

ECONOMICS

Fiscal Redistribution and Ethnoracial Inequality in Bolivia, Brazil, and Guatemala

Nora Lustig

Tulane University, US nlustig@tulane.edu

Afro-descendants and indigenous peoples in Latin America face higher poverty rates and are disproportionately represented among the poor. The probability of being poor is between two and three times higher for indigenous and Afro-descendants than whites. Using comparable fiscal incidence analyses for Bolivia, Brazil, and Guatemala, I analyze how much poverty and inequality change in the ethnoracial space after fiscal interventions. Although taxes and transfers tend to reduce the ethnoracial gaps, the change is very small. While per capita cash transfers tend to be higher for the nonwhite population, spending on these programs is too low, especially when compared with the disproportionate number of poor people among nonwhites.

Introduction

Ethnic and racial differences in human capital and earnings are one of the key determinants of inequality in Latin America (De Ferranti et al. 2004; Hall and Patrinos 2006; Ñopo 2012). Although the specific social dynamics faced by Afro-descendants and indigenous peoples differ, both of these populations have systematically higher poverty rates and are disproportionately represented among the poor. Fiscal redistribution is one of the policy levers the state has to address ethnoracial inequalities. As shown in a series of existing studies that apply the common methodological framework developed at the Commitment to Equity Institute (Tulane University), fiscal policy unambiguously reduces income inequality, albeit to different degrees.²

Does fiscal policy also reduce income inequality between ethnic and racial groups?³ This article analyzes the effects of fiscal policy on inequality along ethnic and racial lines for Bolivia, Guatemala, and Brazil in 2009, the year for which comparable analysis for these three countries is available.⁴ These three countries were selected because they have large Afro-descendant (Brazil) and indigenous (Bolivia and Guatemala) populations, and welfare gaps between whites and nonwhites are quite high. Using the self-identification method to classify individuals,⁵ the indigenous populations in Bolivia and Guatemala represent 54.2 and

¹ Furthermore, these groups have lower education levels, lower earnings and access to services, and are more likely to work in low-productivity jobs in the informal sector.

² The framework has been applied to close to thirty low- and middle-income countries. Results can be found in Afkar, Jellema, and Wai-Poi (2017), Alam, Inchauste, and Serajuddin (2017), Aristy-Escuder et al. (2017), Arunatilake, Inchauste, and Lustig (2017), Beneke, Lustig, and Oliva (2017), Bucheli et al. (2014), Cabrera, Lustig, and Moran (2015), Cancho and Bondarenko (2017), Enami (2017), Higgins and Pereira (2014), Higgins and Lustig (2016), Higgins et al. (2016), Hill et al. (2017), ICEFI (2017a, 2017b), Inchauste et al. (2015), Jellema et al. (2017), Lopez-Calva et al. (2017), Lustig (2015, 2016, 2017a, 2017b), Lustig and Pessino (2014), Lustig, Pessino, and Scott (2014), Llerena et al. (2015), Martinez-Aguilar et al. (2017), Melendez and Martinez (2015), Molina (2016), Paz Arauco et al. (2014), Rossignolo (2016), Sauma and Trejos (2014), Scott (2014), Shimeles et al. (2016), Younger and Khachatryan (2017), Younger, Myamba, and Mdadila (2016), and Younger, Osei-Assibey, and Oppong (2017). Also see CEQ Working Paper series available at: www.commitmentoequity.org.

³ In this article, fiscal redistribution, fiscal policy, fiscal interventions, and taxes and transfers policy are used interchangeably.

⁴ In-kind transfers in the form of free or quasi-free education and health services are not analyzed here.

⁵ Although self-identification can be a subjective term and discrimination is more likely to be based on how others view an individual, data in Latin America is typically collected using the self-identification approach. In Bolivia and Guatemala, surveys allow for individuals to identify with a specific indigenous people. For the purpose of this analysis, we have followed the convention of aggregating all of these groups into one so as to ensure that sample sizes are ample enough to perform the analysis. In cases where an individual is not asked to self-identify in the survey questionnaire, the identity of the head of the household is imputed if the individual is a direct relative. Otherwise the person is considered "other" and as such not included in this analysis.

40.7 percent of the total populations, respectively, the largest shares in the region. In the last census round in Brazil, 50.8 percent of the national population self-identified as Afro-descendant, the largest both in absolute and relative terms in Latin America.⁶

A salient indicator of ethnoracial inequality is the extent to which the indigenous and Afrodescendant populations are disproportionately underrepresented among the higher income groups and disproportionately overrepresented among the poor.⁷ If whites and nonwhites were similarly affected by social circumstances and market forces, one would expect the share of the nonwhite population at every income stratum to be roughly equal to its share in the total population. However, this is far from true. In Bolivia, Brazil, and Guatemala, the share of the nonwhite population is roughly 54.2, 50.8, and 40.7 percent, respectively. And, yet, before fiscal redistribution, nonwhites represent 71.7 percent in Bolivia, 74.2 percent in Brazil, and 60.8 percent in Guatemala. The overrepresentation of nonwhites among the poor is just the other side of the coin of how poverty affects the different ethnoracial groups. The indigenous and Afrodescendant peoples face a considerably higher probability of being poor than does the white population. The probability of being poor is measured by the head count ratio.⁸ In Bolivia and Guatemala, the head count ratio (with the national poverty line) is 14.7 and 20.6 percent, respectively, for the nonindigenous population, but 31.5 and 46.6 percent, respectively, for the indigenous population. In Brazil, the head count ratio is 5.2 percent for the white population but 14.6 percent for Afro-descendants.

To what extent does fiscal policy reduce the gap in the probability of being poor for different ethnic and racial groups? I will answer this question using fiscal incidence analysis, which essentially allows us to trace the changes in people's incomes from incomes before taxes and transfers to incomes after taxes and transfers. The specific components of fiscal policy looked at here are direct taxes and transfers (such as personal income tax and cash transfers), indirect taxes (such as value-added taxes or VAT and excise taxes), and subsidies (such as energy and food price subsidies). The article draws from the following Commitment to Equity Institute studies: Bolivia: Paz Arauco et al. (2013, 2014); Brazil: Higgins and Pereira (2013 and 2014) and Pereira (2017); and Guatemala: Cabrera, Lustig, and Moran (2015). The results can be compared across countries because the studies use the same fiscal incidence methodological framework, described in Lustig and Higgins (2013) and Lustig (2017a). The household surveys used for the analyses are, in Bolivia, Encuesta de Hogares, 2009; in Brazil, Pesquisa de Orçamentos Familiares, 2009; and in Guatemala, Encuesta Nacional de Ingresos y Gastos de las Familias, 2009–2010.

