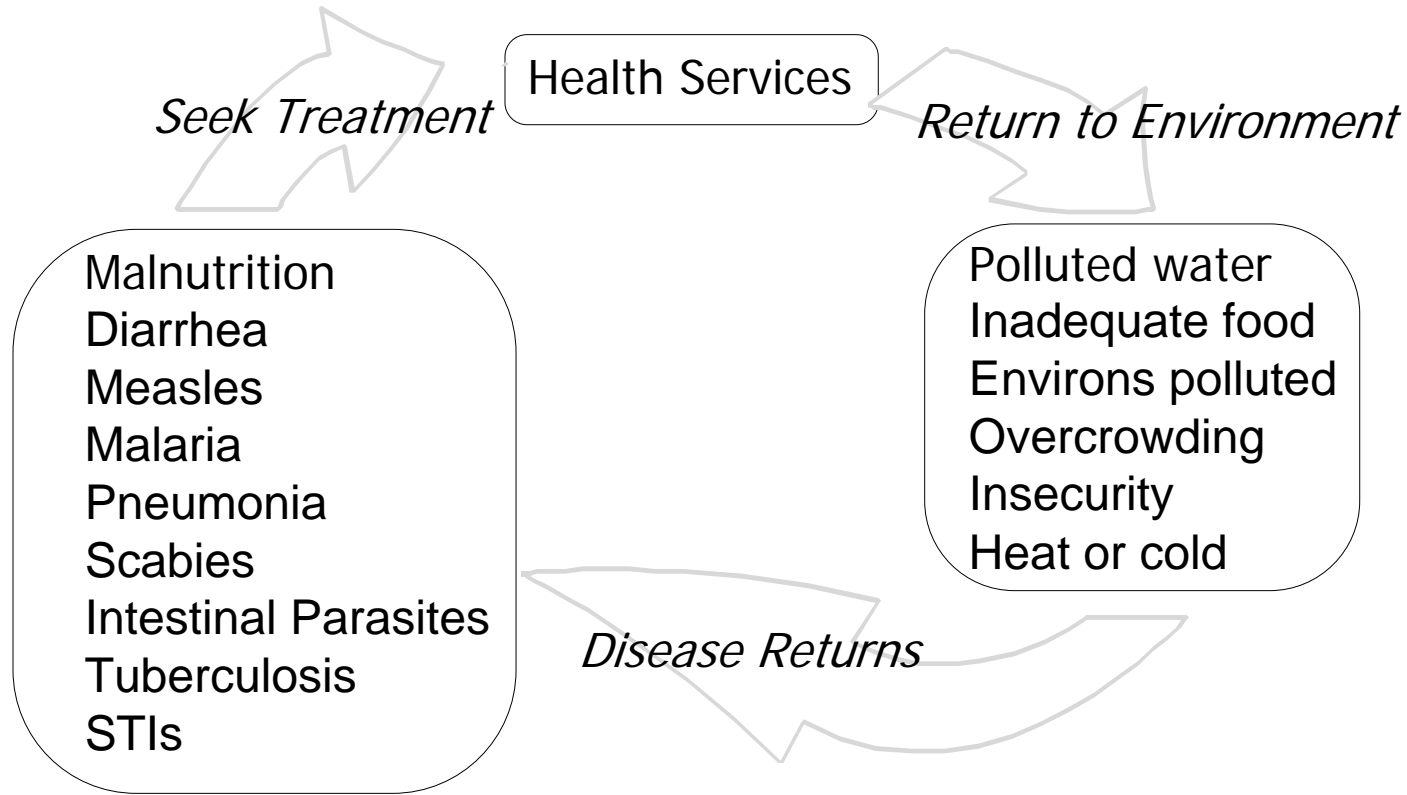
Disease Focus vs. Health Focus

Disease Focus vs. Health Focus

- ◆ Disease focus unable to address issues
- ◆ Disease is not just the absence of correct diagnosis and treatment
- ◆ Disease is the absence of a correct public health approach looking at all factors which address health of a community

Vicious Cycle of Health Care

- ◆ Curative services futile if not coupled with public health measures





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Section C

*What Should a Health System Be
Able to Do in Emergencies?*

What Should a Health System Be Able to Do in Emergencies?

- ◆ Overall goals for the health system
 - Reduce crude death rates to regional levels
 - Improve health status to regional norms

What Should a Health System Be Able to Do in Emergencies?

