Economic trends and surprises

prepared for the

Healthy Communities Hawaii panel discussion

Richards Street YWCA

by Paul H. Brewbaker, Ph.D., CBE TZ Economics, Kailua, Hawaii December 5, 2018

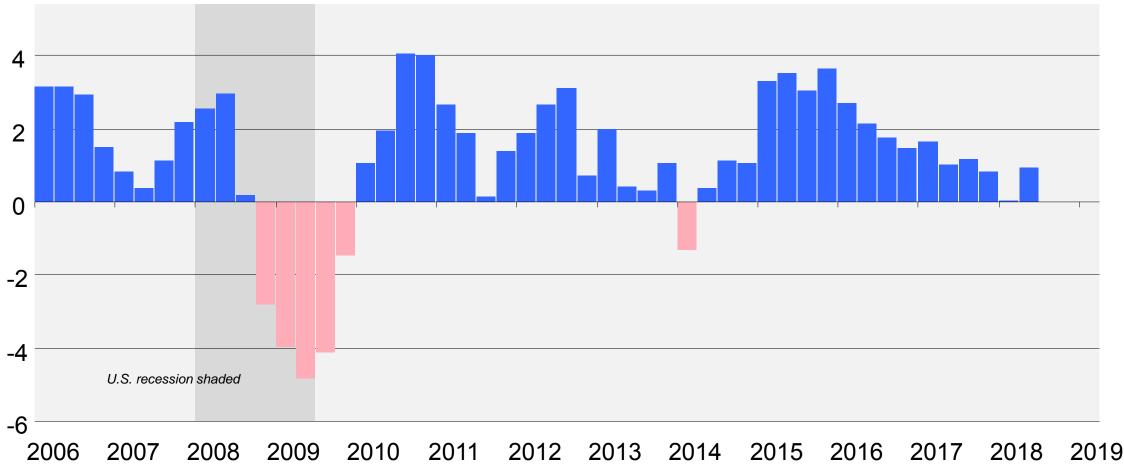
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1. Hawaii real GDP growth has been slowing for almost three years

Hawaii quarterly real GDP growth: for the second time this decade, recent economic deceleration to a near-standstill in the late-2010s

