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EL COLEGIO DE MÉXICO



# AGEING IN LATIN AMERICA: HETEROGENEOUS TIMING AND ITS IMPLICATIONS

Expert Group Meeting on Measuring Population ageing: bridging research and policy  
Population Division, DESA, IIASA, Chulalongkorn University, ESCAP

**SILVIA ELENA GIORGULI SAUCEDO**

Professor and President, El Colegio de México

BANGKOK, 25-26 FEBRUARY, 2019



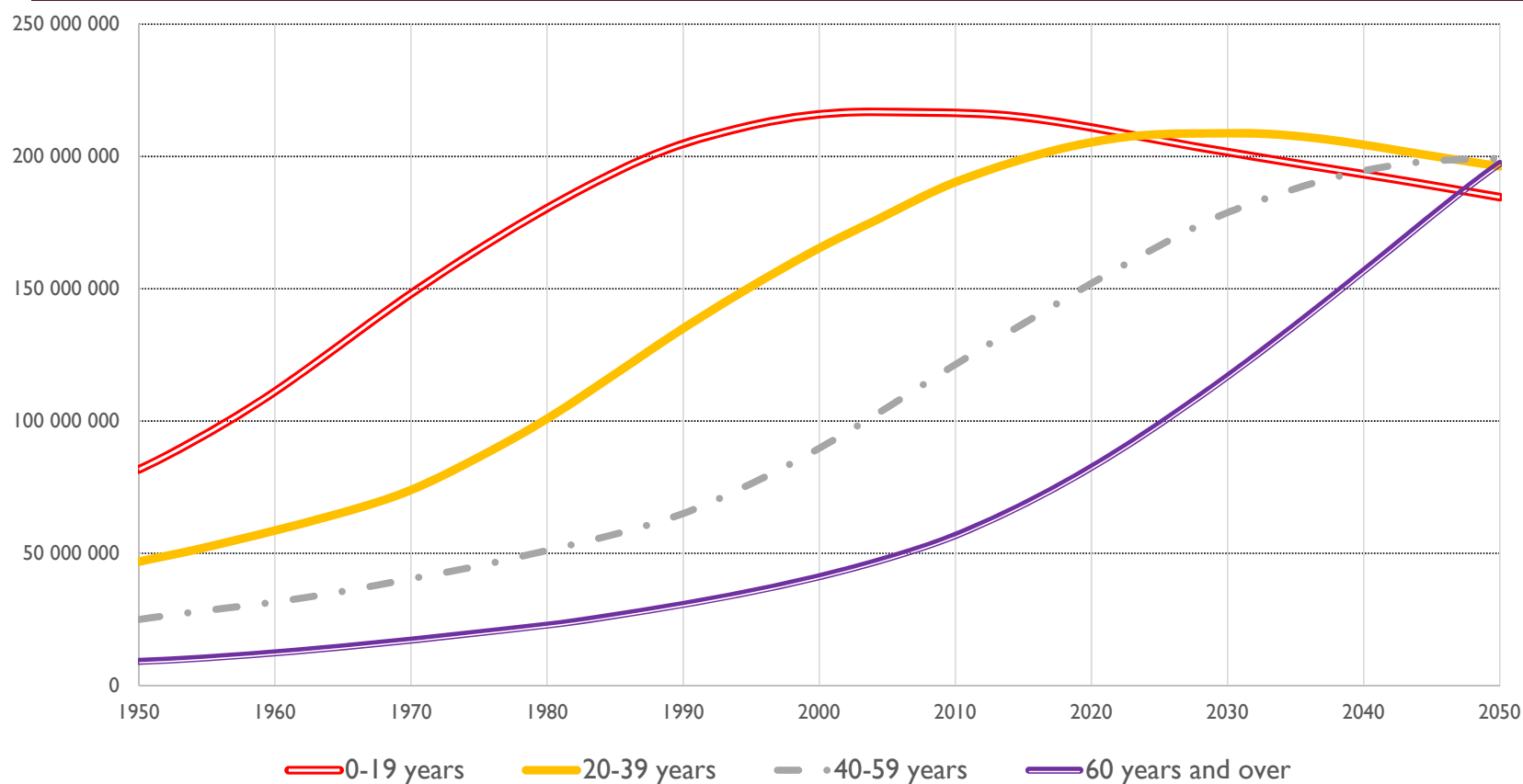
Heterogeneous timing in population change  
but demographic convergence in Latin America  
(the cases of Guatemala, Uruguay and Mexico)