1. Diagnose and treat common conditions, especially if life-threatening
2. Active case-finding
3. Maintain adequate resources to sustain health services
4. Prevention of diseases
5. Measure/analyze activities and results
6. Communicate with and train staff

Specific Health Services: Child Health Care

- ◆ Immunization (EPI) programs
- ◆ Nutrition
 - Promoting breastfeeding
 - Growth monitoring
 - Selective feedings if necessary
 - Micronutrients – vitamin A, iron

Specific Health Services: Child Health Care

- ◆ Treat childhood illness (IMCI approach)
- ◆ Standard treatment protocols

Specific Health Services: General Curative Care

- ◆ Common diseases
 - Priorities, e.g., measles, ARI
 - Trauma and fractures
 - Chronic diseases, e.g. TB, asthma
- ◆ In mid-level development countries
 - Diabetes, hypertension, heart disease, arthritis

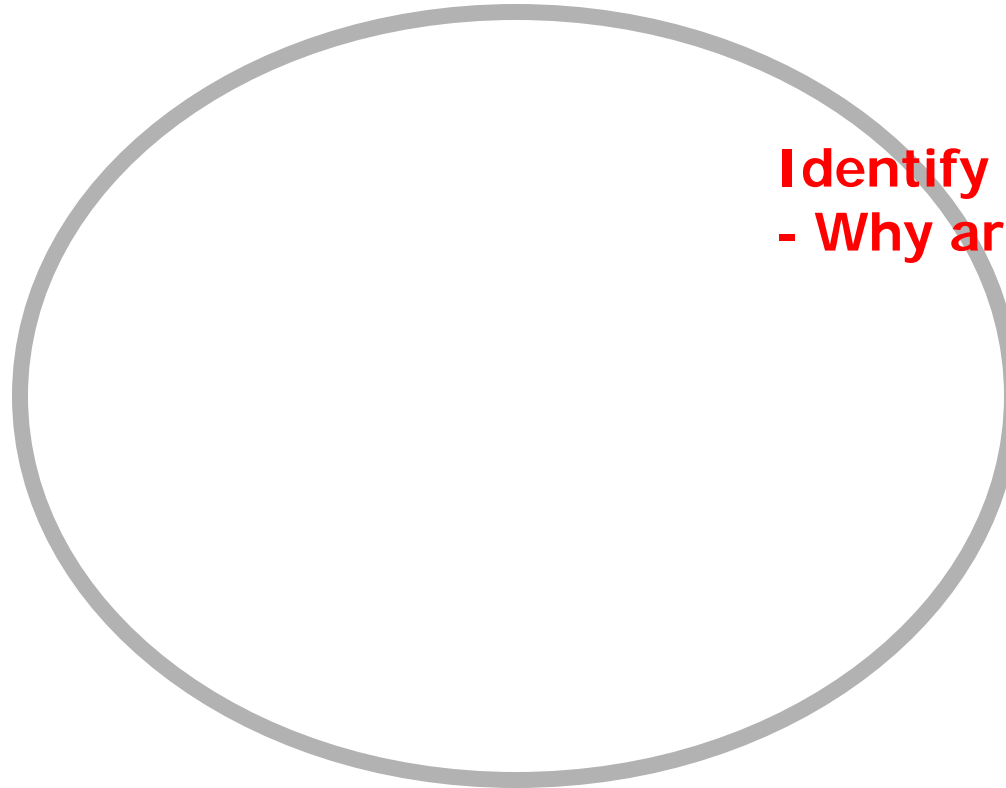
Specific Health Services: General Curative Care

- ◆ Provision for outpatient and inpatient care
- ◆ Prescription of drugs in an acceptable manner

Specific Health Services: Reproductive Health Care

- ◆ Care during pregnancy
 - Provide for safe delivery
- ◆ Family planning
- ◆ Care during delivery
- ◆ Post delivery/post abortion care
- ◆ STI treatment
- ◆ HIV prevention
 - Testing and counseling

