

Factors in Emergence of Infectious Diseases

- Human Behavior
 - Sexual behavior; drug abuse; travel; diet; outdoor recreation; use of child care facilities
- Environmental Changes

 Deforestation / reforestation; changes in water ecosystems; flood / drought; famine; global warming

Factors in Emergence of Infectious Diseases

Social Events

 Economic impoverishment; war or civil conflict; population growth and migration; urban decay

Health Care

- New medical devices; organ and tissue transplantation; immunosuppressive drugs; widespread use of antibiotics
- Food Production
 - Globalization of food supplies; changes in food processing and packing

Factors in Emergence of Infectious Diseases

- Public Health Infrastructure
 - Curtailment of reduction in preventive programs in developed countries; inadequate communicable disease surveillance; lack of trained personnel (epidemiologist, laboratory scientists, vector and rodent control specialists)
- Microbial Adaptation and Change
 - Changes in virulence and toxin production; development of drug resistance; microbes as cofactors in chronic diseases

New Agents in Infectious Diseases

- Virus
 - -H1N1 influenza
 - Avian Influenza H5N1, H9N2, H6N1
 - Enterovirus 71 HFMD and encephalitis
 - Ebola virus
 - Nipah virus
 - SARS coronavirus
 - Bocavirus
 - Norovirus