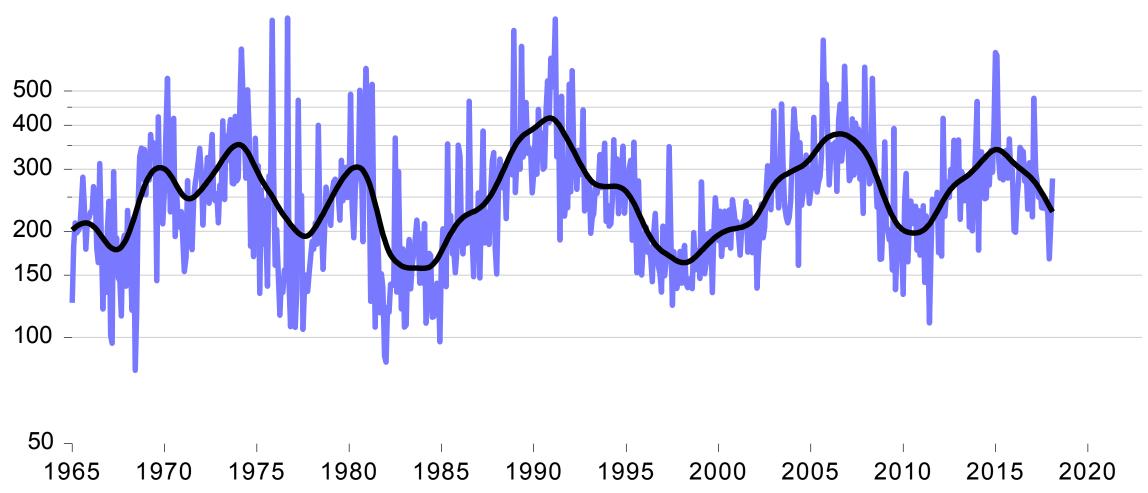
Percent change, year-over-year



2. Hawaji construction now is cycling down after cycling up in 2010s

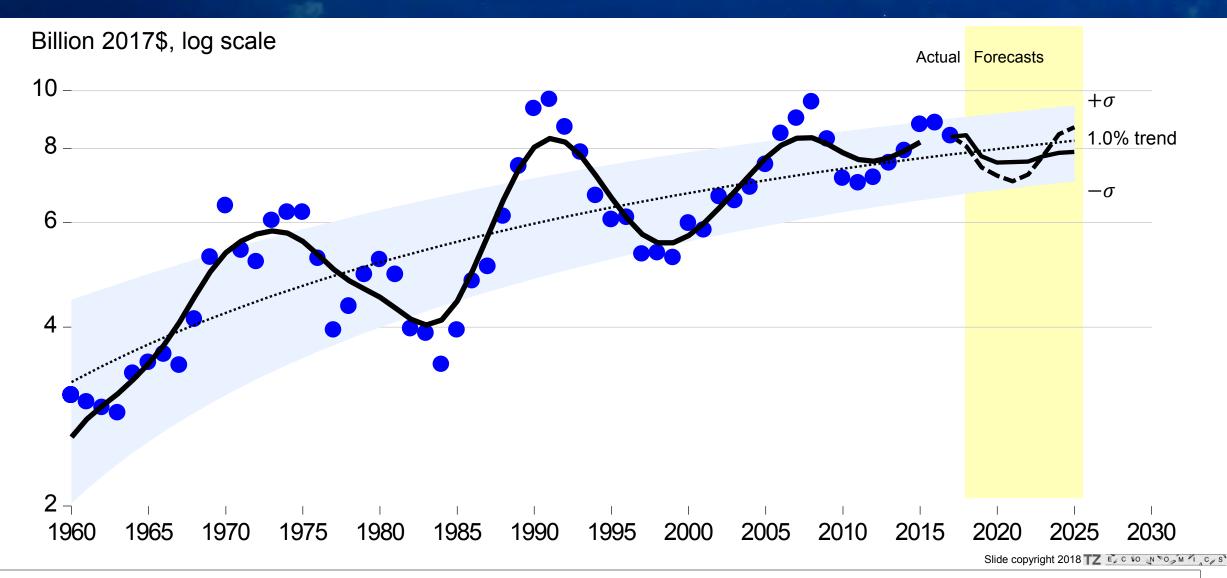
Monthly Hawaii real private building permit value cycling downward for several years since 2015 within narrowing historical bandwidth

Monthly, million 2017\$, s.a. (log scale)



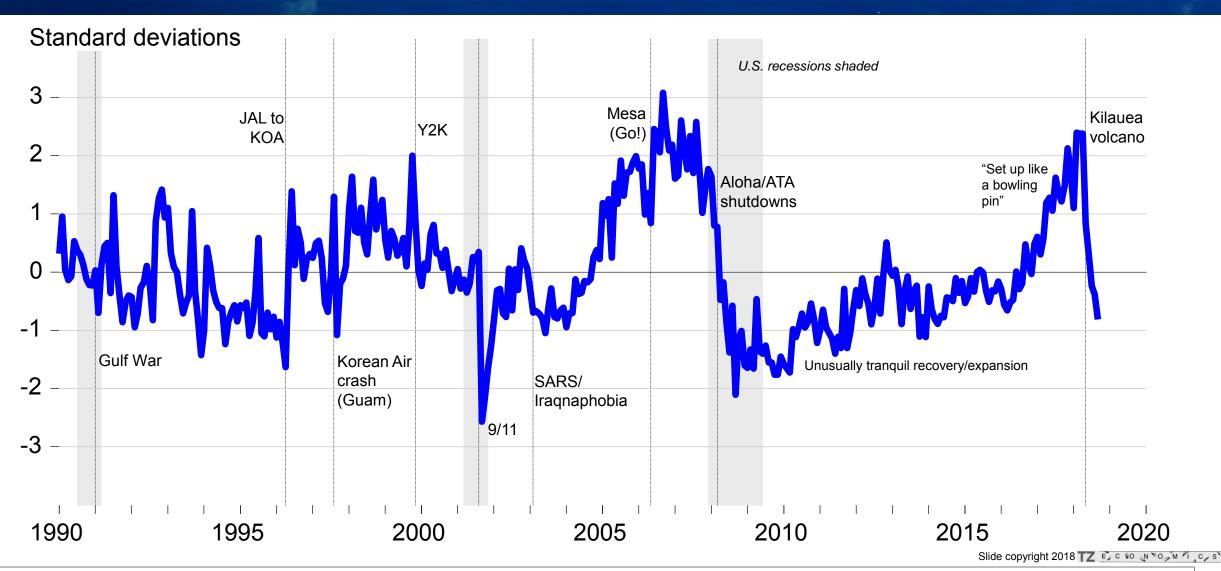
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Real Hawaii contracting receipts forecast to slip to below trend, \$8-9 billion to \$7.0-7.5 billion, in shallow extension of narrowing cycle

