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Changing Rental Affordability in California Regions:

Application of the Constant Quartile Mismatch Indicator

JungHo Park and Dowell Myers



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This conference presentation is adapted from and extends an article published in April 2019 by the authors in HUD's journal, *Cityscape*, here applied to California MPO Regions with 2017 data.

Myers, D., & Park, J. (2019). A Constant Quartile Mismatch Indicator of Changing Rental Affordability in U.S. Metropolitan Areas, 2000 to 2016. *Cityscape: A Journal of Policy Development and Research*, 21(1), 163–200.

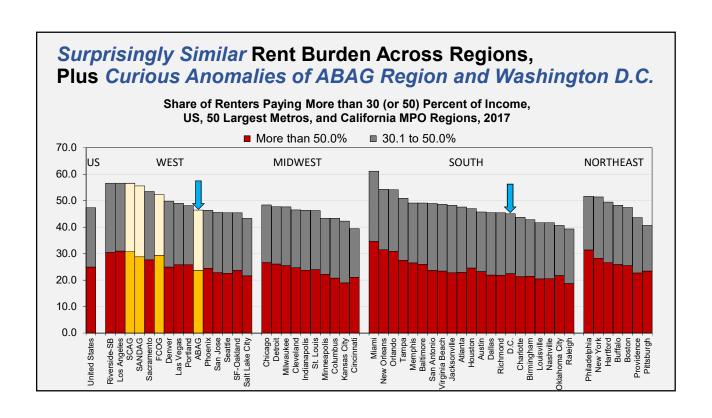
https://www.huduser.gov/portal/periodicals/cityscpe/vol21num1/article7.html

Background

Rental affordability crisis has drawn widespread attention for its severity since the onset of the Great Recession (HUD 2017; JCHS 2018; NLIHC 2019)

Indicators of rental affordability are useful tools for measuring the growing problems and for **comparing places** — and there are several alternatives — yet a crucial criterion of **good indicators** is that an indicator **must not be misleading**

Traditional rent burden indicator — more than 30% of income required for rent — is most commonly used, yet it has proven **inadequate** for many reasons, particularly for **comparing large metropolitan areas**



Faults with the Traditional Rent Burden Indicator

- 1. These metros can't really be all so similar on affordability
- 2. The Bay Area and Washington, DC, *CANNOT be more affordable* than the national average that is nonsensical
- Rent burden *DISGUISES* the problem: is it *rent's too high*or *income's too low?* What has been *changing the most?*
- 4. Rent burden **averages all income groups together**, so we can't tell if the incidence of high rent burden is driven by **only the lowest income group or middle income groups as well**

New Method of Tracking Growing Mismatch of Incomes and Rents

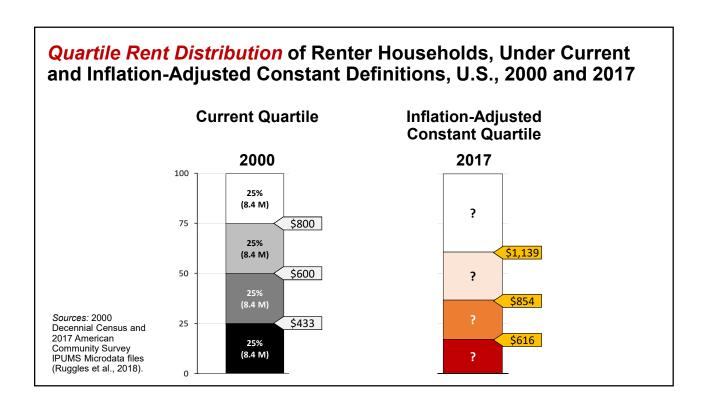
The idea of the Myers-Park (2019) method is to show the *changing rent distribution*, marking it into *four equal quartiles in 2000*, and then see in future years how many of the rental units have *shifted over time into the top quartile*

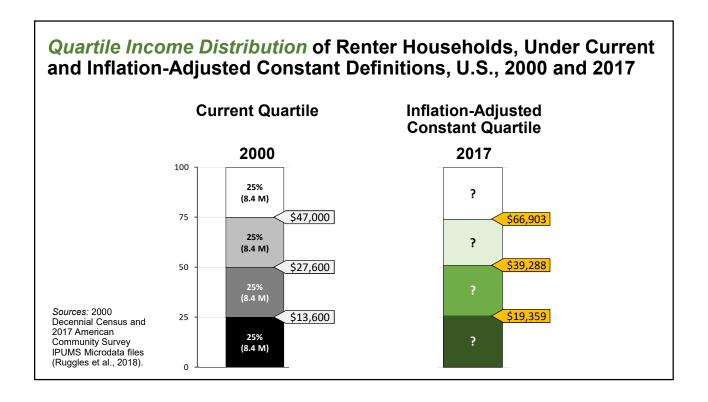
Separately, we show the *changing income distribution* of renters, marking that also into *four equal quartiles in 2000*, and then seeing how incomes of renters also *shift into higher or lower quartiles*

How great is the mismatch?