Developing the Program

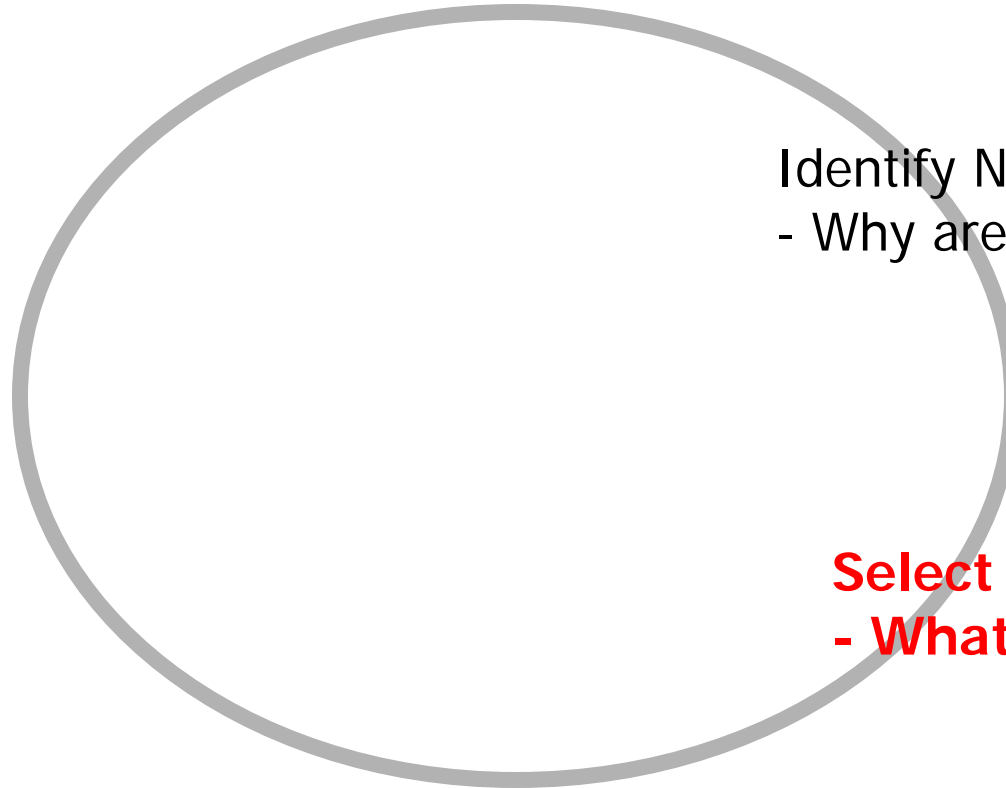


Identify Needs
- Why are we here?

Setting of Mission

- ◆ Identification of needs
 - Should be specific and quantified wherever possible
 - Needs will serve as basis for monitoring program impact

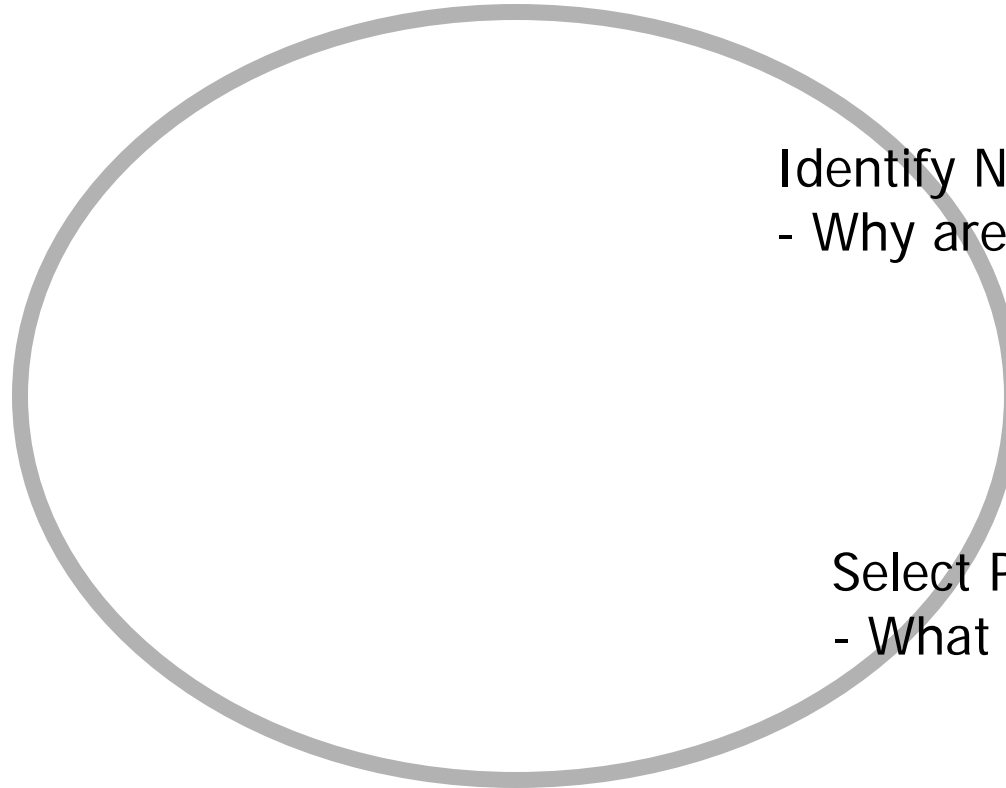
Developing the Program



Identify Needs
- Why are we here?