# Selected demographic indicators 1950-2050, Latin America, Guatemala, Mexico and Uruguay

	Latin America	Guatemala	Mexico	Uruguay
<b>Total Fertility Rate</b>				
1950-55	5.9			
2000-05	2.5			
2020-25	2.0			
2050-55	1.9			
<b>Life expectancy</b>				
1950-55	51.9			
2000-05	72.5			
2020-25	76.9			
2050-55	82.3			

Source: CELADE - Population Division of ECLAC. 2016 Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>

# Population in Latin America by age groups, 1950-2050



Source: CELADE - Population Division of ECLAC. 2017 Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>

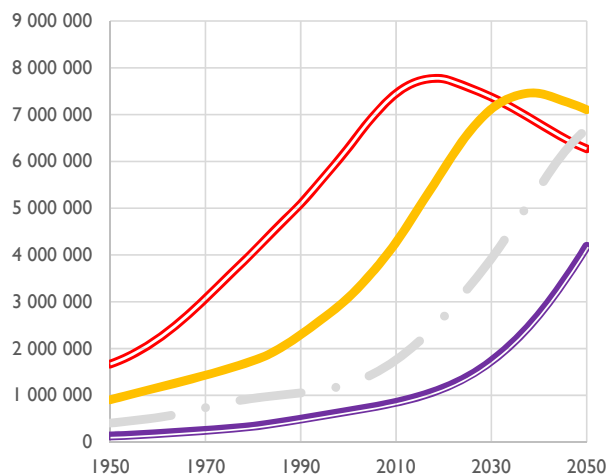
# Selected demographic indicators 1950-2050, Latin America, Guatemala, Mexico and Uruguay

	Latin America	Guatemala	Mexico	Uruguay
<b>Total Fertility Rate</b>				
1950-55	5.9	7.2	6.8	2.7
2000-05	2.5	4.4	2.6	2.2
2020-25	2.0	2.3	2.2	1.9
2050-55	1.9	1.8	2.1	1.7
<b>Life expectancy at birth</b>				
1950-55	51.9	41.5	48.0	66.2
2000-05	72.5	67.9	74.4	74.8
2020-25	76.9	74.3	77.9	78.1
2050-55	82.3	80.5	83.0	82.8

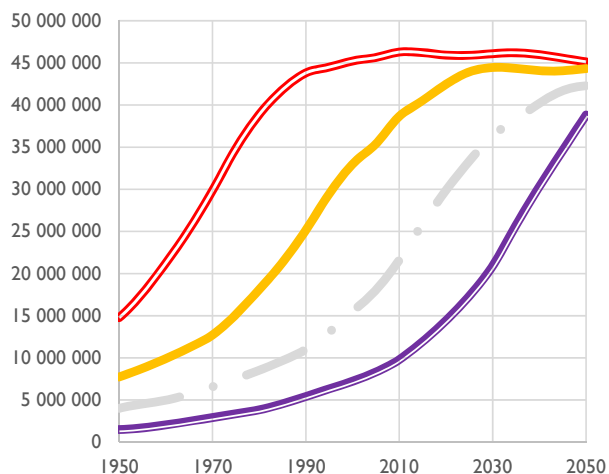
Source: CELADE - Population Division of ECLAC. 2016 Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>