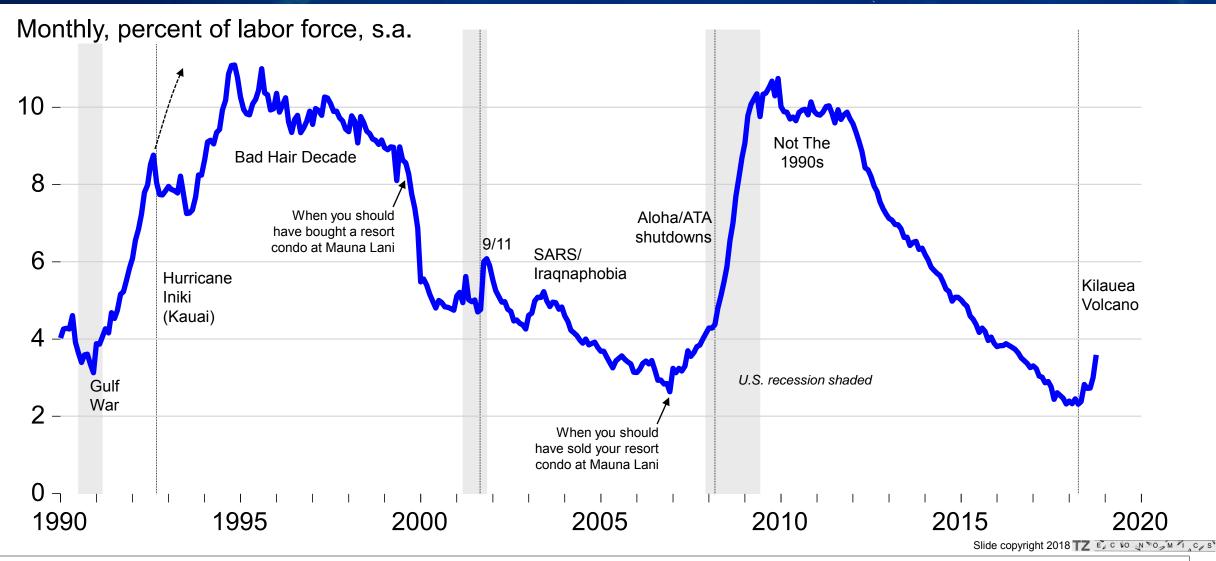


3. Volcanoes and hurricanes

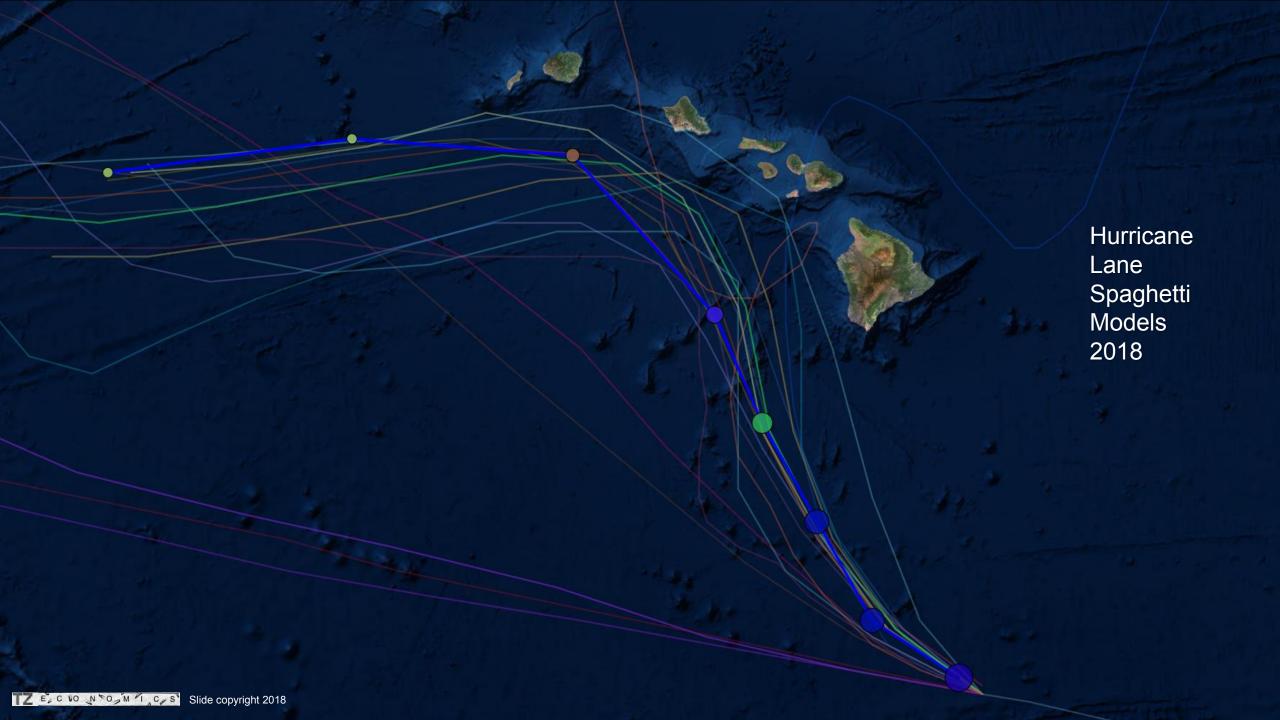
De-trended, seasonally-adjusted Big Island Island visitor arrivals got hit by the Lower Puna/East Rift