Select Priorities
- What is important?

Developing the Program



Identify Needs
- Why are we here?

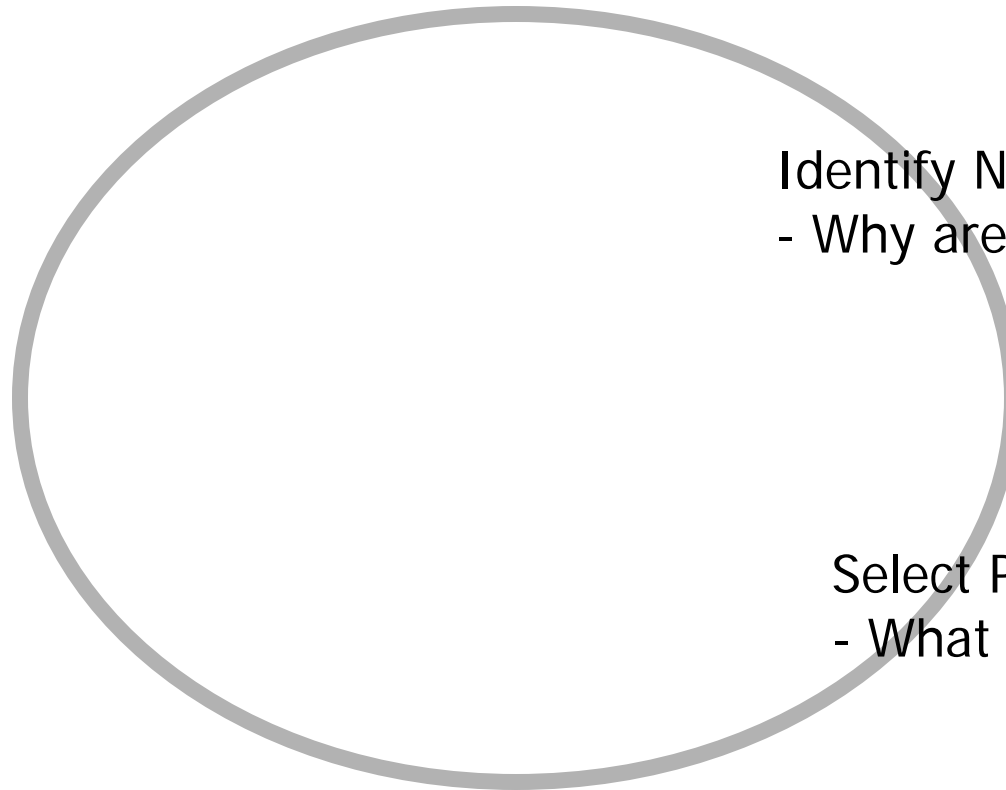
Select Priorities
- What is important?

Set Objectives
- What can we do?
- What do we want to do?

Clear Objectives are Basis of Strong Programs

- ◆ Objectives must be measurable
 - Indicators for each must be easily assessed

Developing the Program



Identify Needs
- Why are we here?

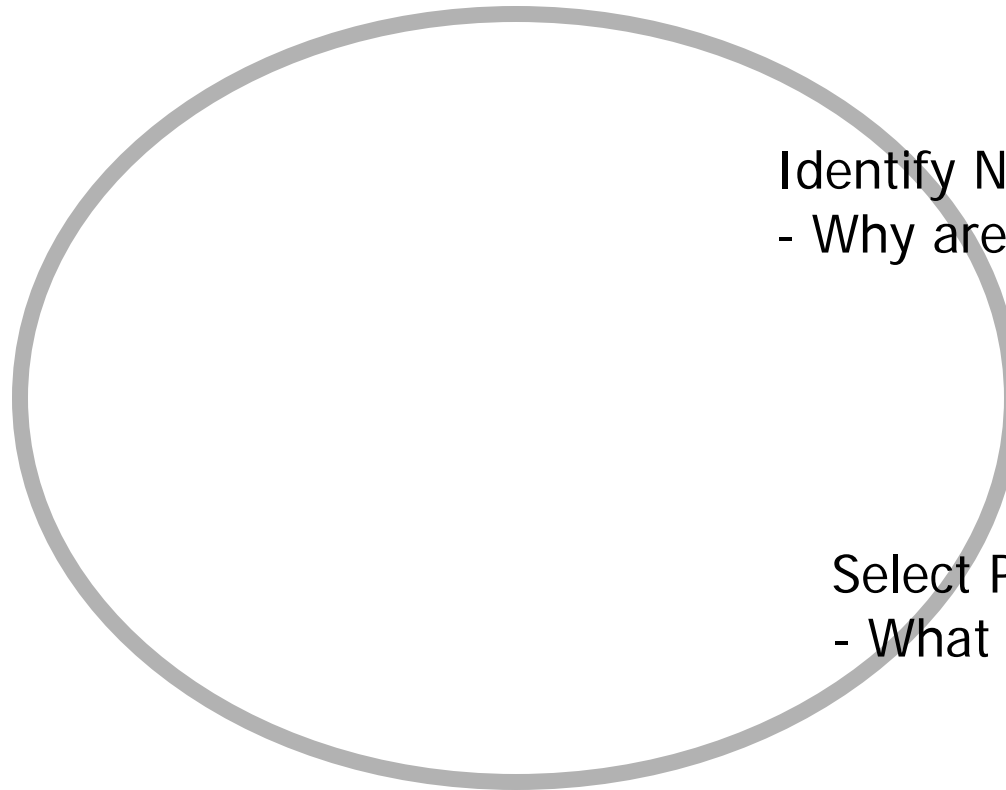
Select Priorities
- What is important?