# Population by age groups in Guatemala, Mexico and Uruguay, 1950-2050

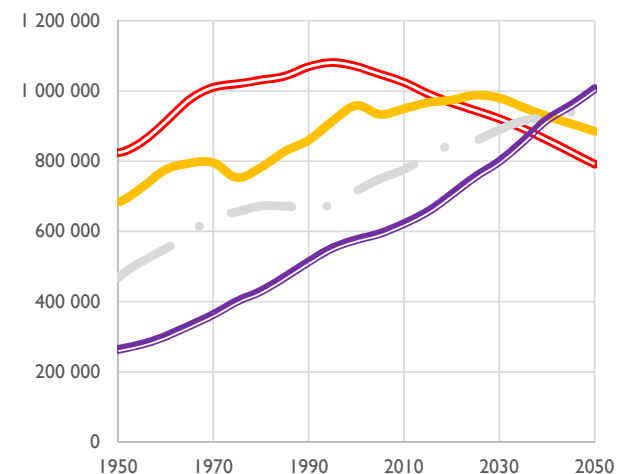
## Guatemala



## Mexico



## Uruguay



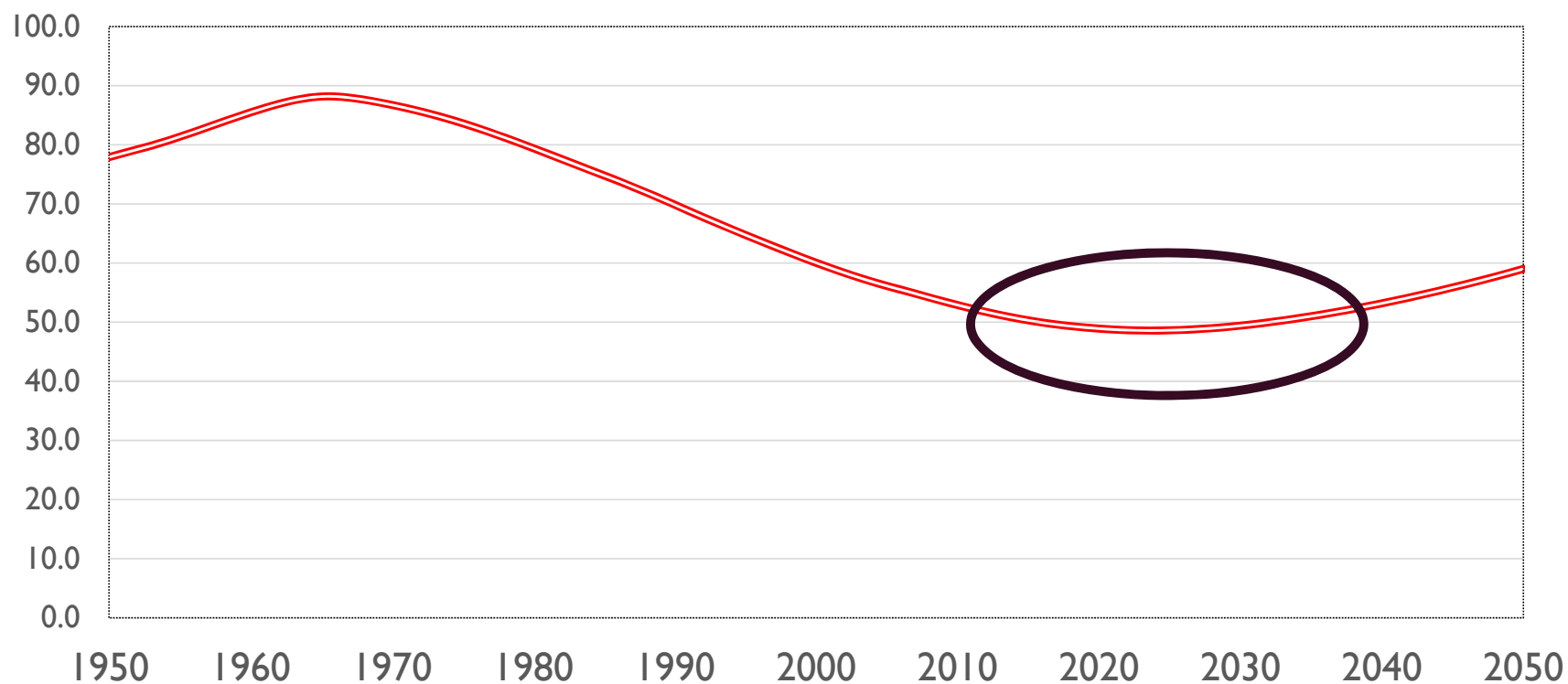
— 0-19 years — 20-39 years — 40-59 years — 60 years and over

Source: CELADE - Population Division of ECLAC. 2016 Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>



