DP IB Environmental Systems & Societies (ESS): HL

8.1 Human Populations

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Human Population Dynamics

Demographic Variables

Inputs to human populations: births and immigration

- Births and immigration are inputs that contribute to the growth of a population
- Crude birth rate (CBR):
 - This is the number of live births per 1000 people in a population per year
 - For example, a CBR of 15 means 15 babies are born for every 1 000 people in that population each year
 - CBR is calculated by dividing the total number of live births in a year by the total population and then multiplying by 1000

$$CBR = \frac{\text{total number of live births}}{\text{total population}} \times 1\ 000$$

()

Worked Example

A country has 25 000 live births in a year, and the total population is 500 000.

Calculate the crude birth rate.

Answer

CBR = (number of live births / total population) x 1000

CBR = (25 000 / 500 000) x1000

CBR = 50 births per 1000 individuals

- Immigration rate:
 - This is the number of immigrants per 1000 people in a population per year

Outputs from human populations: deaths and emigration

- Deaths and emigration are outputs that reduce the size of a population
- Crude death rate (CDR):

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- This is the number of deaths per 1000 people in a population per year
 - For example, a CDR of 8 means 8 people die for every 1000 people in that population each year
- CDR is calculated by dividing the total number of deaths in a year by the total population and then multiplying by 1000

$$CBR = \frac{\text{total number of deaths}}{\text{total population}} \times 1\ 000$$

()

Worked Example

In a given year, a country recorded 15 000 deaths, and the total population is 750 000.

Calculate the crude death rate.

Answer

CDR = (number of deaths / total population) x 1000

 $CDR = (15000 / 750000) \times 1000$

CDR = 20 deaths per 1000 individuals

Emigration rate:

• This measures the number of people leaving a population per 1000 people per year

Quantifying population dynamics

- Population growth and decline can be quantified through several key measures:
- Total fertility rate (TFR):
 - This is the average number of children a woman is expected to have during her lifetime, based on current age-specific fertility rates
 - In developing countries, TFR tends to be higher (e.g. due to limited access to family planning)
 - TFR is calculated by summing the age-specific fertility rates (ASFR) and multiplying the result by five

$$TFR = \sum ASFR \times 5$$



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Worked Example

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A country has the following fertility rates per 1000 women in each age group:

- 15-19 years: 20 births per 1 000 women
- 20-24 years: 85 births per 1000 women
- 25-29 years: 100 births per 1 000 women
- 30-34 years: 80 births per 1000 women
- 35-39 years: 40 births per 1000 women
- 40-44 years: 10 births per 1 000 women
- 45-49 years: 2 births per 1000 women

Calculate the total fertility rate.

Answer

TFR = (20 + 85 + 100 + 80 + 40 + 10 + 2) x 5

TFR = 1685 births per 1000 women

TFR = 1.685 children per woman

This means that, on average, a woman in this country is expected to have approximately 1.69 children over her lifetime based on current fertility rates.

Life expectancy:

- This is the average number of years a person is expected to live from birth, assuming current demographic factors (such as healthcare) remain the same
- Doubling time (DT):
 - This is the number of years it would take a population to double in size, based on its current growth rate
 - DT is calculated using the 'rule of 70': divide 70 by the population growth rate percentage

$$DT = \frac{70}{\text{growth rate }\%}$$

Worked Example

A population has a growth rate of 2% per year.

Calculate the doubling time.

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Answer

DT = 70 / growth rate

DT = 70/2

DT = 35 years

Natural increase rate (NIR):

- This is the difference between the crude birth rate and crude death rate, usually expressed as a percentage or a number per 1000.
 - If the birth rate is higher than the death rate, natural increase occurs
- NIR is calculated by subtracting the CDR from the CBR and then dividing the result by 10

$$NIR = \frac{(CBR - CDR)}{10}$$

Worked Example

A country has a CBR of 25 births per 1000 individuals and a CDR of 10 deaths per 1000 individuals.

Calculate the natural increase rate.

Answer

NIR = (CBR - CDR) / 10

NIR = (25 - 10) / 10

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NIR = 1.5%
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Examiner Tips and Tricks

Make sure you can define terms like crude birth rate, fertility rate and life expectancy. These often come up in exam questions.

