

Demographic Transition Model (Keep forever, very important, don't lose, laminate (?), not talking in these terms when describing countries/societies)

Stage	1	2	3	4	5
Other Names	High Stationary HUNTING-GATHERING EARLY AGRICULTURE	Early Expansion LATE AGRICULTURE INDUSTRIALIZING	Late Expansion INDUSTRIAL MATURING	Low Stationary POST-INDUSTRIAL/TERTIARY MATURE	Declining? Theoretical???
Crude Birth/Death Rates					
	Country or Regional Ex. (when)	NO COUNTRY IN STAGE 1 - few "remote" groups - nations in "crisis" ----- MOST OF HUMAN HISTORY	UK (late 1700s) OTHER MDCs (mid-1800s - early 1900s) LDCs - post-WWII *	UK/US - 1920s Other MDCs - mid 1900s L. Amer. - 1990s SE ASIA - 2000s	UK/US/France (former colonial powers) N. Europe/Scandinavia E./S. Europe pass thru quickly
Birth Rate	HIGH (>25)	STAYS HIGH (25-40)	RAPID ↓ (12-25)	LOW (8-16)	VERY LOW (<10)
Death Rate	HIGH (>25)	RAPID ↓ (8-25)	SLOW DECLINE (5-12)	LOW (5-12)	LOW, COULD INCR. (10-15)
NIR/RNI %	SLOW (NEG -1.9%)	FAST GROWTH (1.5-3.5%)	SLOWER GROWTH (1-2%)	VERY SLOW/2PG (0-1%)	NEG NIR (<0%)
Avg. Age	≤ 15	late teens - early 20s	mid - late 20s	30s - early 40s	mid - 40s +
Reasons for birth rate or Δ in birth rate	children = economic assets, farm labor - high IMR religious, social traditions - stronger = rural	people DO NOT realize children's economic burden. traditions persist lack of family plan female subservient	Children = economic burdens fewer needed, # to clothe, feed, shelter in urban environments. new access to family planning * female empowerment later marriages, secular values Govt. - "anti-natalist" policies - China	Continuation of Stage 4 trends Pessimism over bleak future in economically stressed areas	
Reasons for death rate or Δ in death rate	famine (drought, floods) disease, infection accidents - NO MEDICINE childbirth = danger accidents/war	Industrial Revolution (MDCs) A - stable food source (canning) D - impr. medical care C - better access due to urbanization L - diffusion of med. advances D brings down CDR. Not achieved C thru economic development	Medical advances grow immunization, vaccines treatment for chronic disease extended life expectancy lifestyle changes (diet, exerc) better sanitation reduces over-crowding diseases (like cholera)	Large elderly population increases the death rate alcoholism and drug (opioid) abuse	

Overlapping theories

Stage	1 High Stationary	2 Early Expansion	3 Late Expansion	4 Low Stationary	5 Declining?
Population Pyramid	<p>LOW LIFE EXPECTANCY</p> <p>VERY FEW LIVE PAST MIDDLE AGE</p> <p>HIGH IMR</p> <p>HIGH CBR</p>	<p>SOME PEOPLE REACHING OLD AGE</p> <p>IMR DECLINES</p> <p>CBR REMAINS HIGH</p>	<p>LIFE EXPECTANCY INCREASING</p> <p>CDR CONTINUES TO DECLINE</p> <p>CBR IS DECL. MAY APPROACH REPLACEMENT RATE TFR = 2.1</p>	<p>HIGH LIFE EXP.</p> <p>REPL. RATE OVER SEVERAL GENERATIONS</p> <p>CBR = CDR = ZPG</p>	<p>ELDERLY</p> <p>CDR > CBR = NEG. NIR</p> <p>VERY LOW CBR</p> <p>WORKING AGE</p> <p>YOUTH</p>
Key Terms associated with stage	<p>PESTILENCE</p> <p>FAMINE</p> <p>INFANT MORTALITY RATE</p> <p>SUBSISTENCE FARMING</p> <p>PANDEMICS</p>	<p>INDUSTRIALIZATION</p> <p>URBANIZATION</p> <p>DIFFUSION OF MED. ADVANCES</p> <p>DEMOGRAPHIC TRAP</p> <p>SQUATTER SETTLEMENT</p> <p>OVER POP. (CARBON CAP)</p> <p>HIGH YOUTH DEPEND.</p>	<p>DEMOGRAPHIC MOMENTUM</p> <p>REPLACEMENT RATE</p> <p>SECULAR</p> <p>CONTRACEPTIVES</p> <p>FAMILY PLANNING</p> <p>BIRTH CONTROL</p> <p>degenerative</p>	<p>Zero pop. growth</p> <p>aging population</p> <p>greying population</p>	<p>Negative NIR</p> <p>Declining pop.</p> <p>Pessimism</p> <p>pro-natalist</p> <p>expansive pop. policy</p>
Dependency Ratio	<p>anti-natalist restrictive</p>	<p>DEMOGRAPHIC TRAP</p> <p>NEED JOBS FOR YOUTH AS THEY MATURE</p>	<p>Youth dependency still high</p> <p>Large working-age</p> <p>Low aged dependency</p>	<p>Healthy dependency ratio, but future problems loom w/ aged dependency as pop. grows older</p>	<p>High age dependency - healthcare - retirement inc.</p> <p>Shrinking working-age pop to pay taxes</p>
Zelinsky's Migration Transition	<p>N/A</p>	<p>- Massive interregional urbanization</p> <p>- International out-migration (LDCs → MDCs)</p>	<p>International in-migration</p> <p>urbanization slows</p> <p>Suburbanization</p> <p>city to city</p>	<p>Internal rural to urban stops.</p> <p>Discourage emigration?</p> <p>Encourage immigration?</p>	
Epidemiological Transition	<p>"Age of Pestilence and Famine"</p> <p>Life is brutal and short. Disease, accidents, war, IMR</p> <p>childbirth = dangerous</p>	<p>"Age of receding pandemics" Imp. food supply, sanitation, medical care. Some uptick in overcrowding</p> <p>disease (Cholera) due to urbanization</p>	<p>"Age of Degenerative and manmade diseases" assoc. with middle age and bad habits</p> <p>(heart disease/cancer)</p> <p>Infectious diseases decline</p>	<p>"Age of delayed degenerative diseases"</p> <p>Extended life exp. leads to diseases associated w/ old age = Alzheimers</p>	<p>"Age of the re-emergence of infectious and parasitic disease"</p> <p>1) Evolving bacteria</p> <p>2) LDC poverty</p> <p>3) travel, globalization</p>