Different timing in age dependency ratios,  
demographic dividends and ageing

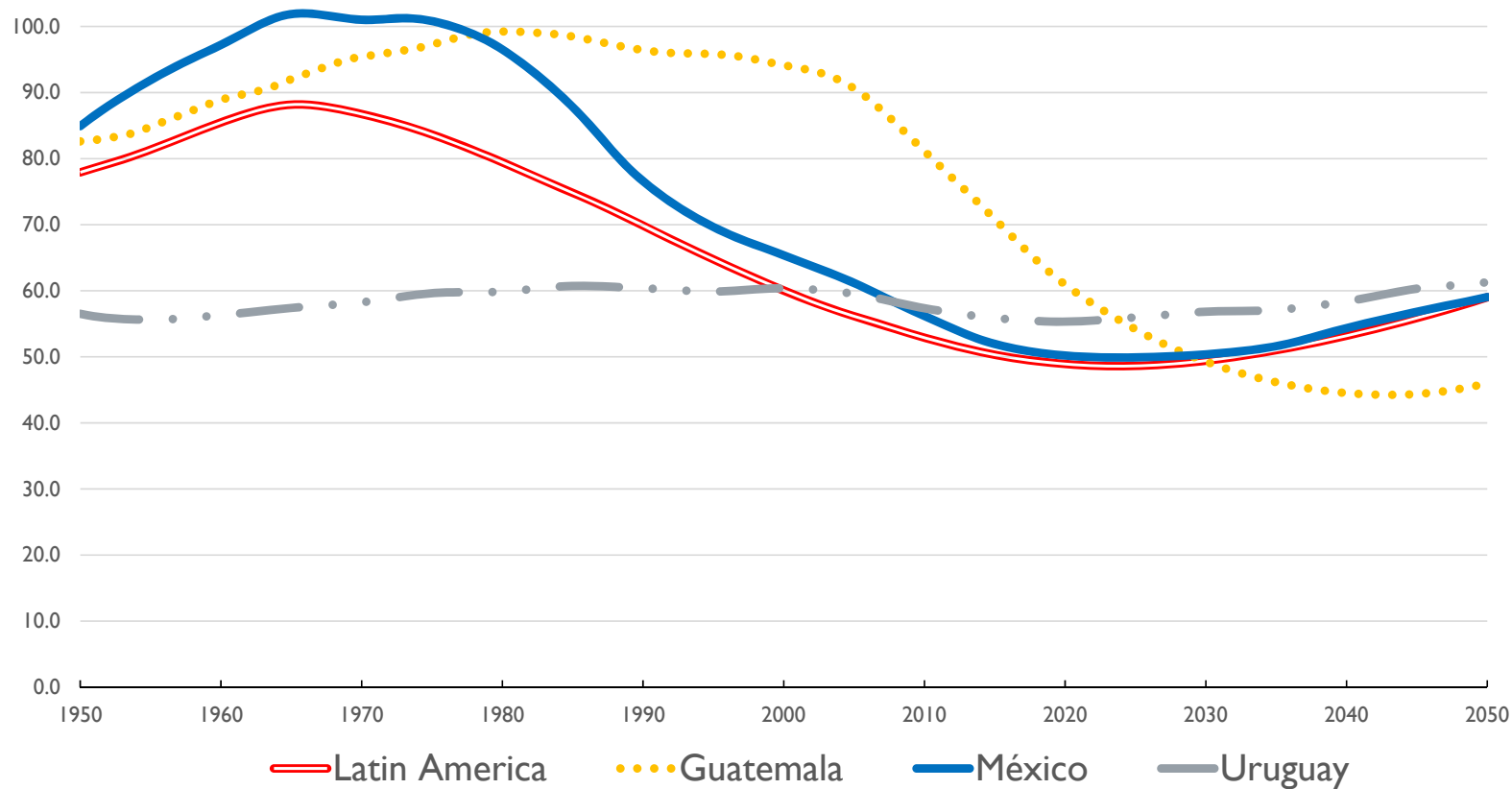
## Latin America. Evolution of the Dependency Ratio (per 100), 1950-2050



Source: Own elaboration based on CELADE - Population Division of ECLAC. 2016 Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>

