



Lessons from emerging markets

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Global pension trends

Rapidly aging populations



Deficit of young workers



Surplus of aging and elderly

Public pensions under stress



Adequacy Sustainability

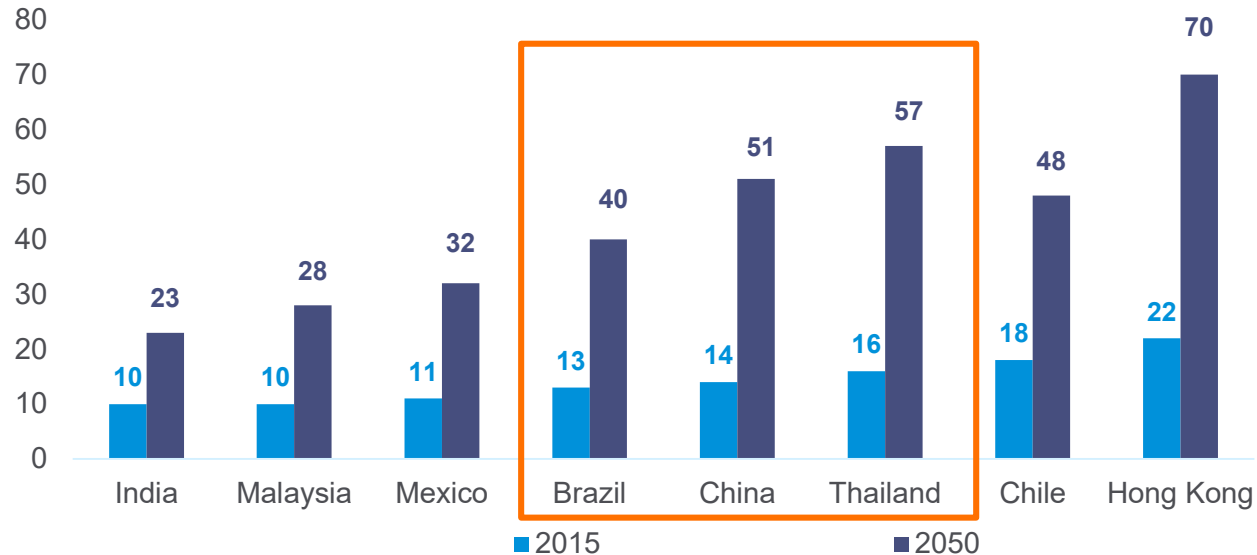
Era of personal responsibility



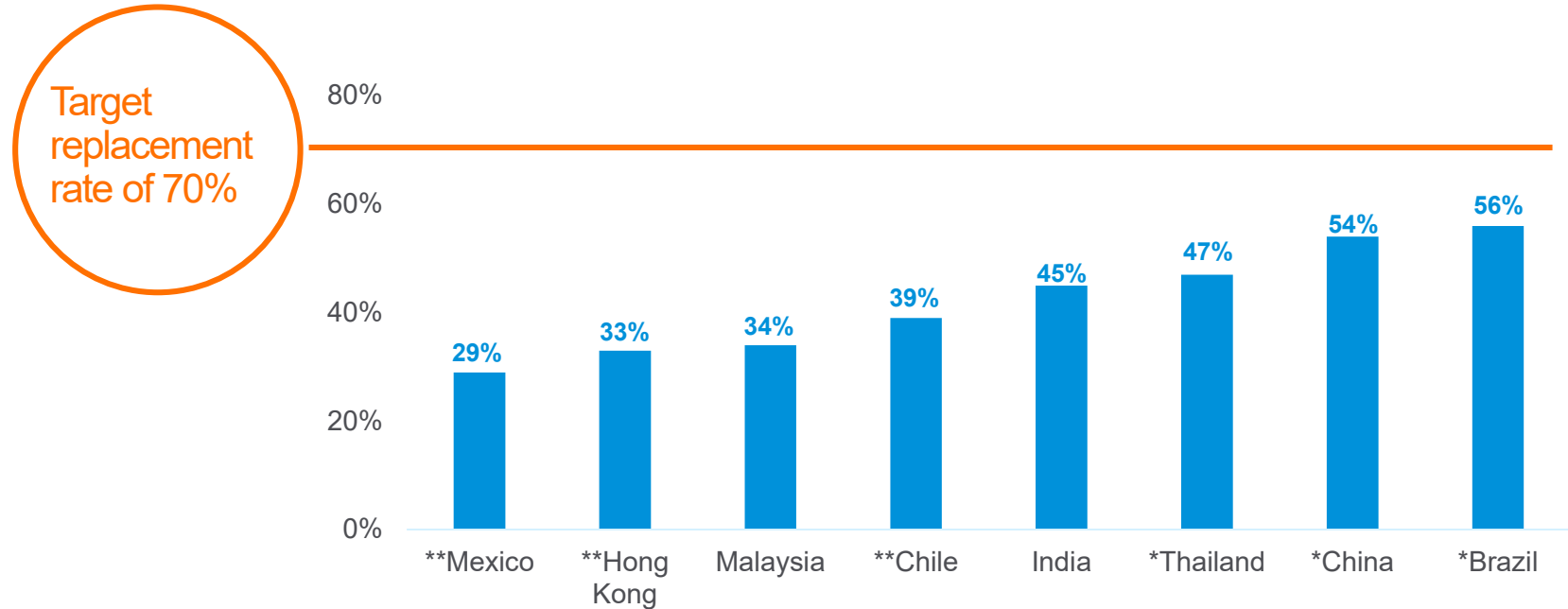
in a world of instant gratification

Rising dependency ratios = PAYGO systems at risk

