

Facilitation Tips and Handouts for Making Population Real Training Sessions

The training PowerPoint presentations accompany the following handouts. Tips for facilitating each session are also provided.

Training Sessions* at a Glance

* Exception: Training sessions for Population Fundamentals and People on the Move have not been developed, but basic information about these lesson plans is included in this table.

PRB Lesson Plan Titles	Population Issues and Concepts	Tools	Materials Needed	Handouts Needed
1. Population Fundamentals	<ul style="list-style-type: none"> - Basic terms - Population growth - Development - Age-dependency ratio 	<ul style="list-style-type: none"> - Definitions - Bar chart - Age-sex graph (population pyramid) 	Training session not developed	
2. The Demographic Transition	<ul style="list-style-type: none"> - Classic model of demographic transition - Recent patterns of demographic transition - Population growth - Development 	<ul style="list-style-type: none"> - Line graphs - The demographic transition model 	<ul style="list-style-type: none"> - Graphing paper - Pencils - Erasers 	<ul style="list-style-type: none"> - Data for Graphing - Data Tables
3. Populations in the Path of Natural Hazards	<ul style="list-style-type: none"> - Human & natural impacts of settlement in storm-prone areas - Population density - Population distribution - Geographic mobility 	<ul style="list-style-type: none"> - Population distribution maps - Weather data 	3 different colors of pens or markers	<ul style="list-style-type: none"> - Florida-Caribbean outline map - <i>Color</i> printouts of the 1995-2006 storm track data - "Deadliest" storms 1851-2004 - "Costliest" storms 1900-2004
4. HIV/AIDS & Contemporary Population Dynamics	<ul style="list-style-type: none"> - HIV/AIDS - Effects of income, age, gender, etc., on disease rates - Changing death rates - Regional differences 	<ul style="list-style-type: none"> - Line graphs - Choropleth maps 	5 different colors of pencils for each group	<ul style="list-style-type: none"> - AIDS Cases (per 100,000) by State, 2001-2002 (2 pages) - Blank Map of the United States
5. Population Policy—Progress Since Cairo	<ul style="list-style-type: none"> - International population policy - Gender and development - Population growth - Women's empowerment 	<ul style="list-style-type: none"> - Gender analysis - Data tables - Human Development Index 	Pens or pencils	<ul style="list-style-type: none"> - Evaluating the Status of Women and Children in Africa - The Data Collection Sheets (multiple pages) - Human Development Report Data Table (multiple pages)
6. People on the Move	<ul style="list-style-type: none"> - Internal U.S. migration - Migration within students' state - Mobility - Push and pull factors 	<ul style="list-style-type: none"> - Line graphs - Choropleth maps 	Training session not developed	
7. Global Migration Patterns	<ul style="list-style-type: none"> - Immigration - Ethnicity - Composition and structure of population - Refugees (not part of training session) 	<ul style="list-style-type: none"> - Line graph - Age-sex graphs (population pyramid) 	<ul style="list-style-type: none"> - Graphing paper - Pencils - Calculators 	<ul style="list-style-type: none"> - Immigration by Region of Last Residence - Blank Age-Sex Graph - U.S. Population Data by Age Group

Making Population Real—Lesson Plan 2: The Demographic Transition—A Contemporary Look at a Classic Model

Tips for Facilitating This Training Session

General Description of the Lesson Plan

Student Activities and Exercises:

1. Explaining Population Change
 - Graph changing birth and death rates in England (*included in workshop presentation*)
 - Graph and compare rates for Sweden and Mexico to the classic model
2. Global Population Patterns and Demographic Transitions
 - Assess how demographic characteristics vary among world regions
 - Assess if there is a correlation between demographic indicators and economic well-being
3. Can an Old Model Explain New Trends?
 - Compare national population patterns to the model and assess if the model is useful for developing countries (*included in workshop presentation*)

(For more detail about these activities, see the actual lesson plans at www.prb.org/educators.aspx)

Focus Area(s) for This Training Session

This training session provides an approach for comparing the “classic” model of the demographic transition to what is actually happening in developing countries. Participants will be introduced to the model and practice a couple of graphing exercises described in the lesson plan. During the session, they will learn techniques for working with students in discussing the usefulness of the demographic transition model.

Recommended Reading to Prepare for This Discussion

The first two pages of “Transitions in World Population,” *Population Bulletin* 59.1

Materials Needed

- “DemoTrans” PowerPoint presentation
- Graphing paper, pencils, and erasers for each participant/group

Group Size

For large sessions (more than 25 people), groups of 2-3 people

Handouts Needed (following this page)

- Data for Graphing
- Data Tables

1 copy per person/group

General Guidance for Carrying Out a 45-Minute Session

- Introduction: Introduce yourself and the topic by reviewing slides 1-5 (5 minutes).
- Overview: Review content on slides 6-8 (5 minutes).
- Group Work 1: At slide 9, distribute the first handout, graphing paper, pencils, and erasers for everyone to construct the graph of England. Provide them with time to create their graphs and then, at slide 11, facilitate a 3-5 minute discussion (15 minutes).
- Group Work 2: At slide 12, distribute the second handout and more graphing paper. Assign one country to each individual or group to create their graphs (10 minutes).
 - If the session is large, break the room into groups of 2-3 people.
- Discussion: Engage the full session in a discussion with slide 14 (5 minutes).
- Wrap up: Use slide 15 to wrap up the activity and spend the last 5 minutes on the final slides introducing the full lesson plan, Making Population Real, and PRB (5 minutes).

For 3-hour workshop: If you are using these materials as a part of the 3-hour workshop, omit the last four slides (16-19), as you’ll have covered them with the Overview presentation about Making Population Real and PRB.

Data for Graphing

Birth and Death Rates in England

Year	CBR	CDR	Population
1750	40	40	6
1800	34	20	9
1850	34	22	18
1900	28	16	32
1950	16	12	44
2000	11	10	60

Data Tables

Mauritius				Cameroon		
Year	CBR	CDR	Population	CBR	CDR	Population
1953			0.54			5.07
1958			0.63			5.44
1963	40.4	9.7	0.72			5.89
1968	31.6	9.2	0.80			6.46
1973	23.0	7.8	0.86	46.2	15.5	7.18
1978	27.1	7.1	0.93	46.1	15.0	8.21
1983	20.9	6.5	1.00	44.5	13.7	9.56
1988	19.8	6.5	1.05	43.1	12.9	11.20
1993	20.2	6.7	1.11	39.8	13.1	12.92
1998	17.1	6.9	1.16	38.2	14.3	14.64
2003	16.1	6.8	1.21	37.4	14.2	16.49

Singapore				Nepal		
Year	CBR	CDR	Population	CBR	CDR	Population
1953			1.19			9.28
1958	41.2	7.0	1.52			9.79
1963	33.2	5.7	1.80			10.50
1968	23.5	5.5	2.01			11.47
1973	22.0	5.4	2.19	44.4	22.3	12.68
1978	16.8	5.1	2.35	44.8	20.0	14.28
1983	16.2	5.3	2.69	42.8	17.0	16.20
1988	20.0	5.2	2.87	39.7	14.0	18.37
1993	15.1	4.4	3.33	37.0	11.9	20.85
1998	11.2	4.0	3.90	34.7	10.8	23.56
2003	9.8	3.9	4.28	32.5	9.8	26.47

Source: U.S. Census Bureau International Data Base, Tables 001 and 008 accessed online at <http://www.census.gov/ipc/www/idbprint.html>, February 5, 2007.