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# Data Appendix: Repair Cost Estimates

Eileen Divringi, Community Development Research Manager

**COMMUNITY DEVELOPMENT & REGIONAL OUTREACH** 

The following tables provide estimates of the prevalence and average costs of home repair needs for subnational geographies included in the 2023 American Housing Survey Public Use Files.<sup>1</sup> The methodology for producing these estimates is detailed in accompanying publications.<sup>2</sup>

Census regions are collections of contiguous states defined by the U.S. Census Bureau.<sup>3</sup> Metropolitan statistical areas are collections of contiguous counties defined by the Office of Management and Budget.<sup>4</sup> Nonmetropolitan portions of census regions, which are predominantly rural areas, consist of all counties that are not part of metropolitan statistical areas within that collection of states.

Metropolitan statistical areas included in this data appendix:

Atlanta-Sandy Springs-Roswell, GA
Boston-Cambridge-Newton, MA-NH
Chicago-Naperville-Elgin, IL-IN-WI
Cincinnati, OH-KY-IN
Cleveland-Elyria, OH
Dallas-Fort Worth-Arlington, TX
Denver-Aurora-Lakewood, CO
Detroit-Warren-Dearborn, MI
Houston-The Woodlands-Sugar Land,
TX
Los Angeles-Long Beach-Anaheim, CA

Miami-Fort Lauderdale-West Palm Beach, FL
Milwaukee-Waukesha-West Allis, WI
New Orleans-Metairie, LA
New York-Newark-Jersey City, NY-NJ-PA
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
Phoenix-Mesa-Scottsdale, AZ
Riverside-San Bernardino-Ontario, CA
San Francisco-Oakland-Hayward, CA
Seattle-Tacoma-Bellevue, WA
Washington-Arlington-Alexandria, DC-VA-MD-WV

<sup>&</sup>lt;sup>1</sup> For additional information on the geographies sampled for the 2023 American Housing Survey, see <a href="https://www.census.gov/programs-surveys/ahs/tech-documentation/help-guides/2015-later/puf">www.census.gov/programs-surveys/ahs/tech-documentation/help-guides/2015-later/puf</a> 2015later.html.

<sup>&</sup>lt;sup>2</sup> See www.philadelphiafed.org/community-development/housing-and-neighborhoods/home-repair-costs-2025.

<sup>&</sup>lt;sup>3</sup> For definitions, see <a href="https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us\_regdiv.pdf">www2.census.gov/geo/pdfs/maps-data/maps/reference/us\_regdiv.pdf</a>.

<sup>&</sup>lt;sup>4</sup> The 2023 American Housing Survey uses the metropolitan statistical areas published in February 2013, available at <a href="https://www.whitehouse.gov/wp-content/uploads/legacy">www.whitehouse.gov/wp-content/uploads/legacy</a> drupal files/omb/bulletins/2013/b13-01.pdf.

## **Midwest Census Region**

	Percent	Number	Re		
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	36.1%	10.4	\$41.9	\$1,888	\$4,033
Tenure					
Owner-Occupied	34.6%	6.9	\$29.7	\$2,020	\$4,295
Renter-Occupied	39.7%	3.5	\$12.2	\$1,734	\$3,513
Income as a Percent of Federal Poverty Level					
Less than 200%	42.5%	3.4	\$15.5	\$2,084	\$4,525
200% or More	33.6%	7.0	\$26.4	\$1,888	\$3,791
Race/Ethnicity of Householder					
Person of Color	39.7%	2.6	\$10.5	\$1,870	\$3,979
Non-Hispanic White	35.0%	7.7	\$31.4	\$1,906	\$4,052
Household Type					
Households with Children	41.7%	3.2	\$14.0	\$2,184	\$4,372
Households without Children	34.1%	7.2	\$27.9	\$1,888	\$3,883
Building Type					
Mobile/Manufactured Home	47.4%	0.5	\$2.6	\$3,436	\$5,359
Single-Family Home	36.2%	7.8	\$34.5	\$2,151	\$4,438
Multifamily	34.1%	2.1	\$4.8	\$1,552	\$2,260
Year Built					
Before 1980	41.5%	7.1	\$31.1	\$2,151	\$4,390
1980 or Later	28.2%	3.3	\$10.8	\$1,734	\$3,266

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian.