Set Objectives
- What can we do?
- What do we want to do?

Consider Alternatives

Continued 23

Developing the Program



Identify Needs
- Why are we here?

Select Priorities
- What is important?

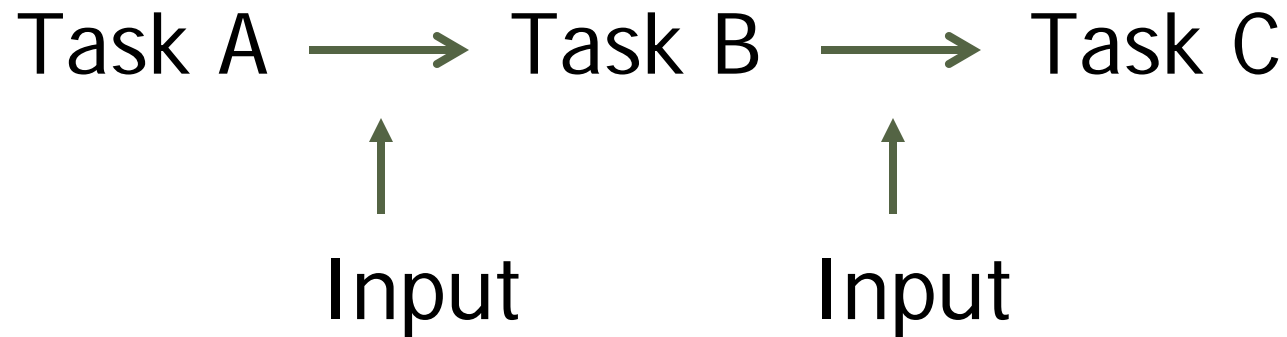
Choose Solution
- How are we going to do it?

Set Objectives
- What can we do?
- What do we want to do?

Consider Alternatives

Strategies Formulated to Implement Objectives

- ◆ Clear series of tasks set out
- ◆ Required resources identified



Developing the Program

Monitor Progress
- How are we doing?

Identify Needs
- Why are we here?

Implement Program

Select Priorities
- What is important?

Choose Solution
- How are we going to do it?

Set Objectives
- What can we do?
- What do we want to do?

Consider Alternatives

Continued 26

Developing the Program

Evaluate Program

Monitor Progress
- How are we doing?

Identify Needs
- Why are we here?

Implement Program

Select Priorities
- What is important?

Choose Solution
- How are we going to do it?

Set Objectives
- What can we do?
- What do we want to do?

