



SNS COLLEGE OF NURSING COIMBATORE-35

COURSE : B.Sc., Nursing
SUBJECT : Community health nursing
UNIT : III
TOPIC : ENVIRONMENTAL SANITATION
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Environmental Sanitation: Foundation of Community Health

Environmental sanitation controls factors affecting human health. Its goal is to prevent disease and promote well-being.

Globally, 24% of deaths are linked to environmental factors. A clean environment fosters a healthy community for all.

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Community Health Nurses bridge clinical care and public health. They promote health, advocate for change, and monitor trends.

Bridging Care

Connecting individual health to the environmental context.

Health Promotion

Educating communities on risk mitigation strategies.

Advocacy

Championing policy changes for safer environments.

Surveillance

Monitoring environmental health trends and outbreaks.



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Preventing Waterborne Diseases

Global Challenge

2.2 billion lack safely managed drinking water. Unsafe water causes 829,000 diarrheal deaths annually.

Access to safe water is critical. Community Health Nurses teach purification and advocate for clean systems. Promoting hygiene prevents widespread illness and death.

CHN Interventions

**Teaching safe water storage and purification methods.
Promoting handwashing.
Advocating for community water systems.**

Protecting Public Health

Effective waste management is crucial for public health. Nurses educate communities and advocate for better services.

1

Sanitation Gap

3.6 billion people lack safely managed sanitation.
Global waste may increase by 70% by 2050.

2

Health Risks

Waste harbors disease vectors. It contaminates soil and water. Burning waste causes air pollution.

3

CHN Role

Educating on proper waste segregation. Advocating for effective collection services. Promoting recycling initiatives.



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Addressing Indoor & Outdoor

Pollutants

Poor air quality is a global burden. Community Health Nurses advise on ventilation and advocate for cleaner fuels.

Global Impact

99% of the world breathes unsafe air. Air pollution causes 7 million premature deaths annually.

Indoor Sources

Cooking fires cause 3.8 million deaths. Mold and tobacco smoke are significant contributors.

CHN Action

Advising on proper ventilation. Promoting clean cooking fuels. Educating on reducing exposure.



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A Determinant of Health

Safe and healthy housing is a fundamental determinant of well-being. Nurses help families access better housing solutions.

Global Challenge

1 billion people live in inadequate housing. Slums and informal settlements pose major health risks.

Housing Hazards

Lead paint, mold, and poor ventilation are common issues. Pests can exacerbate health problems. These

CHN Interventions

Conducting home assessments. Connecting families to housing resources. Advocating for safer living conditions.



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VECTOR CONTROL

Disrupting Disease Transmission

Key Vectors

Mosquitoes transmit malaria and dengue. Rodents spread leptospirosis. Flies carry various pathogens.

Disease Burden

Dengue cases increased tenfold globally. Vector-borne diseases are a growing public health threat.

CHN Role

Identifying breeding sites. Educating on repellents and bed nets. Promoting protective behaviors.

Strategies

Community clean-up campaigns. Integrated pest management programs. Larval source management.

Vector control is vital for preventing disease.

Community Health Nurses identify breeding sites and educate on protection.

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FOOD SAFETY

Food safety is crucial for preventing illness. Nurses teach proper handling and storage techniques.



From Farm to Fork

Incidence

1 in 6 Americans get sick annually from foodborne diseases. This highlights a pervasive public health challenge.

Key Risks

Contamination occurs during production, preparation, or storage. Improper handling leads to illness.

CHN Education

Teaching safe food handling. Emphasizing proper storage and cooking temperatures. Preventing cross-contamination is essential.

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Community Impact

Nurses use various tools and partnerships to improve community health. They drive impactful change.

1

Assessment

Using environmental health checklists during home visits.

2

Education

Workshops on water purification and home safety.

3

Collaboration

Partnering with health departments and NGOs.

4

Advocacy

Lobbying for improved sanitation infrastructure.



Sustaining Environmental Health for Future Generations



Sustaining environmental health is a collective responsibility. CHN leadership and wise investments are crucial. We must build resilient, healthy communities for all.

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THANK YOU