Eruption like 9/11 and No Aloha (Airlines)



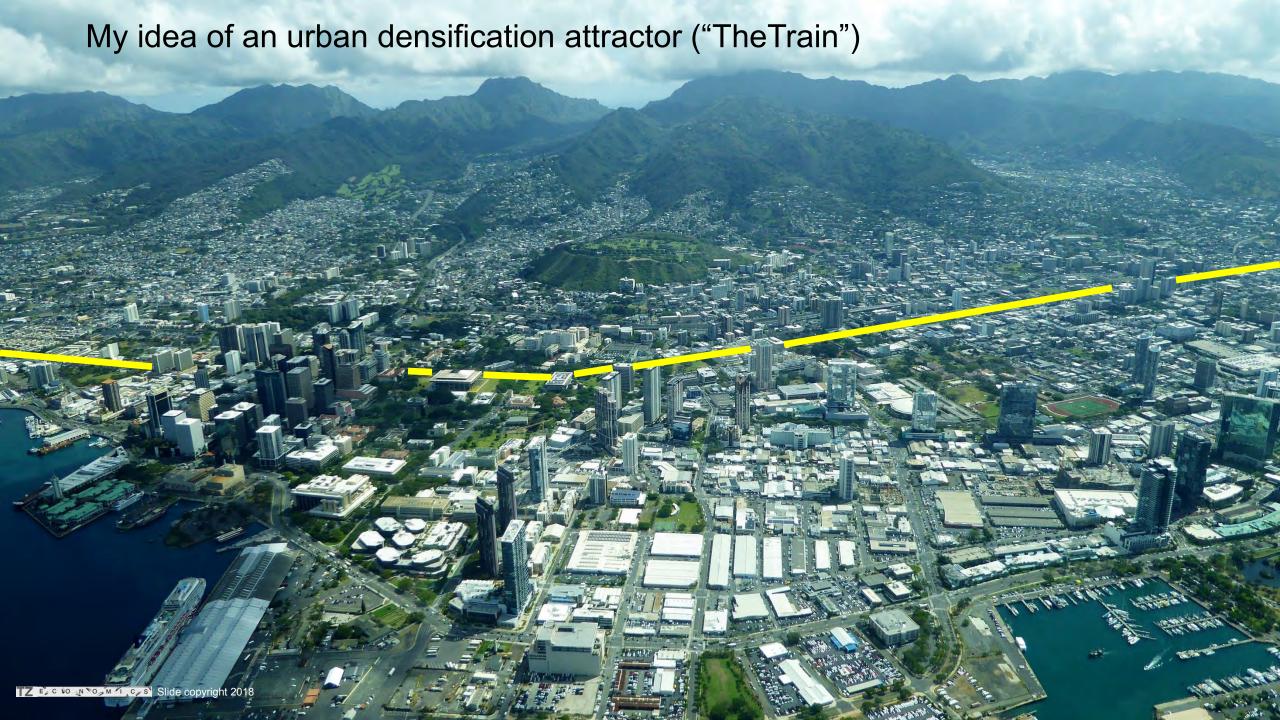
And so it begins? Big Island monthly unemployment rate through October 2018, six months after the Lower Puna/East Rift eruption







