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GETTING NERDE WITH EMERGENCY MANAGEMENT DATA



ALISON TURNER SENIOR ECONOMIC DEVELOPMENT RESEARCHER ARGONNE NATIONAL LABORATORY







AGENDA







NERDE BACKGROUND





NATIONAL ECONOMIC RESEARCH & RESILIENCE CENTER (NERRC)

About Us

We provide innovative and transparent economic data access, research, and analysis to support and strengthen economic development and resilience in communities across the nation.



Find us at: https://www.anl.gov/dis/national-economic-research-resilience-center



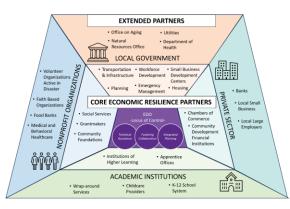


OUR RESEARCH

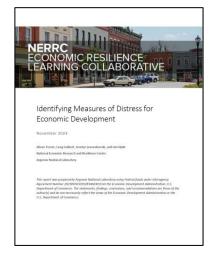
Quarterly Research Briefs



Equity in Economic Development



Building Resilience through Economic Development



Identifying Indicators of Economic Distress





TOOLS AND MODELS

National Economic Resilience Data Explorer



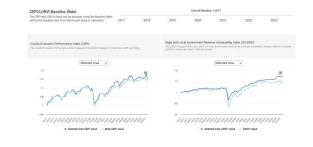
Baseline economic context

Economic Development Capacity Index



Assessment of county-level capacity, strengths, and opportunities for investment

Economic Performance and Government Revenue Indices



Near-real time measures of economic activity



USE CASES





USING NERDE FOR COMMUNICATION

- Area Fact Sheet
 - Quick stats to determine demographic and industry risk
 - Printable one pager for community meetings



NERDE	8/7/2024	Jun	y, KY		
EDD Info		About Cla	y County, Ken	tucky	
Region Atlanta		Clay Count	v, Kentucky ha	s a population of 20,322,	and the second s
Cumberland Valley Area De	velopment	of which 9.		insurance, 31% live in	
Name District (KYDLG/Gold)		poverty.			
Website https://www.cvadd.org/				41.2 C	
	EDCI Category F	Percentiles			
iii iii	귀		ha	11	
Human Capital Financial	Infrastruc	ture	Industry	Institutions &	
				Partnerships	
ercentile: 0.03 Percentile: 0.07 apacity: Low Capacity: Limited	Percentile: 0.0 Capacity: Low		ercentile: 0.18 apacity: Moder	Percentile: 0.03 ate Capacity: Low	
Capacity: Limited	Capacity: Low	u	apacity. Moder	are capacity. Low	
		Eco	onomic Dist	tress Indicators	
24-Month Unemployment	Current	t Unemployr	ment	Per Capita Income (Census) \$19,579	Per Capita Income (BEA) \$37,992
Demographics				Workforce & Industry	
Category	Total	Percent	Compared to National	24-Month Unemployment	
	Age				
Population 65 or Over	3216		0.70%	12%	-e- National
Population Under 18	4206 /Ethnicity	20.70%	1.41%	E%	County
American Indian or Alaskan Native	(Callecty 6	0.03%	0.52%	4%	
Asian	11	0.05%	5.65%	2%	
Black or African-American	831		8.04%	660000000000	C. C. C. C. C.
Hispanic or Latino	250		17.42%		
Native Hawaiian or Pacific Islander	10		0.12%		
Non-Hispanic or Latino	20072		-17.42%	Top 5 Industries by GDP	
Other Two or More Races	11 626		0.38%	Industry	GDP (Thousands) \$123.275
Wo or More Haces	18577		-32.55%	Government and government enterprises Real estate and rental and leasing	\$72,984
	Sex 10377	71.413	102.03%	Real estate and rental and leasing Retail trade	\$44.172
Female	9619		3.08%	Other services (except povernment and	
Male	10703	52.67%	-3.08%	government enterprises)	\$15,797
	ucation			Transportation and warehousing	\$15,145
9th to 12th Grade (No Diploma)	1992		-5.61%	the second second second second	
Associate's Degree	2082	10.25%	3.25%	Top 5 Industries by Number of Jobs	
Bachelor's Degree Braduate Professional	1050		9.09%	Industry	Jobs
	1037		4.07%	Government and government enterprises	1,419
			-9.56%	Retail trade	741
High School Graduate				Other services (except government and	415
figh School Graduate .ess than 9th Grade	2103	10.25%	3.25%	and the second second second second	415
ligh School Graduate	2103 2082	10.25%	3.25%	government enterprises) Farm employment	260





USING NERDE FOR DISASTER RECOVERY

- Risk and Resilience in **NERDE**
 - Climate projections
 - Disaster summaries
 - Annual loss projections