Human Population Growth

Rapid growth of the global human population

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Your notes

- The global human population has followed a **rapid growth curve**, particularly in the past century
 - The global human population grew very slowly until 18th century
 - From 10 000 BCE to 1700 CE, the average growth rate was just 0.04% per year
 - There has been exponential growth in the global human population since the mid 18th century
 - In 1800, the world population was about 1 billion
 - By 2024, the population will have grown to over 8 billion
 - This growth is largely due to improvements in **medicine**, **agriculture** and **technology**, which have reduced death rates
- The growth rate is starting to fall again
- However, the world population is projected to continue to grow until approximately 2100, when it could reach more than 11 billion



World population total and growth rate, 1750-2015 (with projections until 2100)

Models to predict future global population growth

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Your notes

- Population models are used to predict the growth of the human population in the future
 - These models take into account birth rates, death rates, fertility rates, and migration
 - Models can help policymakers understand trends and make decisions about resource use, healthcare and urban planning

UN projection models

- The United Nations (UN) uses models to project future global population growth, offering three different scenarios:
 - 1. **High-fertility scenario**: assumes higher birth rates will continue, leading to a more rapid population increase
 - 2. **Medium-fertility scenario**: assumes a steady decline in fertility rates, leading to moderate population growth (this is the most likely scenario)
 - 3. Low-fertility scenario: assumes fertility rates will drop significantly, leading to slower growth or a shrinking population
- By 2100, the global population is projected to be around **9.7 billion** in the medium-fertility scenario

Uncertainty of future fertility rates

- Predicting **fertility rates** is challenging, leading to **uncertainty** in population forecasts
 - Changes in cultural norms, economic conditions, and government policies can all influence fertility rates
- Countries that went through Industrial Revolutions in the 18th and 19th centuries experienced rapid population growth
 - Today those countries are **developed** and their growth rates have **fallen**
 - In some cases, they have fallen so much that their total populations are in **decline** (e.g. Japan)
- The fastest population growth today occurs in developing countries that are rapidly industrialising

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Your notes





Managing Human Population Growth

Direct Management of Population Growth

- Population management involves policies aimed at influencing the size, growth and distribution of human populations
 - These policies focus on birth rates (pro-natalist or anti-natalist) or on migration (immigration and emigration).
 - Governments use these policies to address concerns such as:
 - Overcrowding
 - Economic demands
 - Ageing populations

Anti-natalist policies

- Anti-natalist policies **reduce birth rates** in countries with high population growth
 - These policies are common in countries facing overpopulation, where resources are strained

Methods used

- Education and awareness: promoting smaller family sizes and the benefits of fewer children
 - For example, China's One-Child Policy (introduced in 1979) aimed to slow population growth by limiting families to one child
- Access to contraception: improving the availability of birth control methods to reduce unwanted pregnancies
 - For example, in **India**, family planning campaigns have included the distribution of free contraceptives
- Financial incentives: offering financial rewards or penalties to influence family size
 - For example, **Vietnam's Two-Child Policy** (introduced in the 1980s) aimed to limit family size by encouraging people to have only two children
 - The policy was supported by:
 - Financial penalties for larger families
 - Incentives such as preferential housing and education benefits for those who complied

Outcomes

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- Anti-natalist policies lead to:
 - Slower population growth
 - Reduced pressure on resources
- However, they can also cause long-term issues, such as an ageing population (fewer young people to support the elderly)

Pro-natalist policies

- Pro-natalist policies encourage an increase in birth rates in countries with low or negative population growth
 - These policies are used in countries facing ageing populations or labour shortages

Methods used

- Financial incentives: offering parents monetary support for having more children
 - For example, **France's Code de la Famille** (1939) offers cash bonuses, paid parental leave and subsidised childcare to encourage larger families
- Parental support: providing benefits such as longer parental leave or free childcare
 - For example, **Sweden** offers generous parental leave (up to 480 days shared between both parents) to support family growth
- Cultural encouragement: promoting family-friendly values through campaigns or media

Outcomes

- Pro-natalist policies help to:
 - Boost population growth
 - Ensure a balanced ratio between working-age individuals and the elderly
- However, they may **take time** to show effects and could face **cultural resistance**

Migration policies

- Migration policies manage immigration (inward) and emigration (outward) to influence population size and labour markets
 - Countries may encourage or restrict migration based on economic needs and population growth goals