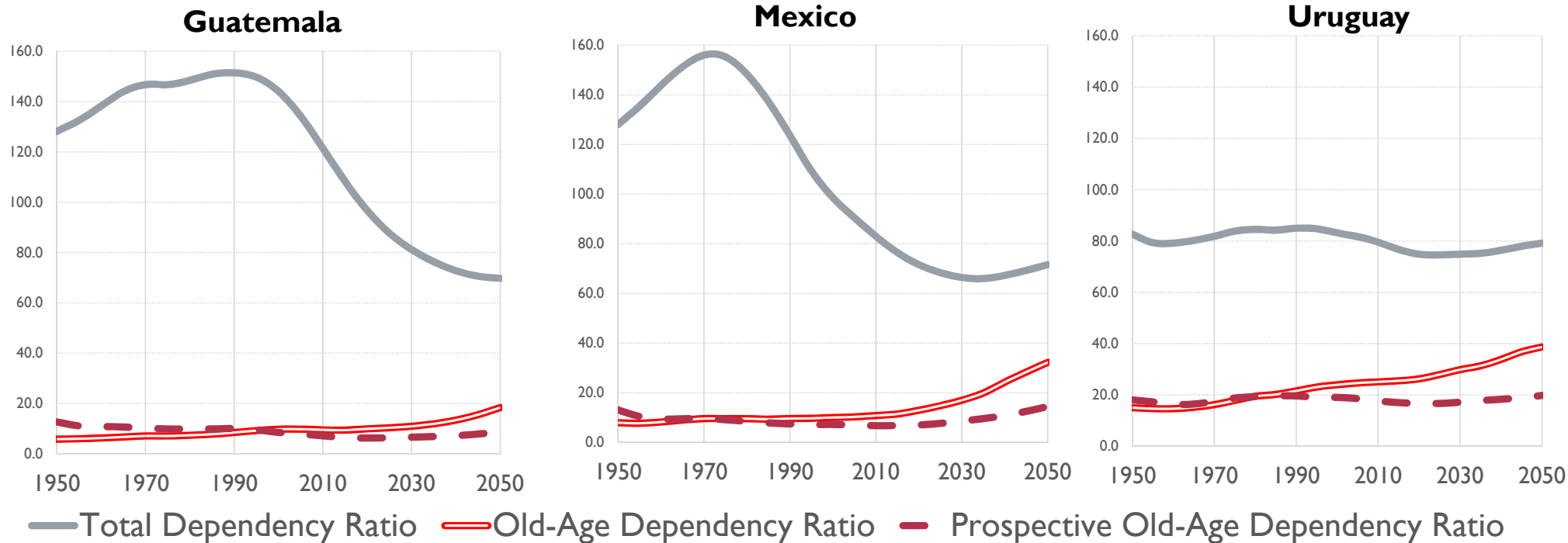


# Evolution of the Dependency Ratio (per 100), region and countries selected, 1950-2050



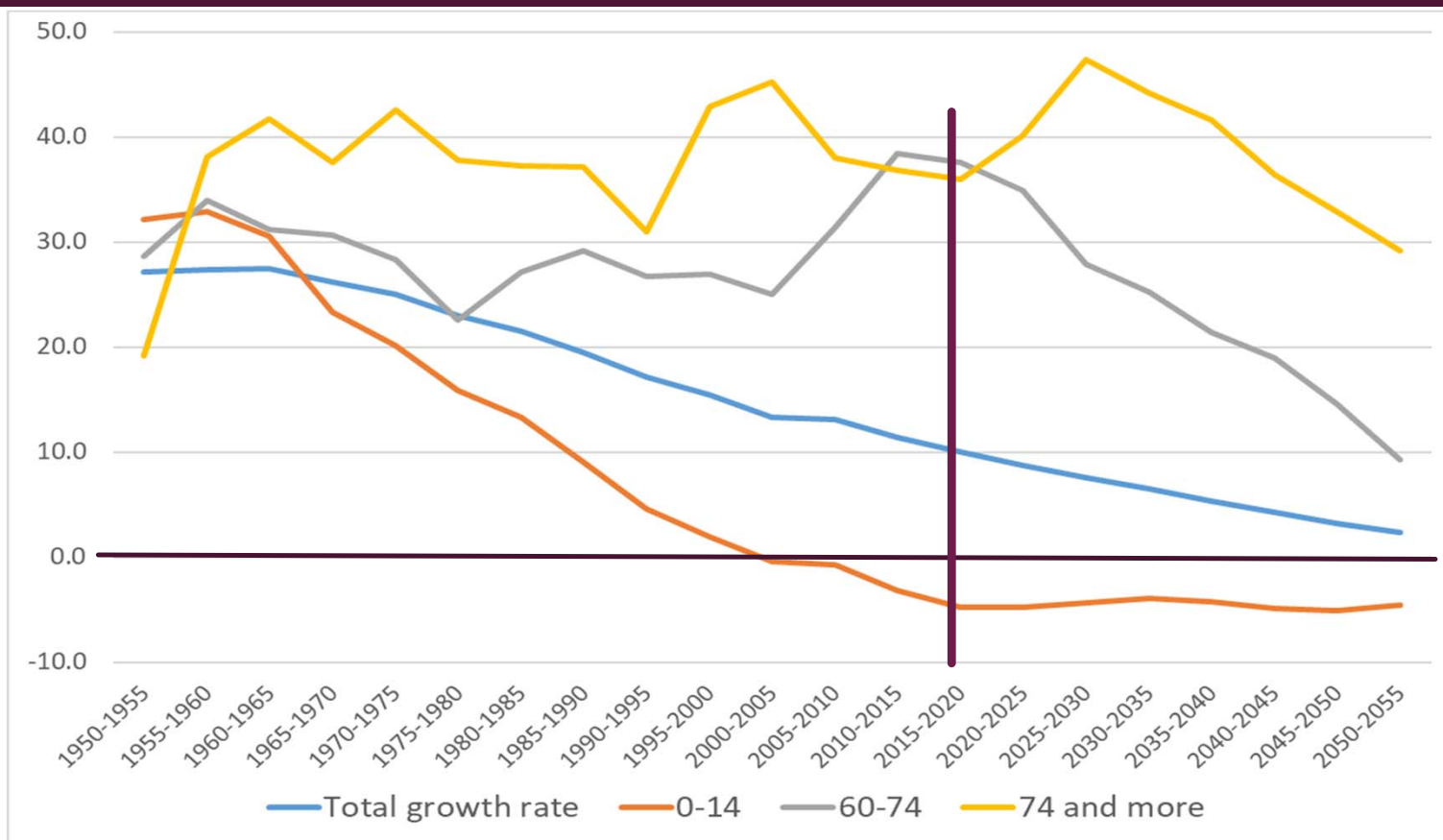
Source: Own elaboration based on CELADE - Population Division of ECLAC, 2016  
Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>