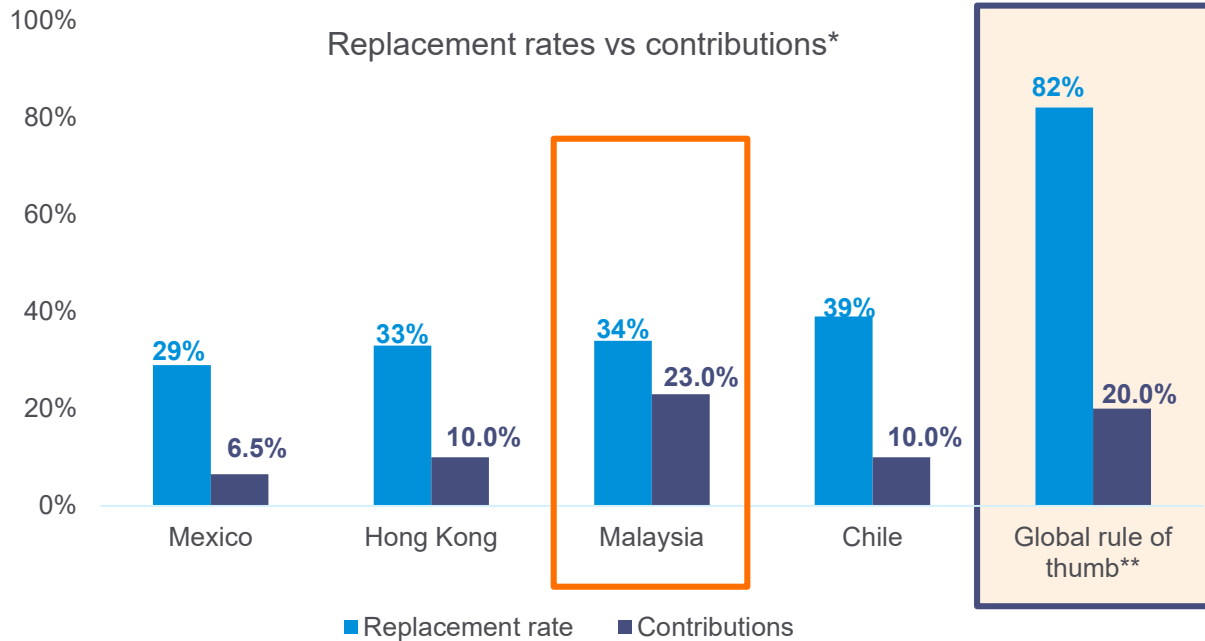
Aged dependency ratio: Number of elderly adults (aged 65 & over) per 100 working-age adults (aged 20-64) in 2015 and 2050



Inadequate replacement ratios = a signal for needed change



Need for sound plan design and investment management



Source: OECD. *Employer and employee. **Assumes 4.5% real rate of return, 2% real wage growth over a 40 year career with 65-year old retirement age.