Methods used

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- Open immigration policies: allowing more people to enter the country, particularly if there is a need for workers
 - For example, Germany has encouraged immigration to offset its declining population and labour shortages
- Restrictions on immigration: limiting the number of people who can enter a country to control population growth or preserve jobs for citizens
 - For example, Australia has a strict immigration policy based on points
 - This points-based system favours skilled workers
- Encouraging emigration: some countries promote emigration to relieve population pressure

Outcomes

- Immigration can help to:
 - Balance an ageing population
 - Provide labour
 - Diversify the economy
- Emigration can reduce population pressure, but may lead to a 'brain drain', where skilled workers leave the country

Examiner Tips and Tricks

Make sure you are aware of the potential long-term effects of anti-natalist, pro-natalist and migration policies, such as ageing populations or labour shortages.

Indirect Management of Population Growth

- Indirect population management involves policies that do not directly aim to control population growth but still affect factors such as birth rates, death rates and migration
 - These policies focus on economic, social, health and development areas
 - These policies indirectly influence population dynamics

Economic policies

Economic policies influence population growth by:

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- Improving living standards
- Changing family planning decisions
- In less wealthy societies, families feel **economic pressure** to have **more children** because:
 - Children contribute to family income: in many rural or low-income areas, children may work on farms or help with small businesses, providing extra income for the family
 - Lack of social welfare: without government support like pensions or healthcare, parents may rely on their children to support them in old age
 - **Higher child mortality rates**: in areas with poor healthcare, parents may have more children to ensure that some survive to adulthood
 - Limited access to education: with fewer opportunities for higher education, children are often seen as a source of immediate labour and support, rather than an investment for the future
- Wealthier societies tend to have lower birth rates, as families may prefer to invest more in fewer children

Methods used

- Job creation and economic stability: improved employment opportunities can reduce poverty
 - This leads to fewer children as families focus on education and careers
- Welfare systems: governments that provide strong social welfare systems help families feel secure with fewer children

Outcomes

- **Higher living standards** often lead to lower birth rates, as families feel less economic pressure to have many children
- Economic development can slow population growth as people focus more on career and lifestyle choices over family size

Social and gender equality policies

- Policies that promote gender equality and social development indirectly reduce birth rates
 - This is because these types of policies empower women to make informed family planning decisions

Methods used

- Education for girls and women: increasing access to education leads to delayed marriages and childbirth, as well as smaller family sizes
- Workforce participation: encouraging women to join the workforce allows them to focus on careers

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• This often leads to smaller families and later pregnancies

Outcomes

- Improved gender equality leads to more choices for women, resulting in lower birth rates
- Societies with **greater gender equality** have higher levels of education and economic participation, both of which can reduce population growth

Public health and welfare policies

- Health policies affect population growth by lowering death rates and improving overall well-being
 - Both of these can influence birth rates

Methods used

- Improved healthcare: providing better healthcare, especially maternal and child health services, reduces infant mortality
 - This can lead to smaller family sizes

Outcomes

Better healthcare reduces both death and birth rates, leading to more stable population growth

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Examiner Tips and Tricks

Make sure you are able to differentiate between **direct** and **indirect policies**. Direct policies, like **China's One-Child Policy**, explicitly target birth rates, while indirect policies, like **improving girls' access to education** in countries like Bangladesh, influence population growth through broader social changes.

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Your notes

Population Composition & Modelling

Human Population Models

Age-sex pyramids

- The composition of human populations can be modelled and compared using **age-sex pyramids**
 - These are sometimes referred to as population pyramids, age-gender pyramids or age structure diagrams
- An age-sex pyramid is a graphical representation of a population's **age and sex structure**
 - It displays the percentage or number of individuals in each age group and gender within a given population
 - They typically show data for a particular country or region
- The age-sex pyramid is usually represented as a horizontal bar graph
 - The age groups are displayed along the vertical axis
 - The percentage or **number of individuals** in each age group is displayed along the **horizontal axis**
 - The left side of the graph displays the male population
 - The **right** side shows the **female** population
- The **shape** of the age-sex pyramid can provide **insights** into the demographic characteristics of a population
 - For example, a pyramid with a broad base and a narrow top indicates a young population with high fertility rates and low life expectancy
 - Whereas a pyramid with a narrow base and a broad top indicates an ageing population with low fertility rates and high life expectancy



Your notes



- Age-sex pyramids are used by policymakers and economists to:
 - Understand population trends
 - Forecast future population growth
 - Plan for social and economic policies
- They are also used in fields such as public health, education and social welfare to plan for the needs of specific age groups within a population
 - This means that governments can estimate and plan for spending
- An age-sex pyramid can be used to identify the following groups:
 - Young dependents
 - Old dependents
 - Economically active (working population)

Population structures of LICs and HICs



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- Low birth rate
- High life expectancy
- Low death rate
- Low infant mortality
- Large working age population



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Worked Example

An age-sex pyramid is shown below.