# Total and old-age dependency ratios in Guatemala, Mexico and Uruguay, 1950-2050



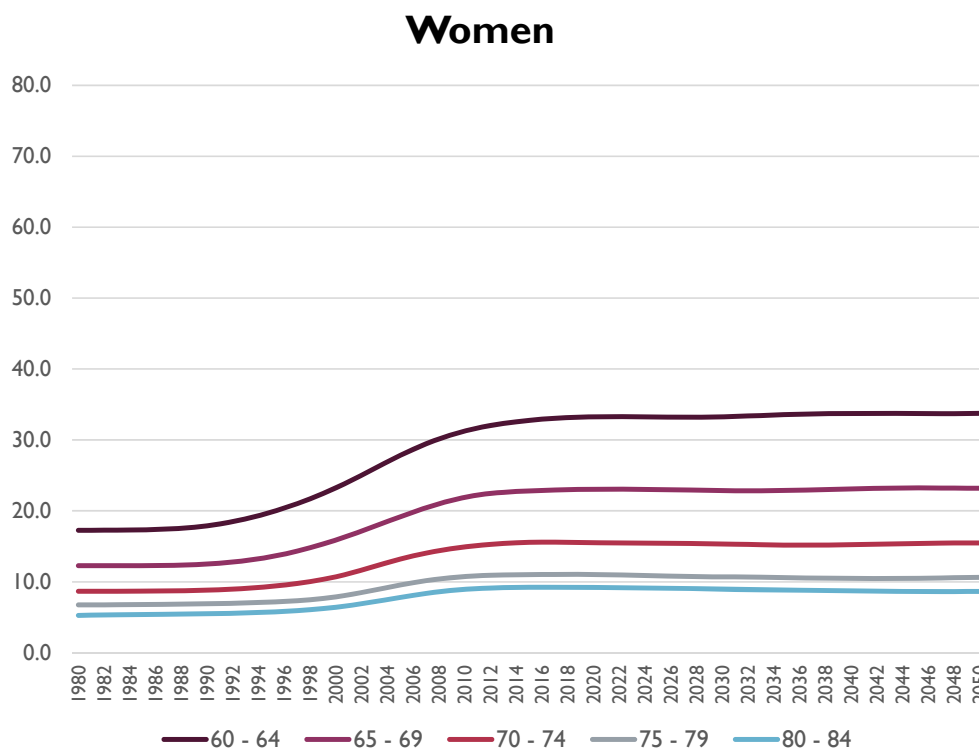
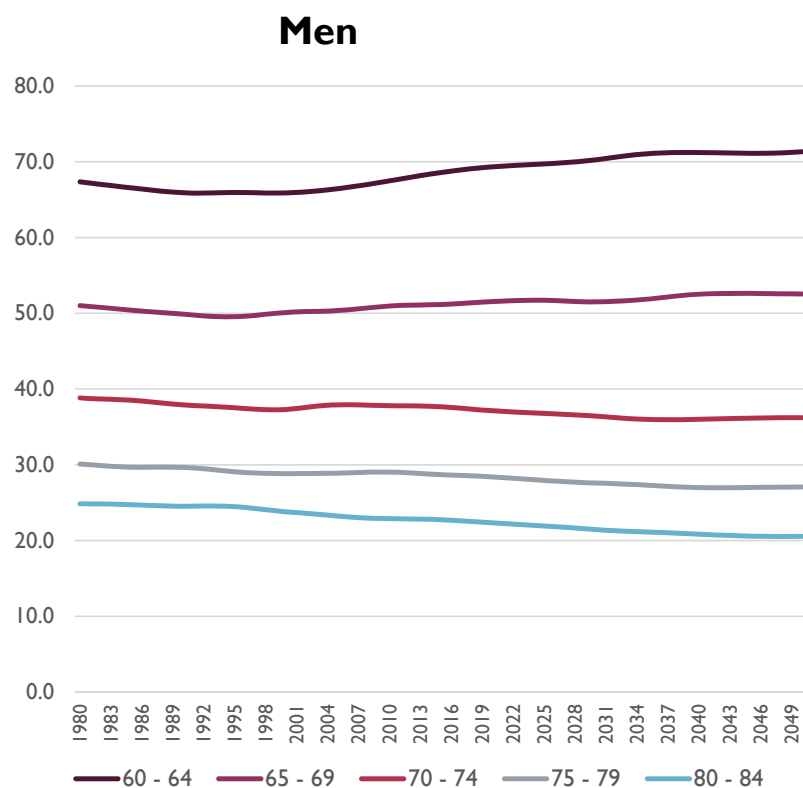
Source: CELADE - Population Division of ECLAC. 2016 Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa> and IIASA estimates for the Prospective Old-Age Dependency Ratio