In the three countries, although fiscal policy reduces ethnoracial gaps, the change is negligibly small and in some instances does not exist. While, as I will show below, cash transfer programs targeted to the poor tend to redistribute more resources to Afro-descendants and indigenous groups, they are too small to make a significant difference in terms of ethnoracial differentials in poverty rates.

Fiscal Incidence Analysis: A Brief Overview

Fiscal incidence analysis is used to assess the distributional impacts of a country's taxes and transfers. ¹⁰ Essentially, it consists of allocating taxes and public spending (particularly social spending) to households or individuals so that one can compare incomes before with incomes after net taxes. The fiscal incidence analysis used here—known as the "accounting approach"—is a point-in-time analysis and does not incorporate behavioral or general equilibrium effects. That is, no claim is made that the original or market income equals the true counterfactual income in the absence of taxes and transfers. It is a first-order approximation that measures the average incidence of fiscal interventions.

However, the analysis is not a mechanically applied accounting exercise. The incidence of taxes is the economic rather than statutory incidence. Consistent with other conventional tax incidence analyses, here we assume that the economic burden of direct personal income taxes is borne by the recipient of income. The burden of payroll and social security taxes is assumed to fall entirely on workers. It is assumed that individual income taxes and contributions by both employees and employers, for instance, are borne by

⁶ In Brazil, although data is available for whites, Asians, blacks (*pretos*), *pardos* (literally, brown), and indigenous, for the purpose of this analysis "nonwhite population" refers to Afro-Brazilians, which is the combination of pretos and pardos, with pardos representing the majority of the group (43 percent of total population). Disaggregated data for the different ethnoracial groups is available on request.

While the ethnoracial divide exists well beyond the income/consumption space, for the purposes of a fiscal incidence analysis we focus on the latter.

⁸ Head count ratio is the total number of people living below the poverty line as a proportion of the total population.

⁹ These studies were produced under the Commitment to Equity and Inter-American Development Bank (CEQ-IADB) project "Incidence of Taxes and Social Spending by Ethnicity and Race," led by Nora Lustig.

¹⁰ This section draws from Lustig and Higgins (2013) and Lustig (2017a).

labor in the formal sector. Individuals who are not contributing to social security are assumed to pay neither direct taxes nor contributions. Consumption taxes are assumed to be shifted forward to consumers. In the case of consumption taxes, the analyses take into account the lower incidence associated with own consumption, rural markets, and informality. These assumptions are strong because, in essence, they imply that labor supply is perfectly inelastic and that consumers have perfectly inelastic demands for goods and services. In practice they provide a reasonable approximation.¹¹

A fiscal incidence study must start by defining the basic income concepts that are used to assess the effects of fiscal policy on people's incomes and their distribution. In this article, there are three basic income concepts.

Market income, also called primary or original income, is total current income before direct taxes and transfers.¹² It equals the sum of gross (pretax) wages and salaries in the formal and informal sectors (also known as earned income); income from capital (dividends, interest, profits, rents, and so on) in the formal and informal sectors (excluding capital gains and gifts); consumption of own production; imputed rent for owner-occupied housing; and private transfers (remittances, pensions from private schemes, and other private transfers such as alimony).

Disposable income is market income minus direct personal income taxes on all income sources (included in market income) that are subject to taxation plus direct government transfers (mainly cash transfers but also including near-cash transfers such as food transfers, free textbooks, and school uniforms).

Consumable income is disposable income plus indirect subsidies (such as food and energy price subsidies) minus indirect taxes (such as value-added taxes, excise taxes, and sales taxes).

These concepts are summarized in Figure 1.

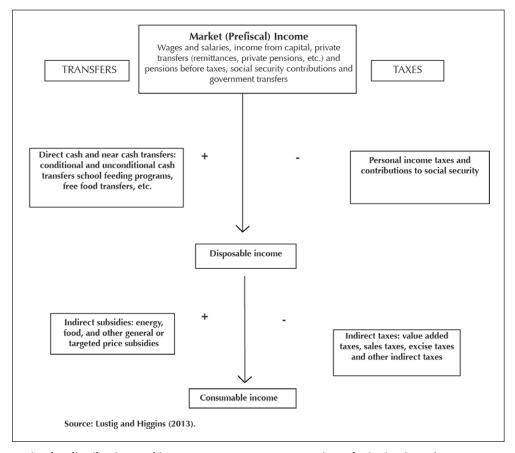


Figure 1: Fiscal redistribution and income concepts. Source: Lustig and Higgins (2013).

¹¹ For example, Martinez-Vazquez (2008, 123) finds that "the results obtained with more realistic and laborious assumptions on elasticities tend to yield quite similar results."

¹² Results presented here are for the scenario in which market income includes contributory pensions.

Taxes, Transfers, and Subsidies *Bolivia*

Taxes

In 2009, total tax revenues amounted to 26.9 percent of GDP. In Bolivia, income tax is negligible and was not included in the analysis. There are four indirect taxes applied to consumption were included in the analysis: a value-added tax (VAT), a transaction tax, a special tax on hydrocarbons, and a specific consumption tax (excise taxes), all of which account for 41 percent of total tax revenues in 2009 (or 11 percent of GDP).

Transfers

In 2009, the year of the survey used for the fiscal incidence analysis, spending on direct transfers equaled 2.0 percent of GDP. With spending at 1.4 percent of GDP in 2009, the largest direct cash transfer program was the noncontributory pension program Renta Dignidad. Implemented in 2008, the program built on an earlier transfer program created in 1994 (Bono Solidario, known as Bonosol). Beneficiaries are citizens aged sixty or older. In 2009, the program benefited close to 800,000 people. Direct transfers also included two flagship conditional cash transfer programs: Bono Juancito Pinto and Bono Juana Azurduy.

The Bono Juancito Pinto was launched to promote primary school attendance. All children between six and nineteen years of age attending public schools are eligible for the program. The transfer consists of a yearly payment equal to 200 *bolivianos*, approximately \$0.18/day (in 2005 purchasing power parity, or PPP) paid once a year, conditional on proven attendance during the school year. According to the program's roster, 1.7 million children benefited from the transfer in 2009, with public expenditures equaling 0.3 percent of GDP. The Bono Juana Azurduy was created in 2009 with the purpose of promoting prenatal health, infant checkups, and an increase in the rate of hospital-attended births. Only mothers and children without access to health insurance are eligible. The program consists of a maximum transfer of 1,820 bolivianos over a maximum period of thirty-three months (equivalent to an average of \$0.58 PPP/day). According to the program registry, 776,045 women and children benefited from the program in 2009. Public expenditure on the program reached 0.02 percent of GDP.