What does the shape of the pyramid tell you about the population structure of the country?





Answer

- The narrow base means a low birth rate
- A low birth rate means a low number of young dependents
- A reasonably broad top means high life expectancy
- The majority of the population is between 40 and 60
- This means there will be a large number of elderly dependents in the future

Worked Example

The figure below shows age-sex pyramids for Mexico in 1980 and 2010.

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Describe the changes in Mexico's population structure between 1980 and 2010.



Answer

- In 2010 there are:
 - More economically active / working / 15-64 year-olds
 - More elderly / old dependents / 65+ year-olds
 - More young dependents in total / bands up to 19 become more even

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Examiner Tips and Tricks

Remember-when interpreting an age-sex pyramid, you need to look at four key areas:

- Younger population is the birth rate high or low?
- Working population are there enough people of working age to support the young and old dependents?
- Elderly population is it large or small? (if it is large, then life expectancy is high)

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 Male/female split - are there any noticeable differences between the numbers of males and females?

Demographic transition model (DTM)

- The DTM is a model that shows how a population transitions over time:
 - From a pre-industrial stage, with high crude birth rates and high crude death rates
 - To an **economically advanced stage**, with low or declining crude birth rates and low crude death rates
- The DTM illustrates five generalised stages that countries pass through as they develop
- It shows how the birth and death rates change and how this affects the overall population of the country





Stage 1

- The total population is low
- High birth rates due to lack of contraception and family planning
- High death rates due to poor healthcare, poor diet and famine
- High infant mortality, which leads people to have more children so that some children survive to adulthood

Stage 2

- The total population starts to rise rapidly
- Birth rates remain high as people continue to have large families
- Death rates decrease as a result of improved diets, better healthcare, lower infant mortality and increased access to clean water

Stage 3

- The total population continues to increase but the rate of growth begins to slow
- Birth rate begins to fall rapidly due to increased birth control, family planning, increased cost of raising children and low infant mortality rate
- Death rate still decreasing but at a slower rate as improvements in medicine, hygiene, diet and water quality continue

Stage 4

- The total population is high and is increasing slowly
- Birth rate is low and fluctuating due to accessible birth control and the choice of having fewer children as well as delaying the age women start to have children
- Death rate is low and fluctuating

Stage 5

- The total population starts to slowly decline as the death rate exceeds the birth rate
- Birth rate is low and slowly decreasing
- Death rate is low and fluctuating

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Population Growth & Environmental Stress (HL)
Population Growth & Environmental Stress
Human population growth
 The global population is currently about 8.2 billion as of 2024
Future projections:
 By 2075, the global population is expected to reach around 10 billion
 By 2125, estimates vary, but the global population could stabilise (level out) or slightly decline if fertility rates fall
 Factors influencing global population projections include:
 Fertility rates: the average number of children per woman (this is falling in many developed countries)
 Mortality rates: death rates can decrease with advances in healthcare
 Urbanisation: urban living often correlates with lower birth rates
 Government policies: population control measures or incentives can decrease or increase fertility rates
Environmental stress
 Environmental stress refers to the strain placed on Earth's ecosystems due to human activity, such as pollution, deforestation, and resource depletion
Link to global population growth:
 More people require more resources (e.g. food, water, energy)
 This leads to more overexploitation and environmental degradation
Disparity in biocapacity
 Biocapacity is the Earth's ability to regenerate resources and absorb waste, such as carbon dioxide
 A biocapacity deficit occurs when human demand exceeds the planet's capacity to replenish resources
Uneven biocapacity distribution:



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- Some countries (e.g. Sweden and Brazil) have a large biocapacity and can support increased population growth
- Other countries (e.g. UAE and China) cannot support increased population growth and are already in a biocapacity deficit
 - These countries consume far more resources than their biocapacity can **sustainably support**
 - E.g. the USA has a large ecological footprint, using resources far beyond its biocapacity
- These are often wealthier nations that rely on **importing resources** from poorer countries, increasing global inequality
 - E.g. many African nations have smaller ecological footprints but face resource exploitation by wealthier countries