# Total and old age population growth (1 000), 1950-2050, Latin America



Source: CELADE - Population Division of ECLAC, 2016 Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>

# Labor participation rates after (population 60 and over), 1980-2050, Latin America



Source: CELADE - Population Division of ECLAC. 2016 Revision. Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>

# Labor participation rates after (population 60 and over), 2020, Guatemala, Mexico and Uruguay

Age group	Uruguay		Mexico		Guatemala	
	Men	Women	Men	Women	Men	Women
60-64	62	40	77	33	83	33
65-69	38	22	63	24	73	27
70-74	18	9	44	17	65	22

Source: CELADE - Population Division of ECLAC, 2016 Revision, Available at: <https://www.cepal.org/es/temas/proyecciones-demograficas/estimaciones-proyecciones-poblacion-total-urbana-rural-economicamente-activa>

## The demographic dividend and the ageing processes are linked

WORKING AGE  
POPULATION



- Human Capital investment.
- Characteristics of the labor market
- Informal labor market

AGEING

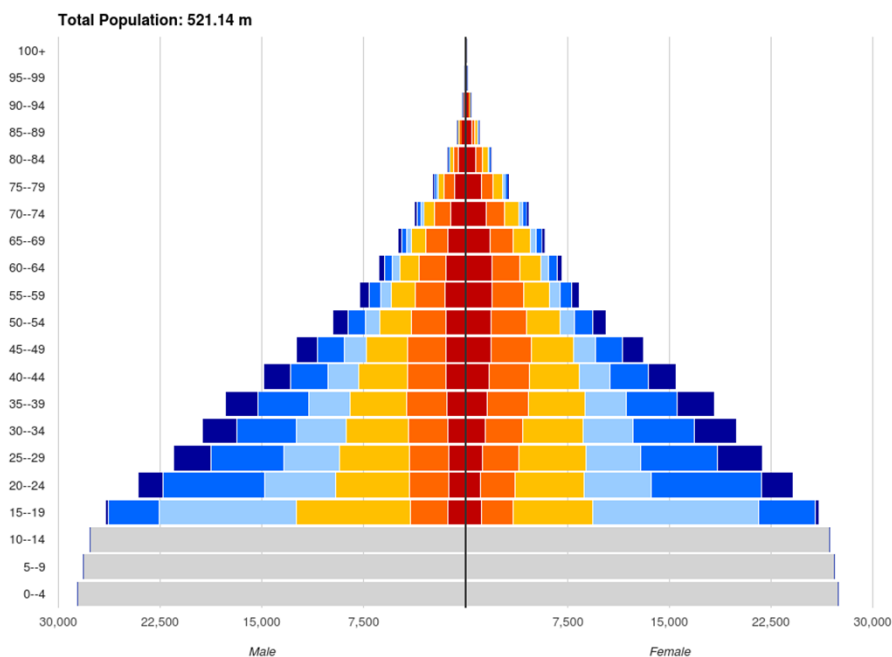


- Care system
- Pension system

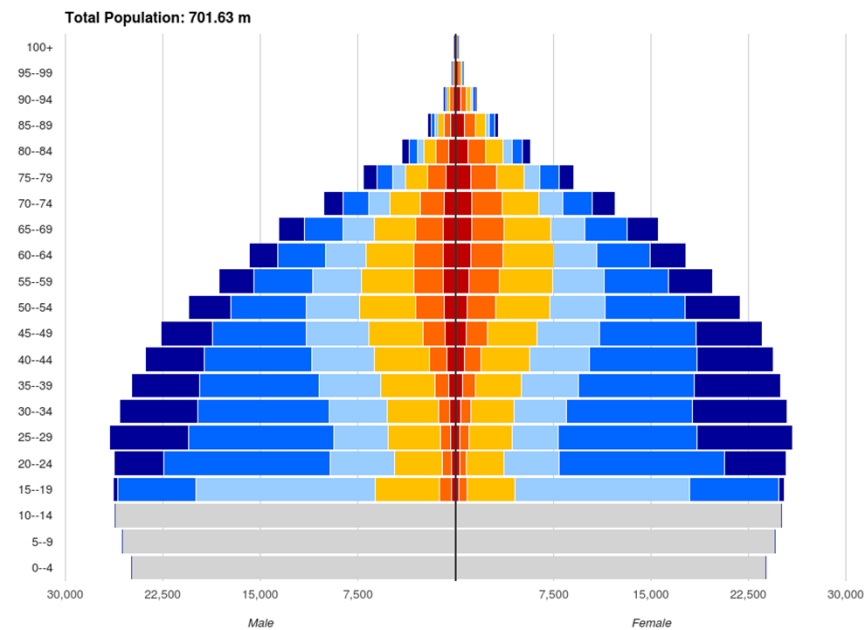
WELFARE REGIME