Summary	Demographics	Housing and Infrastructure	Workforce	Local Economy	Industry Trends	Risk and Resilience
~	Climate	Projection Variable				Value
		ounty (KY) , Clay County (KY Whitley County (KY)	') , Harlan Co	unty (KY) , Jackso	n County (KY) , Kn	ox County (KY) , Laurel County (KY) , Rockcastie Cou
	Annua	1				
	Change	in Days Without Precipitation				 -3.47 to +1.27 (Days)
	Change	in Maximum Average Temperature				 +2.09 to +2.48 (Degrees F)
	Change	in Minimum Average Temperature				 +2.18 to +2.38 (Degrees F)
	Autum	1n				
	Change	in Maximum Daily Precipitation				 +0.02 to +0.19 (Inches)
	Change	in Minimum Average Temperature				 *3.71 to +4.11 (Degrees F)
	Change	in Fire Weather Index				 -1.70 to -1.13
	Winter	r				
	Change	in Maximum Daily Precipitation				 -0.11 to +0.02 (Inches)
	Change	in Minimum Average Temperature				 +1.93 to +2.46 (Degrees F)
	Change	in Fire Weather Index				 -0.01 to +0.06
	Spring	1				
	Change	in Maximum Daily Precipitation				 +0.12 to +0.44 (Inches)
	Change	in Minimum Average Temperature				 +3.39 to +3.75 (Degrees F)
	Change	in Fire Weather Index				 +0.08 to +0.26
	Summ	ier				
	Change	in Days with Max Heat Index Over	105			 +1.02 to +3.37
	Change	in Days with Max Heat Index Over	115			 +0.58 to +1.98
	Change	in Days with Max Heat Index Over	125			 +0.37 to +1.44
	Change	in Days with Max Heat Index Over	95			 +4.07 to +11.09
	Change	in Daily Max Heat Index				+4.91 to +5.93
	Change	in Seasonal Max Heat Index				 +11.47 to +16.13
	Change	in Maximum Daily Precipitation				 +0.02 to +0.20 (Inches)
	Change	in Minimum Average Temperature				 +4.55 to +4.76 (Degrees F)
	Change	in Fire Weather Index				 -0.34 to -0.21

ClimRR Climate Projections Projected climate conditions from the ClimRR dataset

Category: Maximum Average Temperat

Season: Annual V Q n 0





New Sources

USING NERDE FOR GRANT **APPLICATIONS**

6.51%

177.96% of National

6,76%

184.57% of National

5.93%

162.01% of National

5.98%

163.28% of National

4 63%

126,48% of National

4.83%

131.84% of National

4.89%

133.59% of National

5.33%

145.59% of National

Geography National

Bell County

Clay County

Harlan County

Jackson County

Knox County

Laurel County

Rockcastle County

Whitley County

Selected Area

Distress Statistics Generator

- Highlighted distress metrics
- County and Tract level information

Target A	rea Data Summary		Map Selection No Active Selection State			
You have sele	ected:					
	entucky (FIPS #21013)		Kentucky (KY) 👻			
	<entucky #21051)<br="" (fips="">y, Kentucky (FIPS #21095)</entucky>		Pick the state you wish to filter counties for			
 Jackson Cour 	nty, Kentucky (FIPS #21109)		County			
	Kentucky (FIPS #21121)		Select County • Pol: the county you with to replore Healan County, KY (FIPE: 21195) () Knox County, KY (FIPE: 21123) () Clay County, KY (FIPE: 2105) ()			
	, Kentucky (FIPS #21125)					
	ounty, Kentucky (FIPS #21203)					
 Whitley Count 	ty, Kentucky (FIPS #21235)					
			Bell County, KY (FIPS: 21013) 🛞 Laurel County, KY (FIPS: 21125) 🚳	Whitley County, KY (FIPS: 21235) 🛞		
This selection	n is part of the following Economic I	Development Districts:	Jackson County, KY (FIPS: 21109) 🛞 Rockcastle County, KY (FIPS: 2	21203) 🛞		
Cumberland Vall	ey Area Development District (KYDLG/Gold)		VIEW DISTRESS STATS		
aphy	24-Month Unemployment	Per-Capita Income	Disaster in the Past 5 Years	Adjacent to Tribal Bou		
nal	3.66%	\$65,470				
ounty	5.66% 154.59% of National	\$39,665 60.59% of National	Yes	No		

Vas

Yes

Yes

Yes

Vac

Yes

Ves

Yes

Colors in the table indicate a gradient of distress. Highlighted values in vellow indicate communities under slight distress, light orange indicates mild distress, dark orange indicates moderate distress, and red indicates severe distress. The disaster and tribal columns are highlighted in red for communities that have experienced a disaster or are adjacent to a tribal boundary

\$37,992

58.03% of National

\$37712

57.60% of Nationa

\$36,774

56.17% of National

\$37,196

56.81% of National

\$40,398

61.70% of National

\$39,538

60.39% of National \$42.174

64.42% of National

\$39.393.123

60.17% of Nationa





No

No

No

No

No

No

No

No

TECHNICAL DEMONSTRATION





QUESTIONS?





THANK YOU! Contact us: nerrc@anl.gov





Argonne