Social foundations and planetary boundaries

Doughnut economics model

- The doughnut economics model aims to balance social needs with environmental limits
 - It provides a framework for ensuring that economic activity remains within the ecological limits of the planet whilst attempting to address social inequality and injustice at the same time
- Parts of the model:
 - The **outer edge** of the doughnut represents the **planetary boundaries** (environmental constraints)
 - The inner edge of the doughnut represents social foundations (basic human needs)



Your notes



The Key Principles of Doughnut Economics



- The social foundations are the **minimum standards** for a good quality of life, such as access to food, water, healthcare, and education
- Crossing social foundations:
 - This occurs when people do not meet basic needs, leading to poverty and inequality

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• E.g. millions of people in Sub-Saharan Africa lack access to clean water and food security

Planetary boundaries

- The planetary boundaries (sometimes referred to as the ecological ceiling) are the limits on the Earth's systems that should not be crossed to avoid damaging ecosystems, such as the climate, biodiversity, and oceans
- Crossing planetary boundaries:
 - This occurs when human activity exceeds the Earth's safe limits, causing irreversible damage
 - E.g. the Amazon rainforest is nearing a tipping point due to deforestation

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Examiner Tips and Tricks

Make sure you are able to define and explain key terms such as biocapacity, biocapacity deficit, social foundations, and planetary boundaries.



Dependency Ratio & Population Momentum (HL)

Dependency Ratio & Population Momentum

Dependency ratio

- Population structures and age-sex pyramids can be divided into three age-group categories
- These categories depend on level of economic activity:
 - Young dependents = from 0-14 years
 - They rely on their economically active **parents** to support them
 - High in countries with high fertility rates (e.g. Nigeria)
 - Economically active = from 15-64 years
 - They are the working population who **earn income**, **pay taxes** and contribute to the support of the young and elderly
 - Elderly dependents = from 65 years onwards
 - They are no longer economically active and so rely on support from the **state** and **younger family members**
 - High in countries with ageing populations (e.g. Japan)
- The dependency ratio shows the relationship between a the working population (people who are economically active or independent) and non-working population (people who are economically inactive or dependent)
 - In other words, the dependency ratio is a way to measure the amount that the young and elderly people in a population depend on the economically active people in that population
- A low dependency ratio means more workers relative to dependents
 - This supports **economic growth**

Dependency ratio = ((young dependents + old dependents) ÷ economically active) × 100

or

$$Dependency \ ratio = \frac{Population \ under \ 15 + Population \ over \ 65}{Population \ aged \ 15 - 64} \times 100$$



Your notes

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Worked Example

A country has a total population of 200,000 people. There are:

- 50,000 children under the age of 15
- 110,000 people between the ages of 15 and 64
- 40,000 people aged 65 or older

What is the dependency ratio for this country?

Step 1: use the formula

Dependency ratio = ((young dependents + old dependents) ÷ economically active) × 100

Step 2: substitute in the known values

Dependency ratio = ((50,000 + 40,000) ÷ 110,000) × 100

 $= 0.82 \times 100$

= 82%

Population momentum

- Population momentum is the tendency for population growth to continue even after fertility rates decline
- Why it happens:
 - A large population of young people means more women will enter reproductive age in the future
 - This causes population growth even with low fertility rates

Key factors

- Age structure:
 - A youthful population leads to sustained growth over decades
 - E.g. countries like **India** have significant population momentum due to a large number of young people
- Declining fertility:
 - Growth slows gradually as smaller generations replace larger ones
 - E.g. after the one-child policy in China (1980–2016), fertility rates (TFR) dropped
 - Despite this, the population continued growing (more and more slowly) for decades before stabilising

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Negative population momentum

- Negative population momentum can also occur
- This is when, despite an **increase in TFR**, the number of people of reproductive age has **shrunk**
 - This results in **fewer people having children**
 - E.g. Japan has relatively few women of reproductive age, so the population momentum is **decreasing**



Examiner Tips and Tricks

Remember, population momentum occurs because it is not only the number of children per woman that determines population growth but also the number of women of reproductive age.