Desayuno Escolar (school breakfast program) provides breakfast to children between the ages of four and nineteen who attend school. The per capita average cost of the program is 9 bolivianos per month, about \$0.1 PPP/day. In 2008, the program benefited 1,985,158 people. Resources spent on the program reached 0.2 percent of GDP in 2009. The war veterans' transfer program Beneméritos del Chaco consists of an average monthly payment of 1,254 bolivianos, equivalent to \$13.2 PPP/day, paid to veterans of the Chaco War (1932–1935). In 2009, the payment benefited more than one thousand veterans and resources spent on the program amounted to 0.14 percent of GDP.

Subsidies

Indirect subsidies include the subsidized fraction of liquid gas and the subsidized fraction of gasoline consumed by households. In 2009 subsidies were equivalent to 0.6 percent of GDP.

Brazil

Taxes

Total fiscal revenues at the federal, state, and municipal levels were about 35 percent of GDP in 2009, much higher than the Latin American average. Direct taxes (personal and corporate) represented 45 percent of the taxes levied by the government, and indirect taxes represented 55 percent. The Brazilian tax system is exceedingly complex. The taxes included in the incidence analysis are direct personal income taxes and consumption taxes. The most important indirect tax is the ICMS, a state tax levied on the sale or physical movement of goods, freight, transportation, communications services, and electricity. ICMS accounted for 21 percent of fiscal revenues in 2009. Other important indirect taxes are the COFINS (federal tax on goods and services to finance the social security deficit), ISS (municipal tax on services), PIS (federal tax on goods and services to finance social services for workers), and IPI (federal tax on industrial products). They correspond to 10.8, 4.1, 2.9, and 2.8 percent of fiscal revenues, respectively. Many indirect taxes operate with their own administering department, which may be at the federal, state, or municipal level, compounding on each other, something known as the "cascading effect." These effects are especially important due to their impact

 $^{^{13}}$ For more details on Bolivia, see Paz Arauco et al. (2014).

¹⁴ All the amounts that are in purchasing power parity (PPP) refer to the PPP conversion factors of 2005.

 $^{^{15}}$ For more details on Brazil, see Higgins and Pereira (2014).

on consumer purchasing power. Exemptions on consumption taxes are almost nonexistent in Brazil and, hence, the effective rates paid on basic food products in Brazil can be especially deleterious for the poor.

Transfers

In 2009, direct transfers included in the incidence analysis were roughly equal to 4 percent of GDP. Special Circumstances Pensions, the largest program in terms of spending (2.3 percent of GDP), are designed to smooth the impact of idiosyncratic shocks or are means tested. They are paid in the case of an accident at work, sickness, or related idiosyncratic shock. Although these pensions are funded by the contributory pension system, they are considered noncontributory because they have low or no requirements in terms of length of contribution period. In 2009, there were about 2.9 million beneficiaries (INSS 2010) and the average benefit per person was \$5.22 PPP per day.

Bolsa Família, Brazil's flagship conditional cash transfer program, transfers cash to eligible families in exchange for complying with certain conditions. Eligible families are poor families with children less than eighteen years of age or with pregnant women, and all extreme poor (the latter group is regardless of having children). Eligibility is determined through partially verified means testing; households with income below the cutoffs are incorporated into the program. The conditions are prenatal and postnatal care sessions for pregnant women, adherence to a calendar of vaccinations for children up to age five, and a minimum level of school attendance for children ages six to seventeen. There are no conditions for the "fixed benefit" given to extremely poor households. In 2009, the government spent 0.4 percent of GDP on 41.2 million individuals living in beneficiary families, and the average benefit per person living in a beneficiary household was US\$0.35 PPP per day.

Benefício de Prestação Continuada (Continued Payment Benefits, BPC) is a noncontributory pension program that provides a monthly monetary transfer of one minimum salary (465 *reais* per month or US\$8.83 PPP per day in 2009) to elderly poor or incapacitated poor. Elderly means sixty-five years old and older, and incapacitated is determined by doctors based on ability to work. In 2009, the government spent 0.5 percent of GDP on this program and there were 3.2 million beneficiaries and the average benefit per person living in a beneficiary household was US\$2.18 PPP per day.

Other social transfers such as Food Transfer Programs (Programa de Aquisição de Alimentos, PAA), Unemployment Insurance, and other smaller programs represented 0.9 percent of GDP.

Subsidies

The main indirect subsidy in Brazil, the Social Tariff on Electric Energy (TSEE), is a price subsidy on energy for low-income households with total energy consumption below 220 kilowatt hours per month. In 2009, the average benefit per person in a beneficiary household was US\$0.36 PPP per day.

Guatemala

Taxes

One of the structural features of the Guatemalan tax system is the low level of tax revenues. ¹⁶ Total tax revenue as a percentage of GDP (including contributions to the social security system) is only 12.2 percent. Direct taxes composed almost 27 percent of the total, while indirect taxes were a little over 60 percent. Of total direct taxes, personal income tax is only 2.9 percent. The VAT is over 40 percent of total tax revenues. The VAT general rate is 12 percent and zero for exports. Generic medicines, certain financial services, education, low-value sales of food bought in cantonal and municipal markets (value less than 100 quetzales, approximately \$13), and resale of real estate property are exempt. Other indirect taxes, which include excise taxes on consumption of gasoline and diesel, beverages, tobacco, stamp tax, and cement, amount to 12.6 percent of total tax revenues.

Transfers

In 2010, there were five main cash transfers programs: a conditional cash transfer (CCT) called Mi Familia Progresa (MIFAPRO), a noncontributory pension program called Economic Assistance Program for the Elderly (Programa de Aporte Económico del Adulto Mayor), a food transfer program called Bolsa Solidaria, two educational scholarships program called Bolsa de Estudio and Becas Solidarias, and a small cash transfer for transportation called Bono de Transporte. From this list, the most relevant programs are MIFAPRO and the noncontributory pension. Together they represented 0.5 percent of GDP; the rest were very small programs

¹⁶ For more details on Guatemala, see Cabrera, Lustig, and Moran (2015).

that altogether amount to 0.1 percent of GDP. In 2010, spending on MIFAPRO program was 0.4 percent of GDP, the number of beneficiaries was 2.7 million and the average per capita transfer among beneficiary households was about \$57 PPP dollars per year. The program covered 51 percent of the indigenous poor and 23 percent of the nonindigenous poor.

Subsidies

The most important consumption subsidies were a subsidy on electricity for households that consume less than 300 kilowatt hours per month, and a public transportation subsidy that was delivered to owners of public buses (in Guatemala City and major cities of the country). Both subsidies represent 0.3 percent of GDP, and the beneficiaries lived in urban areas.