# **Northeast Census Region**

	Percent	Number	Re		
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	37.9%	8.8	\$32.8	\$1,751	\$3,716
Tenure					
Owner-Occupied	34.6%	5.0	\$21.5	\$1,888	\$4,254
Renter-Occupied	43.6%	3.8	\$11.3	\$1,734	\$2,997
Income as a Percent of Federal Poverty Level					
Less than 200%	42.3%	2.7	\$10.2	\$1,948	\$3,852
200% or More	36.3%	6.2	\$22.6	\$1,734	\$3,657
Race/Ethnicity of Householder					
Person of Color	44.0%	3.4	\$12.2	\$1,848	\$3,626
Non-Hispanic White	35.0%	5.5	\$20.6	\$1,734	\$3,771
Household Type					
Households with Children	43.5%	2.6	\$11.0	\$1,857	\$4,179
Households without Children	35.9%	6.2	\$21.8	\$1,734	\$3,518
Building Type					
Mobile/Manufactured Home	44.7%	0.2	-	-	-
Single-Family Home	35.8%	5.2	\$23.0	\$1,888	\$4,402
Multifamily	41.2%	3.4	\$8.7	\$1,577	\$2,579
Year Built					
Before 1980	41.3%	6.7	\$24.5	\$1,847	\$3,682
1980 or Later	30.4%	2.2	\$8.3	\$1,734	\$3,820

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian.

# **South Census Region**

	Percent	Number	Re	pair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	36.0%	18.5	\$80.4	\$2,019	\$4,355
Tenure					
Owner-Occupied	33.6%	11.5	\$50.3	\$2,145	\$4,381
Renter-Occupied	40.8%	7.0	\$30.2	\$1,909	\$4,313
Income as a Percent of Federal Poverty Level					
Less than 200%	41.4%	6.8	\$35.5	\$2,580	\$5,189
200% or More	33.5%	11.6	\$44.9	\$1,888	\$3,864
Race/Ethnicity of Householder					
Person of Color	38.9%	8.2	\$36.5	\$2,087	\$4,480
Non-Hispanic White	34.0%	10.3	\$43.9	\$1,988	\$4,256
Household Type					
Households with Children	40.4%	5.8	\$25.7	\$2,187	\$4,458
Households without Children	34.3%	12.7	\$54.7	\$1,988	\$4,308
Building Type					
Mobile/Manufactured Home	43.8%	1.7	\$9.0	\$2,632	\$5,152
Single-Family Home	34.9%	13.0	\$60.4	\$2,184	\$4,646
Multifamily	37.1%	3.7	\$11.1	\$1,570	\$2,968
Year Built					
Before 1980	42.5%	8.2	\$42.1	\$2,400	\$5,115
1980 or Later	32.1%	10.2	\$38.3	\$1,888	\$3,744

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian.

#### **West Census Region**

	Percent	Number	Re		
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	37.4%	11.2	\$43.2	\$1,967	\$3,877
Tenure					
Owner-Occupied	36.4%	6.6	\$26.8	\$2,043	\$4,079
Renter-Occupied	38.8%	4.6	\$16.4	\$1,888	\$3,588
Income as a Percent of Federal Poverty Level					
Less than 200%	39.2%	3.0	\$13.4	\$2,237	\$4,402
200% or More	36.7%	8.1	\$29.9	\$1,888	\$3,681
Race/Ethnicity of Householder					
Person of Color	39.0%	5.0	\$20.1	\$2,023	\$4,020
Non-Hispanic White	36.1%	6.2	\$23.1	\$1,888	\$3,761
Household Type					
Households with Children	38.7%	3.3	\$12.5	\$1,953	\$3,809
Households without Children	36.8%	7.9	\$30.7	\$1,968	\$3,906
Building Type					
Mobile/Manufactured Home	43.5%	0.7	\$3.4	\$2,995	\$4,748
Single-Family Home	36.5%	7.4	\$31.5	\$2,176	\$4,279
Multifamily	38.2%	3.1	\$8.3	\$1,734	\$2,709
Year Built					
Before 1980	43.5%	6.2	\$26.3	\$2,184	\$4,275
1980 or Later	31.8%	5.0	\$16.9	\$1,871	\$3,388