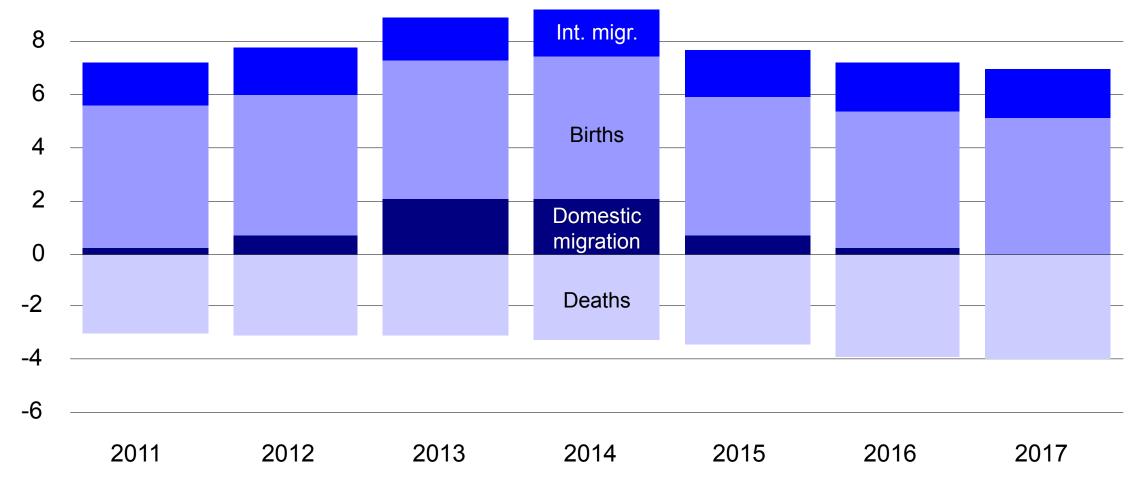




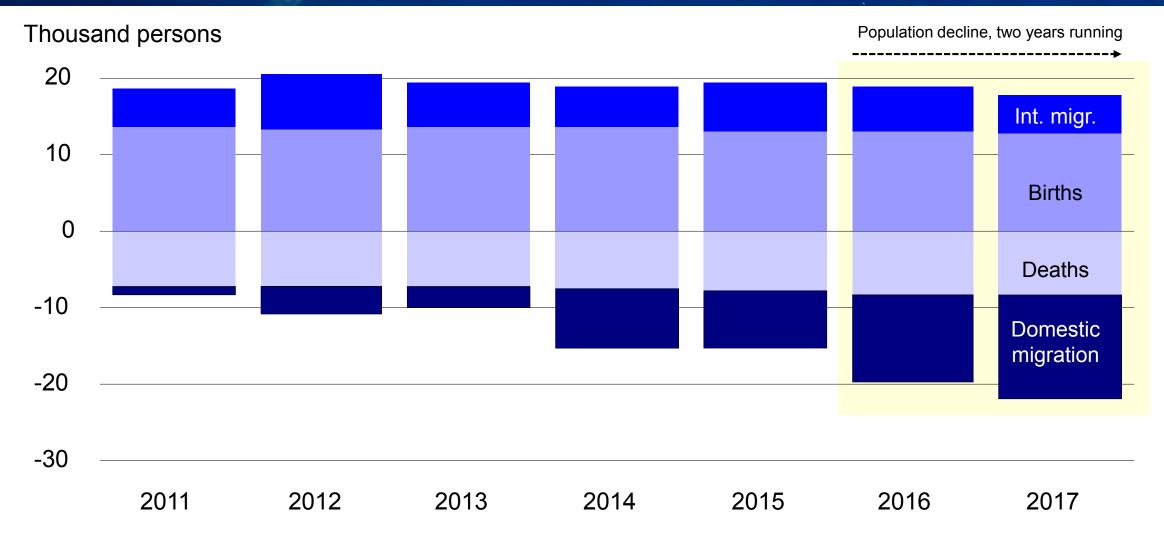
4. Recent migration bodes ill for longer-term population growth trends