Indicators of Fiscal Redistribution in the Ethnoracial Space

A fiscal incidence analysis designed to assess how governments reduce the welfare gap between ethnic and racial groups needs to identify indicators that can capture how income inequities across these groups change with fiscal interventions.

The most obvious indicator of ethnoracial income inequality is the ratio of per capita income between the indigenous and nonindigenous populations and between Afro-descendants and the white population. A second commonly used indicator is the contribution of inequality between ethnic or racial groups to overall inequality. This is usually measured by identifying the between- and within-group inequality with a standard decomposable inequality indicator such as the Theil index. In addition, a society with high ethnoracial equity should feature fairly equal opportunities across ethnic and racial groups. To assess the extent to which fiscal policy equalizes opportunities, following the ideas originally set out by Roemer (1998) and their application by Barros et al. (2009), I propose to use an indicator that can track the extent to which taxes and transfers reduce the inequality associated with circumstances. Circumstances are predetermined factors that are not dependent on an individual's effort, such as ethnicity and race, gender, place of birth, and parents' education or parents' income. In these national surveys, information on parents or place of birth is not available. Thus, for our purposes, circumstances include race or ethnic group, gender, and location (rural or urban).¹⁷

A third key indicator is, of course, the extent to which the indigenous and Afro-descendant populations are disproportionately underrepresented among the higher income groups and disproportionately overrepresented among the poor. As stated before, if whites and nonwhites were similarly affected by social circumstances and market forces, one would expect the share of the nonwhite population at every income stratum to be roughly equal to its share in the total population, and the probability of being poor to be approximately the same for whites and nonwhites. The probability of being poor is simply the head count ratio (also known as the incidence of poverty), that is, the ratio of the poor population divided by the total.¹⁸

The question is to what extent fiscal redistribution reduces these measures of inequity across ethnic and racial groups. In order to estimate the impact of fiscal redistribution, we need to calculate the above indicators for the three different income concepts presented in **Figure 1**: market income, disposable income, and consumable income.

$$\frac{1}{n} \sum_{i} \ln \left(\frac{\mu^{j}}{s_{i}^{j}} \right) \tag{1}$$

where μ^{j} is the mean income of the population for income concept j (either the original or smoothed distribution can be used to calculate μ^{j} since they have the same mean by definition), and s_{j}^{j} is defined above.

Once each individual's circumstances set has been identified, the mean income of each circumstances set (i.e., the mean income of all individuals in that circumstances set) is calculated for the "prefiscal" and the "postfiscal" income. Let s_i^j indicate the income of each individual i, which in the smoothed distribution equals the mean income for income concept j (where the latter can be before taxes and transfers or after taxes and/or transfers; see Figure 1) of everyone in individual i's circumstances set. Each individual is attributed the mean income of their circumstances set, and this income distribution is called the smoothed income distribution. Inequality is then measured over the smoothed income distribution for each income concept associated with taxes and transfers. Here the mean log deviation was used, which gives the measure of inequality of opportunity (in levels) by income concept. The mean log deviation of the smoothed distribution (for income concept j) is calculated as

¹⁸ In addition to the present list, one may want to consider other outcome variables that are not necessarily present in the income or public services space. For example, one may want to assess access to urban infrastructure (water and sanitation, street lighting, and so on) or the extent to which the fiscal system exacerbates or reduces occupational segregation or discrimination. These are not included in this article.

Table 1	 Fthnic and 	racial inequali	ity hefore taxes	and transfers: Rolivia	Brazil, and Guatemala.
I avic I	• Ethinic and	Taciai ilicuuali	II V DEIDIE LAXES	anu nansieis, bunyia	. Diazii. aiiu Gualtiilaia.

Indicator	Bolivia (2009)	Brazil (2009)	Guatemala (2009–2010)
Ratio of white/nonwhite average per capita market income	1.5	2.1	2.1
Contribution of between-inequality component to overall inequality (%)	4.9	9.1	8.5
Head count ratio of white population (%)	14.7	5.2	20.6
Head count ratio of nonwhite population (%)	31.5	14.6	46.6
Nonwhite population in total population (%)	54.2	50.8	40.7
Nonwhite population in poor population (%)	71.7	74.2	60.8

Source: Author's calculations based on the following sources: Bolivia: Paz Arauco et al. (2013); Brazil: Higgins and Pereira (2013); and Guatemala: Cabrera, Lustig and Moran (2015).

Notes: Household surveys: Bolivia (Encuesta de Hogares, 2009), Brazil (Pesquisa de Orçamentos Familiares, 2009), and Guatemala (Encuesta Nacional de Ingresos y Gastos de las Familias, 2009–2010).

All the measures presented above use prefiscal or market income, defined as gross wages and salaries, income from capital, private transfers and contributory pensions; it includes consumption of own production (except for Bolivia) and imputed rent for owner's occupied housing.

The nonwhite population for Bolivia and Guatemala refer to the indigenous population; and in the case of Brazil, to the Afro-Brazilian (pardo and preto) population.

Poverty is measured for per capita market income with national extreme poverty lines.

The contribution of between ethnic and racial groups components to overall inequality corresponds to the "between" component of a standard decomposition of the Theil index.

Main Results

Ethnic and racial inequality in all three countries is high (**Table 1**). Per capita market (prefiscal) income of the white population is between 60 percent and two times higher than the Afro-descendants or indigenous population's income. Also shown in **Table 1**, the indigenous and Afro-descendant populations represent a considerably larger share of the poor than they do of the total population. The probability of being poor (measured by the head count ratio using national extreme poverty lines) is between two and three times higher for indigenous and Afro-descendants than whites. Although not shown in the table, average educational attainment levels are roughly between two and three years lower for Afrodescendant or indigenous populations in all three countries.

Fiscal Policy, Inequality, and Poverty in the Ethnoracial Space

What is the impact of direct taxes and direct transfers on ethnic and racial inequality? Using the indicators described above, **Table 2** reveals that the impact is negligible. Although the indicators tend to move in the right direction, the order of magnitude of the change is quite small or nonexistent. The ratio of average per capita incomes by ethnicity or race declines by one decimal point (Bolivia and Brazil) to nothing (Guatemala).²⁰ Inequality of opportunity also declines by a relatively small amount. While fiscal policy reduces overall inequality in all three countries, it is interesting to note that the contribution of the between-race component in Brazil increases. This means that in Brazil, fiscal policy is making intraracial inequality fall at a faster rate than interracial inequality.