Individuals can't rely on government-sponsored systems = the era of personal responsibility



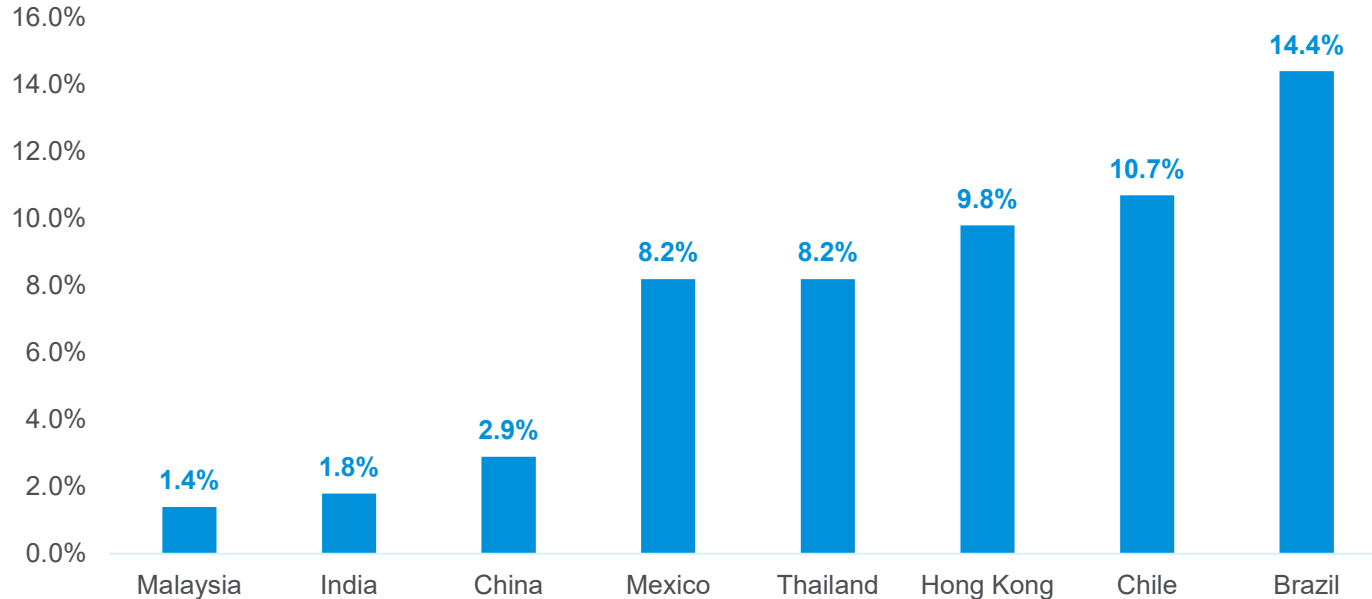
MIND THE GAP



Voluntary savings are needed

Participation in voluntary pension plans is low...

Contributors to formal-sector voluntary pension systems,
as a percent of the labor force in 2015 or 2016






So how do we make pensions work?

Observations from our markets

- It needs to be multi-pillar with a mandatory employment based pillar

Brazilian Pension System

	Pillar 0 Welfare benefits access No income tax e.g.: “Bolsa Família” 	Pillar 1 Social Security System - compulsory and contributory By time and age 	Pillar 2 Not existent Mandatory system with private management	Pillar 3 Complementary system Open and Closed Pension Funds (voluntary) 
No. of contributors	Funded from fiscal budget	52.5 mil (50.4% of labour force)	Non-existent	12.9 mil (12.4% of labour force)
Pension Design	na	PAYG	Non-existent	Fully Funded

So how do we make pensions work?

Observations from our markets

- Spreading the load from Pillar 1 to 2 & 3 is critical; a clear path to a long transition is needed

Chile



- “**Recognition**” bonds issued in recognition of contribution made to Pillar 1.
- Bonds accrue (inflation adjusted) interest of 4% per annum.
- Paid as a bullet payment on the date of retirement (earlier in the event of death or disability).
- Bonds were eventually allowed to be traded, and proceeds deposited into Pillar 2 account.

So how do we make pensions work?

Observations from our markets

- **Leverage behavioral economics**
 - *Systematic investment plans (India)*
 - *Metrics to support 'automatics' within employer plans (Thailand)*
- **Incorporate digital advice and sales**
 - *Retirement readiness (Mexico, Chile, and Thailand)*
 - *Increase in voluntary savings (China)*
 - *Integrated 'one stop' shop (Chile)*
- **Continue the conversation**
 - *Work alongside governments and regulators to advocate for sound pension policy (OECD, COA, WEF, etc.)*
 - *Collaborate to produce research that promotes financial literacy (OECD, WEF, Chile MF Association, GAI, etc.)*
 - *Share trends/observations learned from doing business as a global retirement and long-term savings provider*



Thank you