# Latin America. Distribution of educational attainment by age group, 2000 and 2030

2000



2030

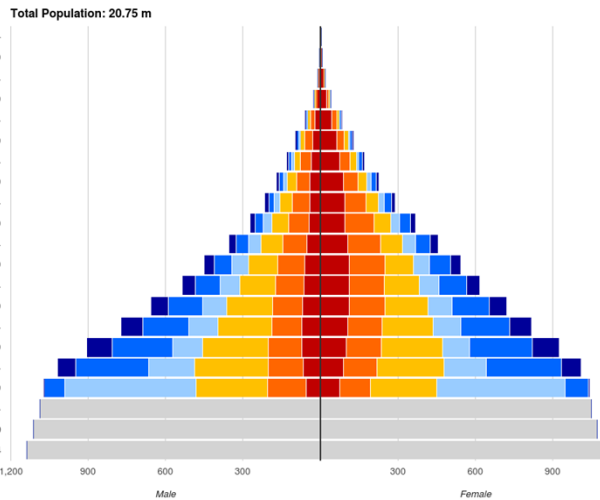


Under 15
  No Education
  Incomplete Primary
  Primary
  Lower Secondary
  Upper Secondary
  Post Secondary

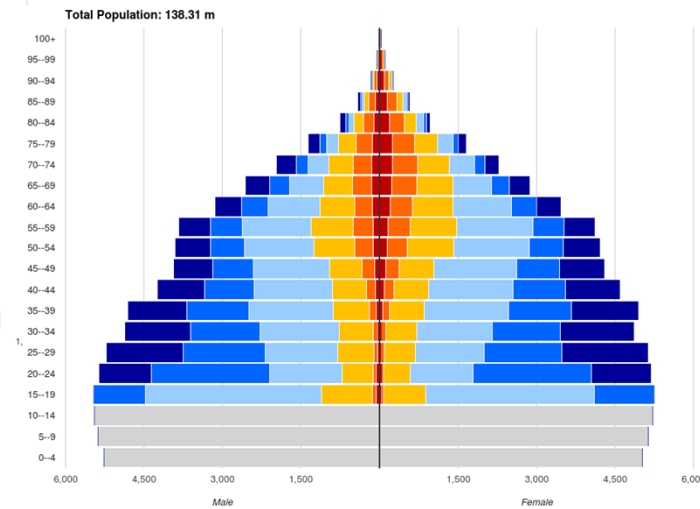
Source: Wittgenstein Centre for Demography and Global Human Capital, (2015). Wittgenstein Centre Data Explorer Version 1.2 Available at: [www.wittgensteincentre.org/dataexplorer](http://www.wittgensteincentre.org/dataexplorer)

# Distribution of educational attainment by age group. Guatemala, Mexico and Uruguay, 2030

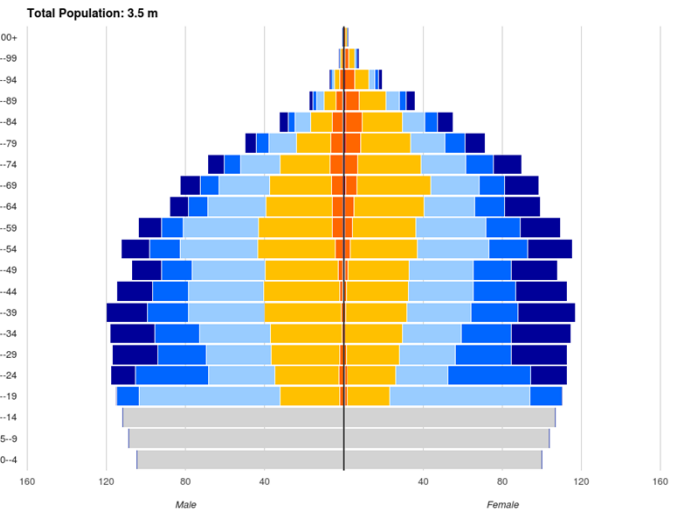
## Guatemala



## Mexico



## Uruguay



Under 15
  No Education
  Incomplete Primary
  Primary
  Lower Secondary
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Source: Wittgenstein Centre for Demography and Global Human Capital, (2015). Wittgenstein Centre Data Explorer Version 1.2 Available at: [www.wittgensteincentre.org/dataexplorer](http://www.wittgensteincentre.org/dataexplorer)



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Thank you, Gracias

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