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian.

## **Nonmetropolitan Midwest Census Region**

		Repair Costs			
		with		-	
		Repair			
	Percent with	Needs	Aggregate		
	Repair Needs	(Millions)	(Billions)	Median	Average
All	37.4%	2.40	\$11.6	\$2,869	\$4,844
Tenure					
Owner-Occupied	37.0%	1.79	\$9.3	\$3,409	\$5,227
Renter-Occupied	38.3%	0.61	\$2.3	\$1,888	\$3,722
Income as a Percent of Federal Poverty Level					
Less than 200%	43.8%	0.87	\$4.3	\$2,870	\$4,890
200% or More	34.5%	1.53	\$7.4	\$2,868	\$4,818
Race/Ethnicity of Householder					
Person of Color	50.5%	0.24	-	-	-
Non-Hispanic White	36.3%	2.16	\$10.4	\$2,862	\$4,842
Household Type					
Households with Children	46.7%	0.79	\$3.9	\$3,562	\$4,969
Households without Children	34.1%	1.61	\$7.7	\$2,571	\$4,783
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	38.5%	1.96	\$10.2	\$3,409	\$5,218
Multifamily	29.3%	0.27	\$0.6	\$1,333	\$2,084
Year Built					
Before 1980	41.9%	1.66	\$9.2	\$3,489	\$5,571
1980 or Later	30.0%	0.74	\$2.4	\$1,893	\$3,216

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian.

## **Nonmetropolitan Northeast Census Region**

		Number	Repair Costs		
		with			
		Repair			
	Percent with	Needs	Aggregate		
	Repair Needs	(Millions)	(Billions)	Median	Average
All	36.4%	0.78	\$4.0	\$1,888	\$5,188
Tenure					
Owner-Occupied	36.0%	0.59	\$3.4	\$2,179	\$5,679
Renter-Occupied	37.4%	0.19	-	-	-
Income as a Percent of Federal Poverty Level					
Less than 200%	41.4%	0.26	-	-	-
200% or More	34.2%	0.51	\$2.9	\$1,885	\$5,639
Race/Ethnicity of Householder					
Person of Color	-	-	-	-	-
Non-Hispanic White	35.9%	0.72	\$3.8	\$1,888	\$5,281
Household Type					
Households with Children	44.7%	0.26	-	-	-
Households without Children	33.3%	0.52	\$2.4	\$1,871	\$4,663
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	38.1%	0.64	\$3.7	\$2,243	\$5,836
Multifamily	30.3%	0.09	-	-	-
Year Built			-	-	-
Before 1980	39.9%	0.54	\$2.6	\$1,816	\$4,743
1980 or Later	30.2%	0.24	-	-	-

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian.