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Population Patterns & Trends (HL)

Population Patterns & Trends

- Population **patterns** and **trends** can include:
 - Changes in distribution of people across different age groups
 - Changes in population size and structure over time

Demographic transition model (DTM)

- The DTM explains how population growth and structure change over time due to economic and social developments
- There are five stages:
 - Stage 1: High birth and death rates (e.g. pre-industrial societies)
 - Stage 2: Falling death rates, high birth rates (e.g. early industrialisation)
 - Stage 3: Falling birth rates and slower growth (e.g. developing countries)
 - Stage 4: Low birth and death rates, stable population (e.g. developed countries)
 - **Stage 5**: Declining population due to very low birth rates (e.g. ageing societies)

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Case Study

Nigeria (stage 2 to stage 3 transition)

Past (30+ years ago)

- Generally high birth and death rates due to poor healthcare and high infant mortality
- Lack of access to education, especially for women
- Cultural and religious norms encouraged large families

Present

- Death rates have fallen due to improved healthcare and sanitation
- Birth rates remain high, but access to education and family planning is increasing
- Youthful population structure: over 43% of the population is under 15 years old (high proportion of young dependents)

Future (30+ years)

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- Gradual reduction in birth rates expected as education and urbanisation increase
- High population momentum due to the large youth population
- Challenges: providing jobs, healthcare, and education for a growing population

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Case Study

Japan (stage 4 to stage 5 transition)

Past (30+ years ago)

- Rapid economic growth after World War II
- Low death rates and declining birth rates due to urbanisation and lifestyle changes
- Life expectancy increased significantly

Present

- Ageing population: over 28% of the population is aged 65 or older (high proportion of elderly dependents)
- Very low fertility rate (1.3 children per woman)
- Shrinking workforce and rising dependency ratio

Future (30+ years)

- Population decline expected to continue, with fewer young people to support the elderly
- Increased reliance on automation and immigration to address workforce shortages
- Challenges: managing pensions, healthcare, and economic growth

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Examiner Tips and Tricks

These are just two examples of countries in different stages of the DTM. To prepare for your exams, it would be a good idea to also research and revise a couple of your own countries and create a mini case study for each, in the same format as above. For example, you could compare Afghanistan (stage 2) and China (stage 4), or Ethiopia (stage 3) and the USA (stage 4).



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Environmental Migration (HL)

Environmental Migration

What is environmental migration?

- Environmental migration is the **movement of people** due to environmental factors that make living conditions **difficult** or **unsafe**
- It is caused by:
 - Sudden-onset events (e.g. floods, storms, fires)
 - Slow-onset events (e.g. desertification, sea-level rise)

Causes of environmental migration

Sudden-onset events

- Flooding:
 - Intense rainfall or rising rivers can force people to leave their homes
 - E.g. Bangladesh experiences regular flooding, displacing thousands of people annually
- Cyclones and storms:
 - Destructive winds and rain can damage homes and infrastructure
 - E.g. Mozambique has faced repeated cyclones in recent years
 - Cyclone Idai (2019) and Cyclone Kenneth (2019) caused widespread devastation and emigration, displacing hundreds of thousands of people
 - Many were forced to migrate internally or across borders due to destroyed homes and agricultural lands
- Forest fires:
 - Wildfires destroy homes, farmland, and infrastructure
 - E.g. widespread wildfires in **Australia** (2019–2020) forced thousands to evacuate affected regions

Slow-onset events

- Desertification:
 - The spread of arid conditions reduces land fertility, leading to food insecurity

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- E.g. the **Sahel region** of Africa suffers from desertification, forcing people to migrate to urban centres or across borders
- Sea-level rise:
 - Rising seas increase storm surges and submerge coastal areas, making them uninhabitable
 - E.g. **Tuvalu**, a Pacific island nation, faces significant migration to **New Zealand** due to flooding and land loss
- Saltwater inundation:
 - Saltwater intrusion damages agricultural lands, reducing crop production.
 - E.g. in **Bangladesh**, saltwater intrusion into farmlands forces rural families to migrate to cities
 - Many migrate to Dhaka, creating pressure on urban infrastructure

Impacts of Environmental Migration

- Some impacts of environmental migration include:
- On migrants:
 - Loss of homes, jobs, and communities
 - Increased vulnerability to poverty and exploitation
- On destination areas:
 - Overcrowding in urban areas or neighbouring countries
 - Pressure on housing, jobs, and public services
- On origin areas:
 - Abandonment of farmlands and villages
 - Loss of cultural heritage and traditions

