





**COURSE** 

**SUBJECT** 

UNIT

**TOPIC** 

PREPARED BY

: B.Sc., Nursing

: Community health nursing

: III

: ENVIRONMENTAL SANITATION

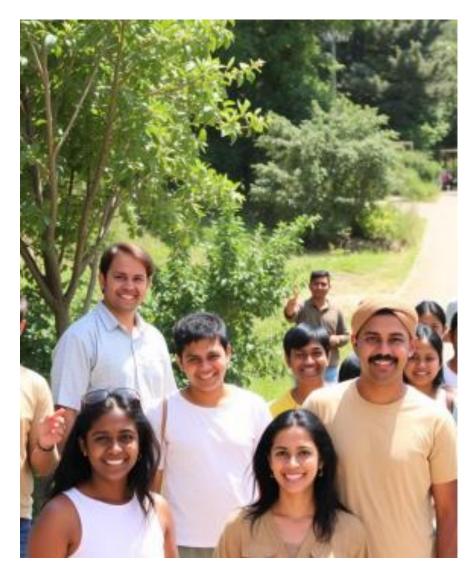
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# INTRODUCTION





# **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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# THE COMMUNITY HEALTH NURSE'S PIVOTAL ROLE



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

#### © Bridging Care



#### Health Promotion



#### Advocacy

Connecting individual health to the environmental context.

Educating communities on risk mitigation strategies.

Championing policy changes for safer environments.

# Surveillance

Monitoring environmental health trends and outbreaks.



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# SAFE WATER & HYGIENE



# **Preventing Waterborne Diseases**

# Global Challenge

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

# CHN Interventions

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

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





### WASTE MANAGEMENT



# **Protecting Public Health**

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

Sanitation Gap

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

Health Risks

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

CHN Role

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



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# **AIR QUALITY**



# 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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# **HEALTHY HOUSING**



#### A Determinant of Health

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

#### Global Challenge

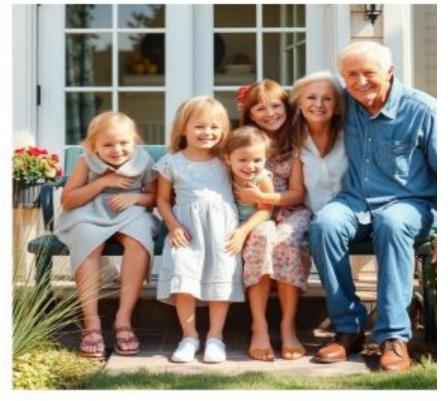
1 billion people live in inadequate housing.
Slums and informal settlements pose major health risks.

#### **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**

# Disease Burden

Dengue cases increased tenfold globally. Vectorborne diseases are a growing public health threat.

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#### 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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Key Vectors

Mosquitoes transmit

malaria and dengue.

Rodents spread

leptospirosis. Flies carry

various pathogens.



# **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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# INTEGRATED NURSING INTERVENTIONS



# **Community Impact**

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

1

2

3

Assessment

Education

Collaboration

Using environmental health checklists during home visits.

Workshops on water purification and home safety.

Partnering with health departments and NGOs.

4
Advocacy
Lobbying for improved sanitation infrastructure.





# **CONCLUSION**



# **Sustaining Environmental Health for Future Generations**

	1	Future Focus Building resilient, healthy communities.
	2	Investment Prioritizing sustainable policies and funding.
	3	CHN Leadership Essential for identifying risks and solutions.
	4	Responsibility Environmental sanitation is a shared goal.

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





# THANK YOU