# **Nonmetropolitan South Census Region**

		Number	Re	pair Costs	
	Percent	with Repair			
	with Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	39.0%	3.09	\$16.3	\$2,881	\$5,270
Tenure					
Owner-Occupied	37.2%	2.18	\$11.1	\$2,986	\$5,079
Renter-Occupied	44.0%	0.91	\$5.2	\$2,629	\$5,728
Income as a Percent of Federal Poverty Level					
Less than 200%	43.1%	1.45	\$8.3	\$3,265	\$5,699
200% or More	36.0%	1.64	\$8.0	\$2,582	\$4,890
Race/Ethnicity of Householder					
Person of Color	42.0%	0.96	\$5.3	\$3,031	\$5,541
Non-Hispanic White	37.8%	2.13	\$11.0	\$2,785	\$5,148
Household Type					
Households with Children	43.7%	0.92	\$4.9	\$2,709	\$5,356
Households without Children	37.3%	2.17	\$11.4	\$2,900	\$5,234
Building Type					
Mobile/Manufactured Home	42.1%	0.61	\$3.7	\$3,541	\$6,079
Single-Family Home	38.2%	2.20	\$11.9	\$3,093	\$5,386
Multifamily	38.8%	0.27	\$0.7	\$857	\$2,528
Year Built					
Before 1980	41.7%	1.41	\$8.4	\$3,512	\$5,931
1980 or Later	37.0%	1.68	\$7.9	\$2,181	\$4,716

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian.

# Nonmetropolitan West Census Region

-	Percent	Number	Re	pair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	42.7%	1.14	\$5.7	\$3,114	\$4,997
Tenure					
Owner-Occupied	42.5%	0.83	\$4.2	\$3,473	\$5,070
Renter-Occupied	43.2%	0.31	-	-	-
Income as a Percent of Federal Poverty Level					
Less than 200%	49.5%	0.49	-	-	-
200% or More	38.7%	0.65	\$2.6	\$2,571	\$4,064
Race/Ethnicity of Householder					
Person of Color	63.7%	0.42	-	-	-
Non-Hispanic White	35.7%	0.71	\$3.1	\$2,584	\$4,411
Household Type					
Households with Children	-	-	-	-	-
Households without Children	40.7%	0.83	\$4.3	\$3,125	\$5,162
Building Type					
Mobile/Manufactured Home	_	-	-	-	-
Single-Family Home	42.1%	0.81	\$4.1	\$2,826	\$5,108
Multifamily	-	-	-	-	-
Year Built					
Before 1980	47.2%	0.58	\$2.7	\$2,261	\$4,669
1980 or Later	38.9%	0.56	-	-	-

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian.

#### **Atlanta-Sandy Springs-Roswell, GA**

		Number	Re	S	
	Percent	with			
	with	Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	25.1%	0.60	\$2.1	\$1,737	\$3,475
Tenure					
Owner-Occupied	23.5%	0.38	\$1.3	\$1,737	\$3,433
Renter-Occupied	28.4%	0.22	\$0.8	\$1,737	\$3,546
Income as a Percent of Federal Poverty Level					
Less than 200%	28.4%	0.17	\$0.6	\$1,737	\$3,702
200% or More	24.1%	0.44	\$1.5	\$1,737	\$3,389
Race/Ethnicity of Householder					
Person of Color	27.1%	0.35	\$1.2	\$1,595	\$3,389
Non-Hispanic White	22.8%	0.25	\$0.9	\$1,928	\$3,594
Household Type					
Households with Children	25.6%	0.17	\$0.5	\$1,753	\$3,213
Households without Children	24.9%	0.44	\$1.6	\$1,698	\$3,575
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	24.5%	0.46	\$1.6	\$1,737	\$3,573
Multifamily	27.4%	0.13	\$0.4	\$1,595	\$3,153
Year Built					
Before 1980	30.2%	0.17	\$0.7	\$2,009	\$3,834
1980 or Later	23.6%	0.43	\$1.4	\$1,595	\$3,333