Consider Alternatives

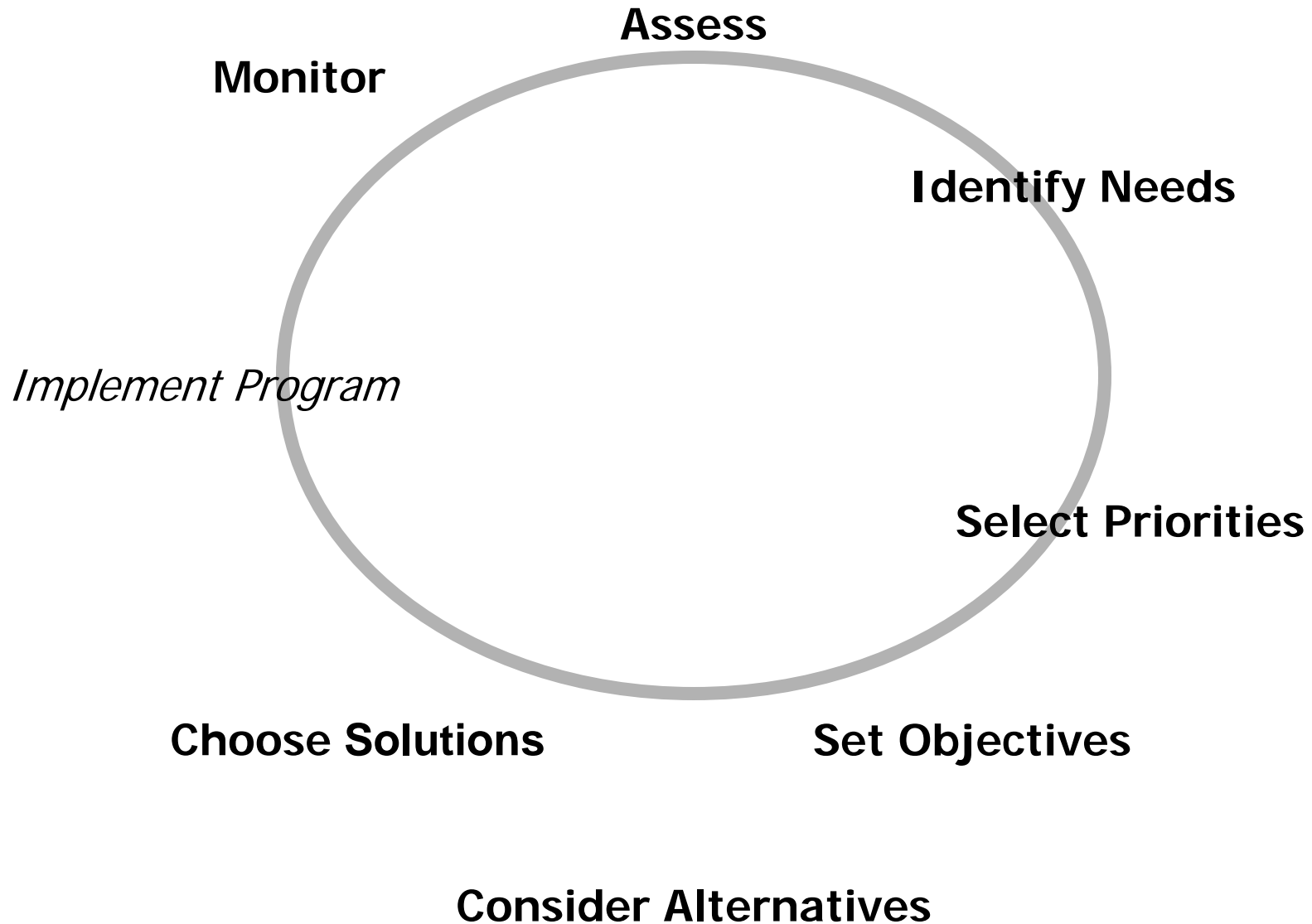
Evaluation Based on Objectives

- ◆ Are the objectives the correct ones?
- ◆ Have they been reached?
- ◆ Is there clear evidence of impact?
- ◆ How will the program be altered based on the information?

How to Establish Services for a Displaced Population

- ◆ Think through the development of health system from the first
 - “Since **x** is present, we will do **y**”
 - “If **f** occurs then **g** will be needed”

Apply the Planning Cycle



Carry out a Systematic Assessment

- ◆ Identify all obvious health problems
 - Some for immediate attention
 - Others for subsequent attention

Decide on Immediate Priorities for Treatment

The 2 X 2 table:

Frequency of disease diagnosis

High

Low

Risk of serious illness or death

High

Low

Consider Consequences of Not Addressing the Problem

- ◆ Consider the consequence of . . .
 - Low immunization coverage for measles
 - Low immunization coverage for BCG
 - Large population in known cholera area
 - Widespread scabies or lice
 - Large adolescent population

Involve Affected Community

- ◆ Seek refugee community participation
 - In priority selection
 - In program design
- ◆ This will promote program ownership

Consider Alternatives and Select Appropriate Solution

- ◆ Use decision matrix to select the potentially most feasible and effective solution

<i>SOLUTION</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>
Feasibility				
Acceptance				
Cost				
Sustainability				
TOTAL SCORE				

Set Objectives to Reflect Possible Events

- ◆ Set program objectives for program monitoring and evaluation
 - Short-term objectives
 - Longer-term objectives
- ◆ Ensure objectives are “SMART”
 - **S**imple
 - **M**easurable
 - **A**ttainable
 - **R**ealistic
 - **T**ime-bound

Determine Strategy and Establish Monitoring System

- ◆ Determine strategy and methods
- ◆ Implement program
- ◆ Use information system to monitor process, outputs and outcomes, as capacity allows





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Section D

Manner of Providing Health Services

In What Manner Should Health Services Be Provided?