Neighbor Isle components of population change: natural increase (births less deaths), net international and net domestic migration

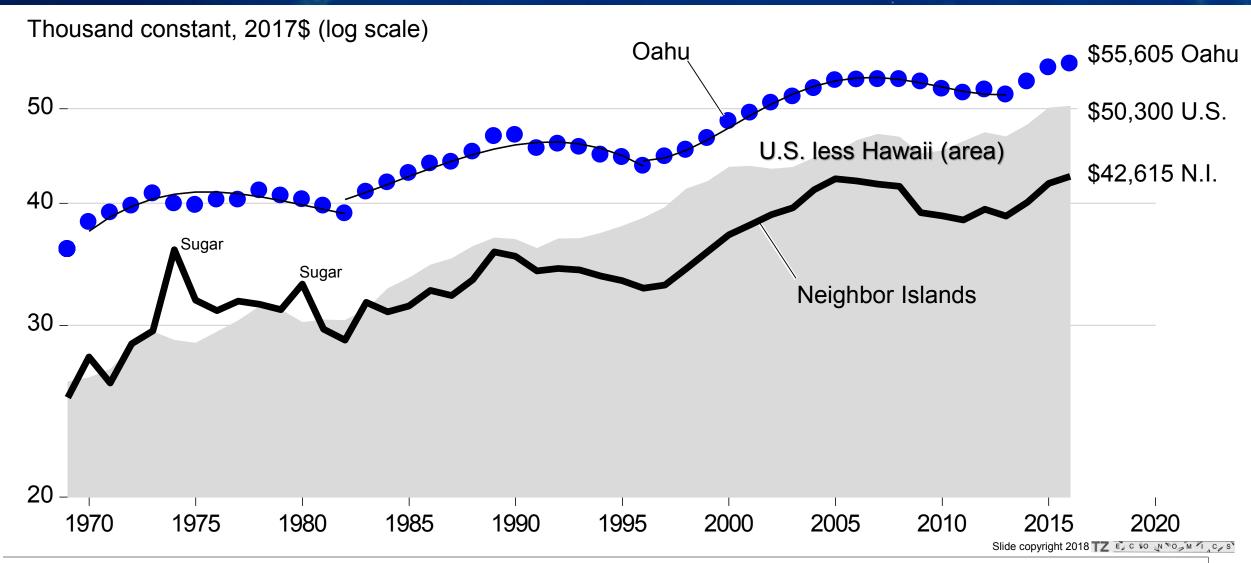
Thousand persons



Oahu components of population change: natural increase (births less deaths), net international migration, and net domestic migration



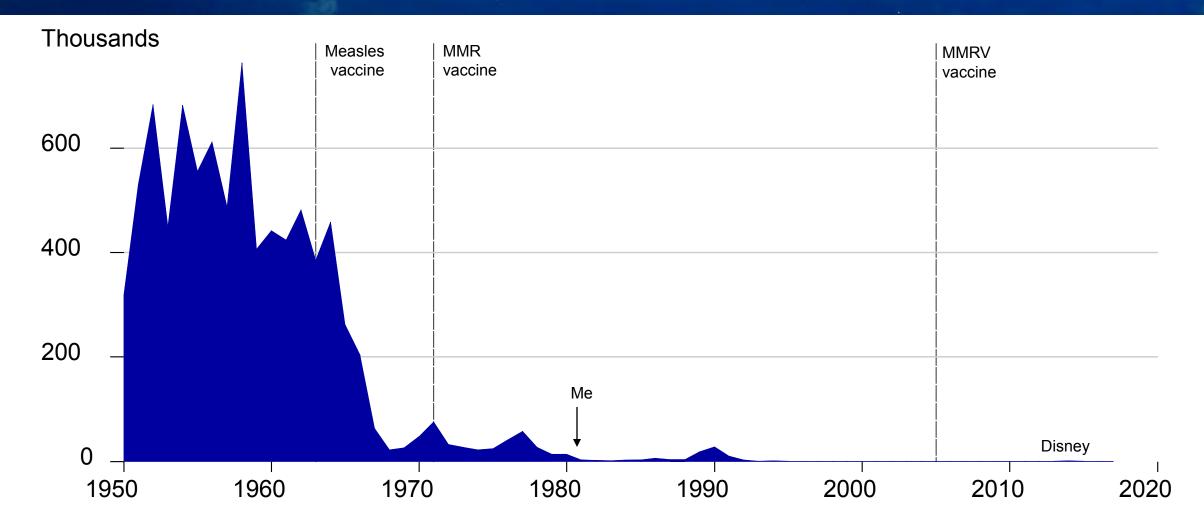
Long-term per capita real income growth trend in Hawaii slower than nationwide, eroding relative values (Neighbor Isles equal "Louisiana")