¹⁹ The national extreme poverty lines used in the analysis are the following. For Bolivia, Paz Arauco et al. (2013) used the national official poverty lines for urban areas equal to \$3.05 per day in 2005 purchasing power parity dollars, and rural areas equal to \$2.31 per day in 2005 purchasing power parity dollars. Brazil does not have an official poverty line; thus, Higgins and Pereira (2013) used the extreme poverty lines reported by IPEA, which range from \$1.18 to \$2.18 per day in 2005 purchasing power parity dollars (Instituto de Pesquisa Econômica Aplicada, www.ipeadata.gov.br/doc/LinhasPobrezaRegionais.xls). Guatemala does not have an official poverty line either. For the purpose of this analysis, Cabrera, Lustig, and Moran (2015) defined the extreme poverty line as the amount needed to purchase a basic basket of food, or \$2.03 per day in 2005 purchasing power parity dollars. To put these lines in perspective, the World Bank defines extreme poverty in Latin America with a poverty line that equals \$2.50 per day in 2005 purchasing power parity dollars.

²⁰ Furthermore, it is quite possible that the statistical significance of these differences is zero. Unfortunately, measures of statistical significance are not available.

Table 2: Ethnoracial gaps before (market income) and after direct taxes and transfers (disposable income): Bolivia, Brazil, and Guatemala.

Indicator	Bolivia		Brazil		Guatemala	
	Market income	Disposable income	Market income	Disposable income	Market income	Disposable income
White/nonwhite average per capita income	1.5	1.5	2.1	2	2.1	2.1
Contribution of between-race inequality (%)	4.9	4.8	9.1	9.2	8.5	8.4
Inequality of opportunity	0.092	0.082	0.096	0.083	0.197	0.195
Head count ratio of white population (%)	14.7	13.4	5.2	3.1	20.6	20.2
Head count ratio of nonwhite population (%)	31.5	28.3	14.6	9.3	46.6	44.0

Source: Author's calculations based on the following sources: Bolivia: Paz Arauco et al. (2013); Brazil: Higgins and Pereira (2013); and Guatemala: Cabrera, Lustig and Moran (2015).

Notes: Household surveys: Bolivia (Encuesta de Hogares, 2009), Brazil (Pesquisa de Orçamentos Familiares 2009), and Guatemala (Encuesta Nacional de Ingresos y Gastos de las Familias, 2009–2010).

All the measures presented above use market (pre-fiscal) income, defined as gross wages and salaries, income from capital, private transfers and contributory pensions; it includes consumption of own production (except for Bolivia) and imputed rent for owner's occupied housing. Disposable income equals market income minus personal income taxes and contributions to social security plus direct transfers (cash and near cash such as food and school uniforms).

The nonwhite population for Bolivia and Guatemala refer to the indigenous population; and in the case of Brazil, to the Afro-Brazilian (pardo and preto) population.

Poverty is measured for per capita income with national extreme poverty lines.

The contribution of between ethnic and racial groups components to overall inequality corresponds to the "between" component of a standard decomposition of the Theil index.

Inequality of opportunity is measured by the mean log deviation of smoothed distribution with gender of head, location (rural or urban), and race/ethnicity as circumstances.

Although the difference in the probability of being poor after direct taxes and transfers declines,²¹ as **Table 3** shows the difference in head count ratios by ethnic group and race remain very large. More importantly, when the combined effect of both direct and consumption taxes net of transfers and subsidies is considered, fiscal interventions slightly reduce the differences in the probability of being poor between ethnic and racial groups in Guatemala and Bolivia but in Brazil there is no change. That is, in Brazil the effect of cash transfers on narrowing the difference in the probability of being poor between Afro-descendants and whites is completely wiped out by the effect of consumption taxes.

Incidence of Direct Cash Transfers across Ethnic and Racial Groups

As seen above, fiscal interventions have little impact on the indicators we selected to measure the ethnoracial gap in the income space. In fact, when (net) indirect taxes are added, the differences in the probability of being poor do not change (Brazil) or fall only slightly (Bolivia and Guatemala). Are there specific characteristics of the fiscal system that may be associated with these rather disappointing outcomes? As shown in **Figures 2–4**, the incidence of direct cash transfers for the bottom deciles of Afrodescendants and indigenous populations is higher than for the bottom deciles of the nonindigenous and white populations. Thus, the fact that fiscal policy is so limited in its ability to reduce ethnoracial income gaps is more a consequence of the small size of cash transfers than their distribution between ethnic and racial groups.

The flagship cash transfers are Bono Juancito Pinto in Bolivia, Bolsa Família in Brazil, and Mi Familia Progresa in Guatemala.²² The share of GDP (in the year of the survey) allocated to each is only 0.3, 0.4, and 0.3 percent, respectively. Given the huge income gaps and the large differences in numbers of poor people, it is not surprising that redistributive policy achieves so little reduction in inequity in the ethnoracial space.

²¹ Recall that for all the poverty measures here I use national extreme poverty lines.

²² For a description of these programs, see, for Bolivia: Arauco et al. (2014); for Brazil: Higgins and Pereira (2014); and for Guatemala: Cabrera, Lustig and Moran (2015).

Table 3: Differences in probability of being poor by ethnic and racial group by income concept: market income, disposable income and consumable income.

Difference in head count ratios for the nonwhite population minus head count ratios for white population in percentage points	Market income	Disposable income	Consumable income
Bolivia	16.8	14.9	15.0
Brazil	9.4	6.2	9.4
Guatemala	25.9	23.8	24.6

Source: Author's calculations based on the following sources: Bolivia: Paz Arauco et al. (2013); Brazil: Higgins and Pereira (2013); and Guatemala: Cabrera, Lustig, and Moran (2015).

Notes: Household surveys: Bolivia (Encuesta de Hogares, 2009), Brazil (Pesquisa de Orçamentos Familiares, 2009), and Guatemala (Encuesta Nacional de Ingresos y Gastos de las Familias, 2009–2010).

The probability of being poor is measured as the head count ratio. Market (prefiscal) income is defined as gross wages and salaries, income from capital, private transfers and contributory pensions; it includes consumption of own production (except for Bolivia) and imputed rent for owner's occupied housing. Disposable income equals market income minus personal income taxes and contributions to social security plus direct transfers (cash and near cash such as food and school uniforms). Consumable income is defined as disposable income minus consumption taxes (e.g., value-added taxes, sales taxes, etc.) plus consumption subsidies (e.g., food, energy, etc.).

The nonwhite population for Bolivia and Guatemala refer to the indigenous population; and in the case of Brazil, to the Afro-Brazilian (pardo and preto) population.

Poverty is measured for per capita income with national extreme poverty lines.