- ◆ Health care is based on Primary Health Care principles
- ◆ PHC seeks to do the following:
 - Provide acceptable and affordable health care
 - Provide optimum rather than maximum health care

Themes of PHC

- ◆ Education about main health problems
 - Including prevention and control
- ◆ Promotion of food supply and proper nutrition
- ◆ Adequate supply of safe water and basic sanitation
- ◆ Maternal and child health care, including family planning

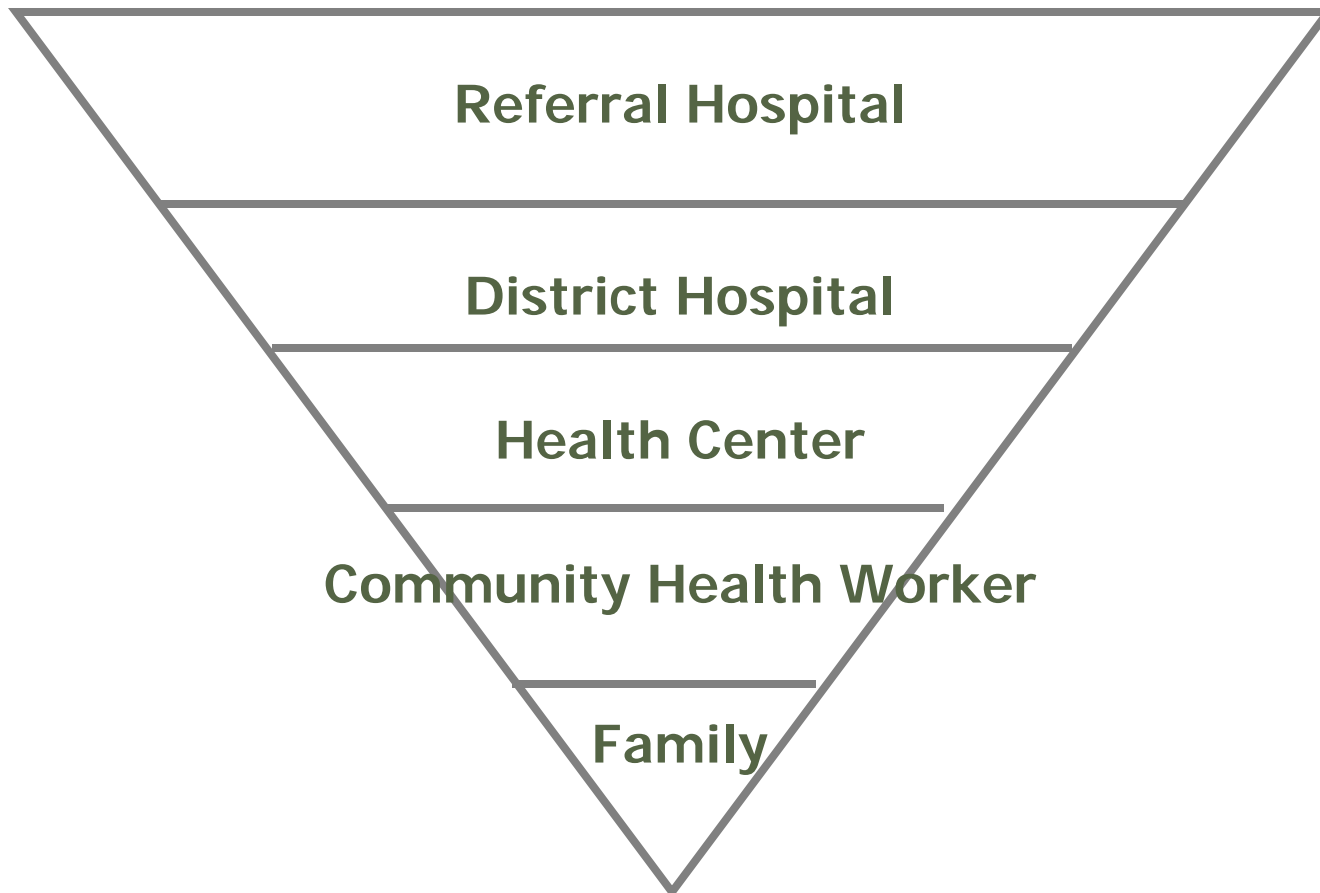
Themes of PHC

- ◆ Immunization against major diseases
- ◆ Prevention and control of locally endemic diseases
- ◆ Appropriate treatment of common diseases/injuries
- ◆ Provision of essential drugs