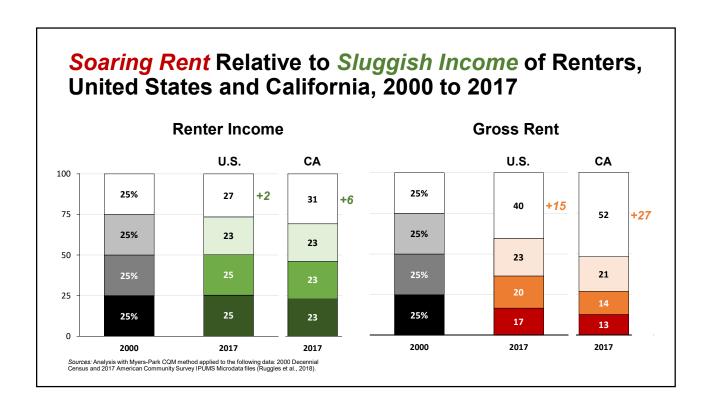
Here, we see how the new *Constant Quartile Mismatch indicator* helps *disentangle rent and income effects, and how it can reveal the true variation* of affordability problems across regions

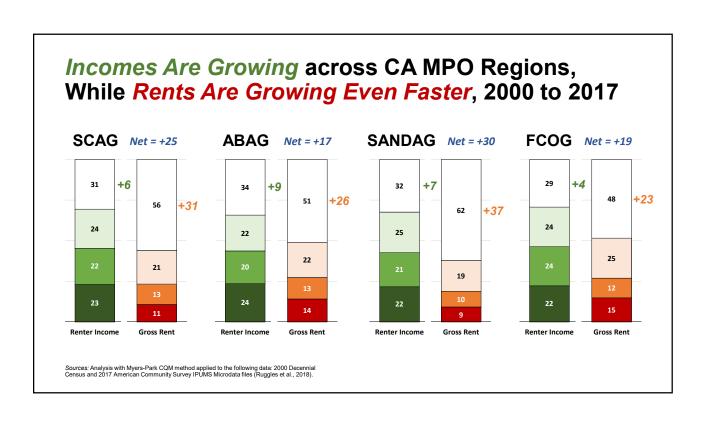
Definition of Constant Quartiles





Evidence from
the Mismatch Indicator for
the Nation, California,
and CA MPO Regions





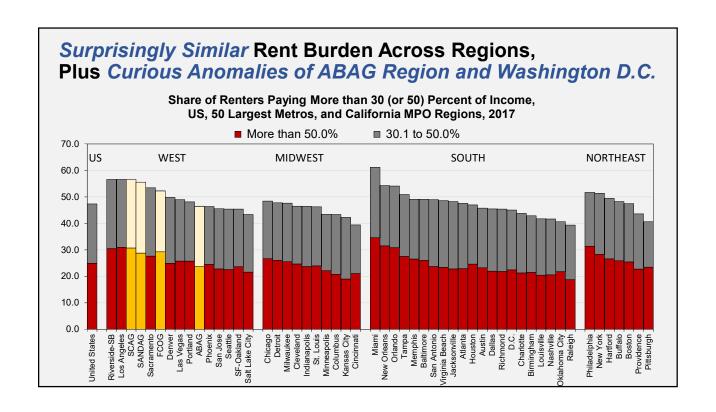
Summing Net Mismatch at Both High and Low End

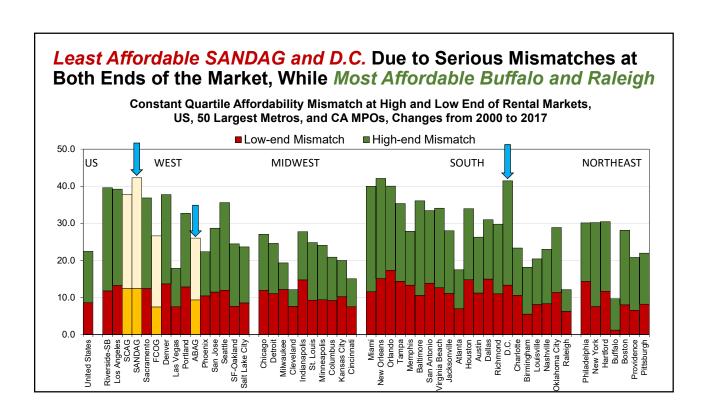
Rental share change less income change in highest quartile
 Net mismatch at high end
 (e.g. (+ 22) - (+ 4) = + 18 worse affordability alignment

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(e.g. (+22) - (+4) = +18 worse affordability alignment (e.g. (+22) - (-4) = +26 worse affordability alignment
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- Rental share change less income share change in bottom quartile
 Net mismatch at low end (X by -1, to convert negatives to positive)
 (e.g. (-12) (+2) = -14 X (-1) = +14 worse affordability alignment
 (e.g. (-12) (-3) = -9 X (-1) = +9 worse affordability alignment
- Total Mismatch is net High End + net Low End

Where is Least or Most Affordable?





Discussion

- Traditional indicator shows very similar affordability problems across regions, fully 45 of 50 large metros are within +/– 8pp. of national average (47.4%)
 even ABAG (46.5%) and D.C. (45.0%) were more affordable than the nation
- CQM indicator offers an alternative view on rental affordability, emphasizing growing stress on renters at both the high and low ends of the distribution and emphasizing growing mismatch of rent and income distributions
- Our mismatch indicator can work very well with other indicators, including in combination with the traditional rent burden
- The mismatch indicator offers a broader characterization of growing affordability problems that afflict both poor and middle incomes

Key References

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for further information on the Haynes Foundation supported project on housing interconnections and problem trends, and 11 housing publications in 2018-19