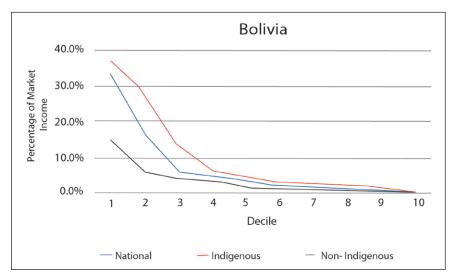


Figure 2: Bolivia: incidence of direct cash transfers by ethnic and racial groups (shares in percent). Author's calculations based on Paz Arauco et al. (2013).

Furthermore, while it is generally true that per capita cash transfers for the indigenous and Afrodescendants are systematically higher in the three countries, there is an exception: the Special Circumstances Pensions (Pensões e Outros Benefícios) in Brazil. The cash transfers in this program are designed to smooth the impact of idiosyncratic shocks such as accident at work, sickness, or other individual shocks. In 2009, there were about 2.9 million beneficiaries (INSS 2010) and the average benefit per person was \$5.22 PPP per day. Although these transfers are funded by the contributory pension system, they are considered noncontributory because they have low or no requirements in terms of length of time of contribution. To be eligible, however, individuals must be registered in the social security system. There clearly must be a factor that explains why Afro-descendants are less likely to register. This is a result that deserves further investigation so that this bias toward the white population can be corrected.

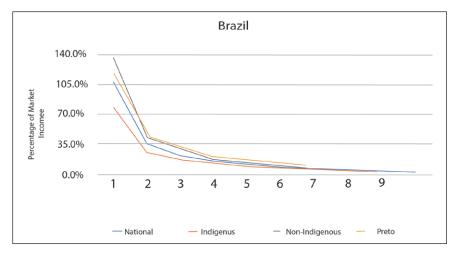


Figure 3: Brazil: incidence of direct cash transfers by ethnic and racial groups (shares in percent). Author's calculations based on Higgins and Pereira (2013).

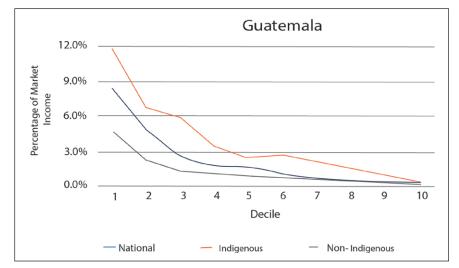


Figure 4: Guatemala: incidence of direct cash transfers by ethnic and racial groups (shares in percent). Author's calculations based on Cabrera, Lustig, and Moran (2015).

Concluding Remarks

The importance of reducing ethnoracial inequalities arises both from what this divide means ethically as well as its causes and consequences. Today's ethnic and racial inequalities are often the product of morally condemnable societal actions such as discrimination in the present and subjugation of indigenous groups and slavery in the past. Due to the discrimination that indigenous peoples and Afro-descendants face in Latin America and the resulting gaps, these ethnic and racial groups are what philosophers would call "morally relevant" groups and, as a result, policies developed to correct these gaps would be deemed ethically acceptable (Nickel 2002). In addition, ethnic and racial inequalities are found to be associated with lower overall development and growth (Alesina et al. 2012; Easterly and Levine 1997). Thus, addressing ethnoracial inequalities may have the additional benefit of generating higher welfare levels for everyone.

While fiscal redistribution can play a role in reducing income inequality in the ethnoracial space, our results show that the impact is very limited. Using several indicators, I showed that taxes and transfers reduce ethnoracial inequality very little or not at all. This is due in large part to the small magnitude of government spending on targeted cash transfers programs. However, the difference in, for instance, the number of poor people by ethnicity and race is so large, that it is unlikely it can be significantly reduced through just income transfers. Nonetheless, at the minimum, the design of transfer programs should avoid exacerbating ethnoracial inequalities. As discussed above, this is the case with the Special Circumstances

Pensions in Brazil, which disproportionately benefit the white population because Afro-Brazilians are less likely to be enrolled.

Acknowledgements

This article is part of "Incidence of Taxes and Social Spending by Ethnicity and Race," a joint project of the Commitment to Equity (CEQ) Institute and the Gender and Diversity Division of the Inter-American Development Bank. Led by Nora Lustig since 2008, the CEQ is a joint initiative of the Center for Inter-American Policy and Research and the Department of Economics at Tulane University and the Inter-American Dialogue (www.commitmentoequity.org). For their very useful comments and feedback on earlier drafts, I am very grateful to Suzanne Duryea, Ariel Fiszbein, Miguel Jaramillo, Andrew Morrison, Judith Morrison, Marcos Robles, and participants of the November 21, 2013, and May 12, 2014, seminars at the Inter-American Development Bank, as well as to José R. Jouve-Martín and Philip Oxhorn, editors of the special issue of the *Latin American Research Review*, and to two anonymous reviewers. I am also very grateful to Adam Ratzlaff for his excellent research assistantship as well as to Ana Lucia Iturriza and Eliana Rubiano for their valuable support in the coordination of the project.

Author Information

Nora Lustig is Samuel Z. Stone Professor of Latin American Economics and Director of the Commitment to Equity Institute, Tulane University, and Nonresident Fellow at the Center for Global Development and the Inter-American Dialogue.