Different Levels of Health Care By Frequency of Needs



Resources Required to Provide Health Care





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Section E

Making Specific Decisions

Specific Decisions to Be Made

- ◆ Establish new services vs. augment existing services
- ◆ Where possible, the choice is to strengthen local services

Deciding Whether to Strengthen Local Services

<i>Hospital Level</i>	New facilities very costly
<i>Health Center Level</i>	New facilities often needed
<i>Health Post</i>	New facilities usually needed
<i>Community Services</i>	Specific for displaced populations

Setting Staff Requirements

- ◆ Staff requirements depend on the following:
 - Skills and capacity
 - Main tasks to be done
 - Resource requirements for each
- ◆ Selection of staff
 - Refugee vs. National vs. Expatriate
 - Seconded government staff

Setting Staff Requirements

- ◆ Need personnel policies for the following:
 - Job descriptions
 - Contracts
 - Disciplinary procedures

Establishing a Drug Program

- ◆ Follow Essential Drugs Programme (1977)
- ◆ Set drug procurement guidelines
- ◆ Define drug selections for various levels of health care
- ◆ Promote “rational” prescribing habits
 - Organizational practices
 - Host country policy

Drug Donations

- ◆ Donated drugs often a disaster in themselves:
 - Inappropriate or unknown medications
 - Outdated
 - Unreadable instructions
 - Clutter up warehouses, take up personnel time

New Emergency Health Kit

- ◆ Contains drugs and medical supplies for 10,000 persons for three months
 - 10 basic units for PHC workers
 - One supplementary unit for higher-level workers

New Emergency Health Kit

- ◆ Does not cover all drug requirements
 - Chronic diseases
 - Psychotropic drugs



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Section F

How Much of What is Needed?

First Referral Hospital

- ◆ Capacity—1:150,000–300,000
- ◆ Services provided
 - Emergency surgery
 - Emergency obstetrical care
 - Blood banking
 - Basic laboratory

First Referral Hospital

- ◆ Key staff
 - At least two medical officers
 - Adequate nursing staff (20+)

Health Center

- ◆ Capacity—1:30,000 or 10 km radius
- ◆ Staffing—health care workers, nurses, ±medical officer, ±simple laboratory
- ◆ May have inpatient beds and a maternity unit
 - Refer to 1st level hospital

Health Posts or Dispensaries

- ◆ Capacity—1:10,000 persons
- ◆ Referral to the health center
- ◆ Key staff—medical auxiliaries (primary health care workers)
 - Community Health Workers (CHWs) or home visitors

CHWs Work out of Health Posts

- ◆ Often refugees—1:500 or 1:1000
- ◆ Supervision from health post
- ◆ Duties include the following:
 - Health promotion
 - Seek out and refer ill persons
 - Treat common illness—
e.g., diarrhea
 - Refer seriously ill to hospital

How Health Services Are Utilized

- ◆ Initially, may be a rush for treatment
 - Pent-up demand
 - Epidemics may be in progress
 - 2–3% of population may use services/day

How Health Services Are Utilized

- ◆ Steady state usually 1% of population visiting OPD services daily
 - 1% of outpatient attendance will need inpatient care
 - 1% of inpatients will need hospital referral

Factors Affecting Utilization

- ◆ Utilization by geographic location
 - OPD attendance drops by 50% for every three km

Factors Affecting Utilization

- ◆ Utilization by age
 - Under-15s constitute 50% or more of most developing country populations
 - Under-5s constitute about 20% and represent 50–60% of outpatients

What Can Health Workers Do?

<i>HEALTH WORKER</i>	<i>POTENTIAL CAPACITY</i>
CHW or home visitor (community-based)	30 persons per day
Medical assistant or nurse (facility based)	50 persons per day
Medical Officer (doctor)	40 outpatients a day

Source of Staff

- ◆ Refugee and host country nationals wherever possible
 - Have better understanding of refugee experiences
- ◆ Potential for conflicts over pay are great
- ◆ Establishing credentials of refugee staff may be difficult

Consider “Down Time” for Staff

- ◆ Remember “down time”
 - Training
 - Vacation time
 - Sick leave and maternity leave
 - Rest and relaxation for expatriate staff
 - Consider staff turnover

Handing Over of Programs

- ◆ Common after early phase to close down or hand over health services
 - To development-oriented NGOs
 - Sometimes to host country MoH

Handing Over of Programs

- ◆ Imperative to design programs for long-term efficiency from the beginning
- ◆ Monitoring of program effectiveness
 - Measured against set objectives
 - Goal to contribute to development of refugees and host country system