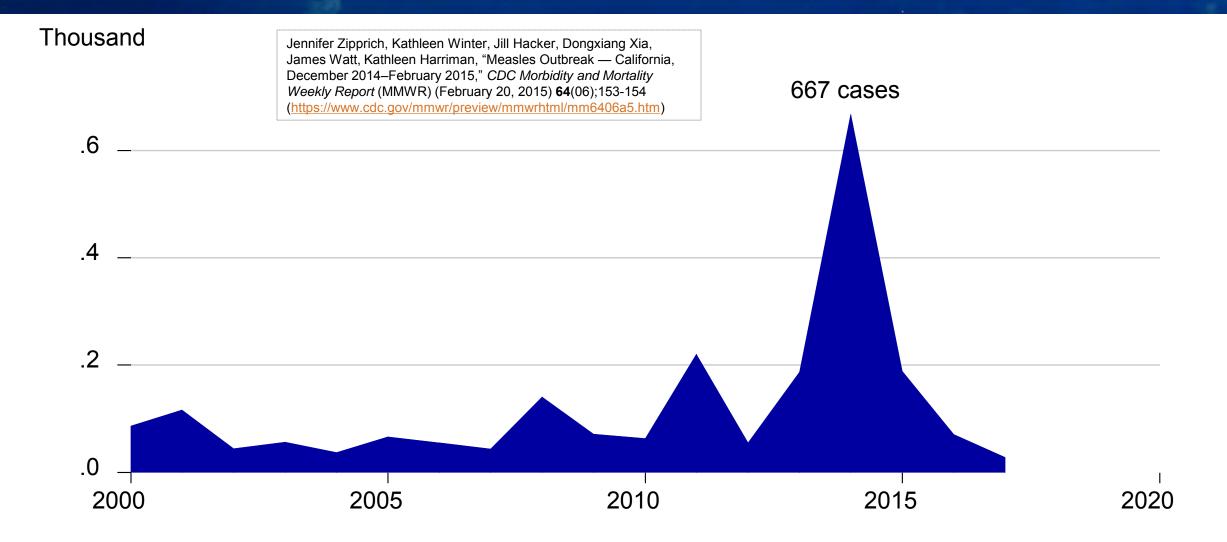


Appendix: negative externalities of recent vaccination fails

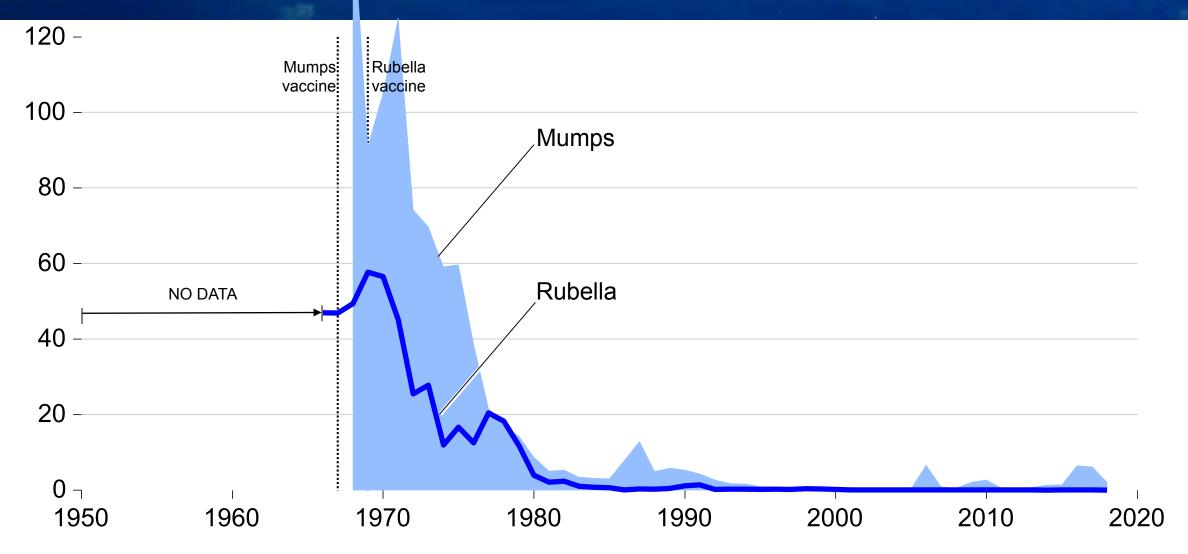
Annual measles cases in the United States (thousands, 1950-2016; 120 cases in 2017; 142 cases to-date through October 6, 2018)



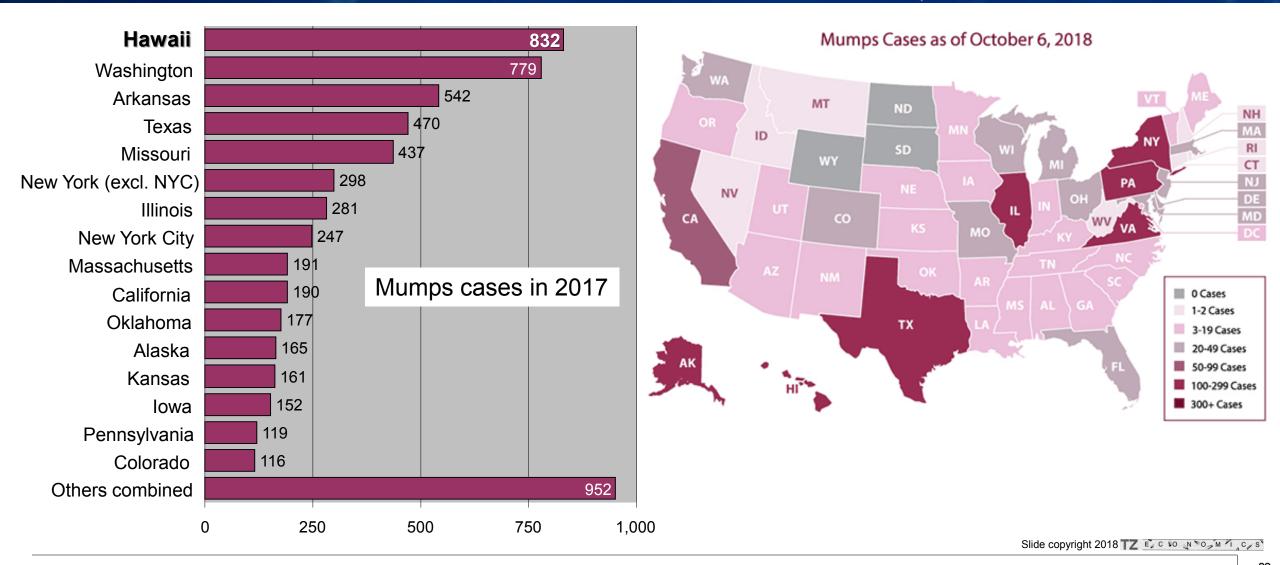
2014 measles outbreak: 383 cases Ohio Amish, 125 from Disneyland 88 percent unvaccinated or unknown (genotype B3 (Philippines etc.))



Annual mumps and German measles cases in U.S. (thousands, 1950-2018 (to date))



Since vaccination, mumps has dropped 99 percent, limiting outbreak size, duration, and spread, but risks are rising from noncompliance



Hawaii's 2017-2018 Mumps outbreak recorded 1,067 cases with CDC (mostly vaccination fails), highest nationwide in total and incidence