References

- Afkar, Rythia, Jon Jellema, and Matthew Wai-Poi. 2017. "The Distributional Impact of Fiscal Policy in Indonesia." In *The Distributional Impact of Fiscal Policy: Experience from Developing Countries*, edited by Gabriela Inchauste and Nora Lustig. Washington, DC: World Bank.
- Alam, Shamma A., Gabriela Inchauste, and Umar Serajuddin. 2017. "The Distributional Impact of Fiscal Policy in Jordan." In *The Distributional Impact of Fiscal Policy: Experience from Developing Countries*, edited by Gabriela Inchauste and Nora Lustig. Washington, DC: World Bank.
- Alesina, Alberto, Igier Stelios Michalopoulos, and Elias Papaioannou. 2012. "Ethnic Inequality." Unpublished manuscript, March.
- Aristy-Escuder, Jaime, Maynor Cabrera, Blanca Moreno-Dodson, and Miguel Sanchez-Martin. 2017. "Fiscal Policy and Redistribution in the Dominican Republic." In *Commitment to Equity Handbook. Estimating the Impact of Fiscal Policy on Inequality and Poverty*, edited by Nora Lustig. Washington, DC: Brookings Institution and CEQ Institute, Tulane University. http://www.commitmentoequity.org/publications/handbook.php.
- Arunatilake, Nisha, Gabriela Inchauste, and Nora Lustig. 2017. "The Incidence of Taxes and Spending in Sri Lanka." In *The Distributional Impact of Fiscal Policy: Experience from Developing Countries*, edited by Gabriela Inchauste and Nora Lustig. Washington, DC: World Bank.
- Barros, Ricardo, Francisco H. G. Ferreira, José Molinas Vega, and Jaime Saavedra. 2009. *Measuring Inequality of Opportunities in Latin America and the Caribbean*. Washington, DC: The World Bank.
- Beneke, Margarita, Nora Lustig, and Jose Andres Oliva. 2017. "The Impact of Taxes and Social Spending on Inequality and Poverty in El Salvador." In *Commitment to Equity Handbook: Estimating the Impact of Fiscal Policy on Inequality and Poverty*, edited by Nora Lustig. Washington, DC: Brookings Institution Press and CEQ Institute, Tulane University. http://www.commitmentoequity.org/publications/handbook.php.
- Bucheli, Marisa, Nora Lustig, Maximo Rossi, and Florencia Amabile. 2014. "Social Spending, Taxes and Income Redistribution in Uruguay." In "Analyzing the Redistributive Impact of Taxes and Transfers in Latin America," edited by Nora Lustig, Carola Pessino, and John Scott, special issue. *Public Finance Review* 42(3): 413–433. DOI: https://doi.org/10.1177/1091142113493493
- Cabrera, Maynor, Nora Lustig, and Hilcías E. Moran. 2015. "Fiscal Policy, Inequality and the Ethnic Divide in Guatemala." *World Development* 76: 263–279. DOI: https://doi.org/10.1016/j.worlddev.2015.07.008
- Cancho, Cesar, and Elena Bondarenko. 2017. "The Distributional Impact of Fiscal Policy in Georgia." In *The Distributional Impact of Fiscal Policy: Experience from Developing Countries*, edited by Gabriela Inchauste and Nora Lustig. Washington, DC: World Bank.
- De Ferranti, David, Guillermo E. Perry, Francisco Ferreira, and Michael Walton. 2004. *Inequality in Latin America: Breaking with History?* Washington, DC: World Bank. DOI: https://doi.org/10.1596/0-8213-5665-8
- Easterly, William, and Ross Levine. 1997. "Africa's Growth Tragedy: Policies and Ethnic Divisions." *Quarterly Journal of Economics* 112(4): 1203–1250. DOI: https://doi.org/10.1162/003355300555466

Enami, Ali. 2017. "Measuring the Effectiveness of Taxes and Transfers in Fighting Poverty and Reducing Inequality in Iran." In *Commitment to Equity Handbook: Estimating the Impact of Fiscal Policy on Inequality and Poverty*, edited by Nora Lustig. Washington, DC: Brookings Institution and CEQ Institute, Tulane University. http://www.commitmentoequity.org/publications/handbook.php.

- Hall, Gillette, and Harry Anthony Patrinos, eds. 2006. *Indigenous Peoples, Poverty and Human Development in Latin America*, 1994–2004. New York: Palgrave Macmillan.
- Higgins, Sean, and Claudiney Pereira. 2013. "Fiscal Incidence by Race and Ethnicity: Master Work-Book for Brazil." Prepared by the Commitment to Equity Project for the Inter-American Development Bank, Programa para Mejorar las Estadísticas de Raza y Etnicidad para el Análisis y Formulación de Políticas.
- Higgins, Sean, and Claudiney Pereira. 2014. "The Effects of Brazil's Taxation and Social Spending on the Distribution of Household Income." In "Analyzing the Redistributive Impact of Taxes and Transfers in Latin America," edited by Nora Lustig, Carola Pessino and John Scott, special issue. *Public Finance Review* 42(3): 346–367. DOI: https://doi.org/10.1177/1091142113501714
- Hill, Ruth, Gabriela Inchauste, Nora Lustig, Eyasu Tsehaye, and Tassew Woldehanna. 2017. "A Fiscal Incidence Analysis for Ethiopia." In *The Distributional Impact of Fiscal Policy: Experience from Developing Countries*, edited by Gabriela Inchauste and Nora Lustig. Washington, DC: World Bank.
- ICEFI (Instituto Centroamericano de Estudios Fiscales). 2017a. "Incidencia de la politica fiscal en el ambito rural de Centro America: El caso de Honduras." CEQ Working Paper No. 51, CEQ Institute, Tulane University, IFAD, and ICEFI.
- ICEFI (Instituto Centroamericano de Estudios Fiscales). 2017b. "Incidencia de la politica fiscal en la desigualdad y la pobreza en Nicaragua." CEQ Working Paper No. 52, CEQ Institute, Tulane University, IFAD, and ICEFI.
- Inchauste, Gabriela, Nora Lustig, Mashekwa Maboshe, Catriona Purfield, Ingrid Woolard, and Precious Zikhali. 2015. "The Distributional Impact of Fiscal Policy in South Africa." Policy Research Working Paper No. 174. Washington, DC: World Bank. DOI: https://doi.org/10.1596/1813-9450-7194
- Jellema, Jon, Astrid Haas, Nora Lustig, and Sebastian Wolf. 2017. "The Impact of Taxes, Transfers, and Subsidies on Inequality and Poverty in Uganda." In *Commitment to Equity Handbook: Estimating the Impact of Fiscal Policy on Inequality and Poverty*, edited by Nora Lustig. Washington, DC: Brookings Institution and CEQ Institute, Tulane University. http://www.commitmentoequity.org/publications/handbook.php.
- Lopez-Calva, Luis Felipe, Nora Lustig, Mikhail Matytsin, and Daria Popova. 2017. "Who Benefits from Fiscal Redistribution in Russia?" In *The Distributional Impact of Fiscal Policy: Experience from Developing Countries*, edited by Gabriela Inchauste and Nora Lustig. Washington, DC: World Bank.
- Lustig, Nora. 2015. "The Redistributive Impact of Government Spending on Education and Health: Evidence from 13 Developing Countries in the Commitment to Equity Project." In *Inequality and Fiscal Policy*, edited by Sanjeev Gupta, Michael Keen, Benedict Clements, and Ruud de Mooij, chapter 16. Washington, DC: International Monetary Fund.
- Lustig, Nora. 2016. "Inequality and Fiscal Redistribution in Middle Income Countries: Brazil, Chile, Colombia, Indonesia, Mexico, Peru and South Africa." *Journal of Globalization and Development* 7(1): 17–60. DOI: https://doi.org/10.1515/jgd-2016-0015
- Lustig, Nora, ed. 2017a. *Commitment to Equity Handbook: Estimating the Impact of Fiscal Policy on Inequality and Poverty.* Washington, DC: Brookings Institution Press and CEQ Institute, Tulane University. http://www.commitmentoequity.org/publications/handbook.php.
- Lustig, Nora. 2017b. "El impacto del sistema tributario y el gasto social en la distribución del ingreso y la pobreza en América Latina." *El Trimestre Economico*, no. 335 (July-September): 493–568.
- Lustig, Nora, and Carola Pessino. 2014. "Social Spending and Income Redistribution in Argentina in the 2000s: The Rising Role of Noncontributory Pensions." *Public Finance Review* 42(3): 304–325.
- Lustig, Nora, and Sean Higgins. 2013. "Commitment to Equity Assessment (CEQ): Estimating the Incidence of Social Spending, Subsidies and Taxes, Handbook." CEQ Working Paper No. 1, July 2011; revised January 2013. Center for Inter-American Policy and Research and Department of Economics, Tulane University and Inter-American Dialogue.
- Martinez-Aguilar, Sandra, Alan Fuchs, Eduardo Ortiz-Juarez, and Giselle del Carmen. 2017. "The Impact of Fiscal Policy on Inequality and Poverty in Chile." In *Commitment to Equity Handbook: Estimating the Impact of Fiscal Policy on Inequality and Poverty*, edited by Nora Lustig. Washington, DC: Brookings Institution and CEQ Institute, Tulane University. http://www.commitmentoequity.org/publications/handbook.php.
- Martinez-Vazquez, Jorge. 2008. "The Impact of Budgets on the Poor: Tax and Expenditure Benefit Incidence Analysis." In *Public Finance for Poverty Reduction: Concepts and Case Studies from Africa and Latin America*, edited by Blanca Moreno-Dodson and Quentin Wodon, 113–162. Directions in Development Series. Washington, DC: World Bank.

- Melendez, Marcela, and Valentina Martinez. 2015. "CEQ Master Workbook: Colombia. Version: December 17, 2015," prepared by the CEQ Data Center on Fiscal Redistribution, CEQ Institute, Tulane University, and Inter-American Development Bank.
- Molina, Emiro. 2016. "CEQ Master Workbook: Venezuela. Version: November 15, 2016," prepared by the CEQ Data Center on Fiscal Redistribution, CEQ Institute, Tulane University.
- Nickel, James W. 2002. "Discrimination and Morally Relevant Characteristics." In *The Affirmative Action Debate*, edited by Steven M. Cahn, 3–4. New York: Routledge.
- Ñopo, Hugo. 2012. *New Century, Old Disparities: Gender and Ethnic Earnings Gaps in Latin America and the Caribbean*. Washington, DC: World Bank; Inter-American Development Bank.
- Paz Arauco, Verónica, George Gray Molina, Wilson Jiménez Pozo, and Ernesto Yáñez Aguilar. 2013. "Fiscal Incidence by Race and Ethnicity: Master Workbook for Bolivia," prepared by the Commitment to Equity Project for the Inter-American Development Bank, Programa para Mejorar las Estadísticas de Raza y Etnicidad para el Análisis y Formulación de Políticas.
- Paz Arauco, Verónica, George Gray Molina, Wilson Jiménez Pozo, and Ernesto Yáñez Aguilar. 2014. "Explaining Low Redistributive Impact in Bolivia." In "Analyzing the Redistributive Impact of Taxes and Transfers in Latin America," edited by Nora Lustig, Carola Pessino, and John Scott, special issue, *Public Finance Review* 42(3): 326–345. DOI: https://doi.org/10.1177/1091142113496133
- Pereira, Claudiney. 2017. "Ethno-Racial Poverty and Income Inequality in Brazil." In *Commitment to Equity Handbook: Estimating the Impact of Fiscal Policy on Inequality and Poverty,* edited by Nora Lustig. Washington, DC: Brookings Institution and CEQ Institute, Tulane University. http://www.commitmentoequity.org/publications/handbook.php.
- Roemer, John E. 1998. Equality of Opportunity. Cambridge, MA: Harvard University Press.
- Rossignolo, Dario. 2016. "Taxes, Expenditures, Poverty and Income Distribution in Argentina." CEQ Working Paper No. 45, CEQ Institute, Tulane University. Also in *Commitment to Equity Handbook: Estimating the Impact of Fiscal Policy on Inequality and Poverty*, edited by Nora Lustig. Washington, DC: Brookings Institution Press and CEQ Institute, Tulane University, 2017. http://www.commitmentoequity.org/publications/handbook.php.
- Sauma, Pablo, and Juan Diego Trejos. 2014. "Gasto público social, impuestos, redistribución del ingreso y pobreza en Costa Rica." CEQ Working Paper No. 18, Center for Inter-American Policy and Research and Department of Economics, Tulane University, and Inter-American Dialogue.
- Scott, John. 2014. "Redistributive Impact and Efficiency of Mexico's Fiscal System." In "Analyzing the Redistributive Impact of Taxes and Transfers in Latin America," edited by Nora Lustig, Carola Pessino, and John Scott, special issue. *Public Finance Review* 42(3): 368–390. DOI: https://doi.org/10.1177/1091142113497394
- Shimeles, Abebe, Ahmed Moummi, Nizar Jouini, and Nora Lustig. 2016. "Fiscal Incidence and Poverty Reduction: Evidence from Tunisia." CEQ Working Paper No. 38, CEQ Institute, Tulane University.
- Younger, Stephen D., and A. Khachatryan. 2017. "Fiscal Incidence in Armenia." In *The Distributional Impact of Fiscal Policy: Experience from Developing Countries*, edited by Gabriela Inchauste and Nora Lustig. Washington, DC: World Bank.
- Younger, Stephen D., Eric Osei-Assibey, and Felix Oppong. 2017. "Fiscal Incidence in Ghana." *Review of Development Economics*. Published electronically January 11, 2017. DOI: https://doi.org/10.1111/rode.12299
- Younger, Stephen D., Flora Myamba, and Kenneth Mdadila. 2016. "Fiscal Incidence in Tanzania." *African Development Review* 28(3): 264–276. DOI: https://doi.org/10.1111/1467-8268.12204

How to cite this article: Lustig, N. Fiscal Redistribution and Ethnoracial Inequality in Bolivia, Brazil, and Guatemala. Latin American Research Review. 2017; 52(2), pp. 208-220. DOI: https://doi.org/10.25222/larr.90

Copyright: © 2017 The Author(s). This is an open-access article distributed under the terms of the Creative Commons Attribution 4.0 International License (CC-BY 4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See http://creativecommons.org/licenses/by/4.0/.

LARR LATIN AMERICAN

Latin American Research Review is a peer-reviewed open access journal published by the Latin American Studies Association.

OPEN ACCESS &