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

## **Boston-Cambridge-Newton, MA-NH**

		Number	Repair Costs		
	Percent	with			
	with	Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	37.1%	0.73	\$2.7	\$1,851	\$3,636
Tenure					
Owner-Occupied	35.9%	0.44	\$1.7	\$1,807	\$3,915
Renter-Occupied	39.0%	0.29	\$0.9	\$1,892	\$3,221
Income as a Percent of Federal Poverty Level					
Less than 200%	38.4%	0.16	\$0.6	\$1,977	\$3,577
200% or More	36.7%	0.57	\$2.1	\$1,790	\$3,653
Race/Ethnicity of Householder					
Person of Color	41.3%	0.23	\$0.8	\$1,870	\$3,388
Non-Hispanic White	35.4%	0.50	\$1.9	\$1,852	\$3,752
Household Type					
Households with Children	42.1%	0.23	\$0.9	\$1,956	\$3,726
Households without Children	35.2%	0.50	\$1.8	\$1,800	\$3,596
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	36.8%	0.40	\$1.8	\$1,977	\$4,478
Multifamily	37.4%	0.33	\$0.8	\$1,769	\$2,562
Year Built					
Before 1980	39.6%	0.54	\$2.2	\$1,977	\$4,034
1980 or Later	31.5%	0.20	\$0.5	\$1,396	\$2,543

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

## Chicago-Naperville-Elgin, IL-IN-WI

		Number	Re	pair Costs	<u> </u>
	Percent	with			
	with	Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	30.1%	1.13	\$4.8	\$2,098	\$4,207
Tenure					
Owner-Occupied	27.7%	0.66	\$3.0	\$2,138	\$4,510
Renter-Occupied	34.2%	0.47	\$1.8	\$2,098	\$3,780
Income as a Percent of Federal Poverty Level					
Less than 200%	35.4%	0.36	\$1.7	\$2,285	\$4,689
200% or More	28.1%	0.77	\$3.1	\$1,989	\$3,981
Race/Ethnicity of Householder					
Person of Color	32.6%	0.55	\$2.2	\$2,236	\$3,997
Non-Hispanic White	28.1%	0.59	\$2.6	\$2,098	\$4,401
Household Type					
Households with Children	35.2%	0.38	\$1.9	\$2,285	\$4,943
Households without Children	28.0%	0.75	\$2.9	\$2,098	\$3,828
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	29.6%	0.67	\$3.2	\$2,264	\$4,847
Multifamily	30.6%	0.45	\$1.4	\$2,098	\$3,092
Year Built					
Before 1980	32.0%	0.77	\$3.4	\$2,098	\$4,347
1980 or Later	26.6%	0.36	\$1.4	\$2,166	\$3,905

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

### Cincinnati, OH-KY-IN

	Percent	Number	Re	pair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	40.4%	0.37	\$1.3	\$1,700	\$3,669
Tenure					
Owner-Occupied	37.5%	0.24	\$0.9	\$1,599	\$3,608
Renter-Occupied	47.1%	0.13	\$0.5	\$1,936	\$3,779
Income as a Percent of Federal Poverty Level					
Less than 200%	50.9%	0.11	\$0.4	\$2,059	\$3,956
200% or More	37.1%	0.26	\$0.9	\$1,570	\$3,545
Race/Ethnicity of Householder					
Person of Color	44.9%	0.09	\$0.3	\$2,007	\$3,439
Non-Hispanic White	39.1%	0.28	\$1.0	\$1,593	\$3,744
Household Type					
Households with Children	44.5%	0.10	\$0.4	\$1,819	\$4,134
Households without Children	39.0%	0.26	\$0.9	\$1,601	\$3,484
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	40.3%	0.28	\$1.1	\$1,700	\$3,940
Multifamily	39.7%	0.08	\$0.2	\$1,558	\$2,530
Year Built					
Before 1980	44.5%	0.23	\$0.9	\$2,024	\$3,994
1980 or Later	35.1%	0.14	\$0.4	\$1,421	\$3,134

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

# Cleveland-Elyria, OH

-	Percent	Number	Re	pair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	37.8%	0.34	\$1.4	\$1,912	\$4,084
Tenure					
Owner-Occupied	35.6%	0.23	\$1.0	\$2,099	\$4,436
Renter-Occupied	43.1%	0.11	\$0.4	\$1,647	\$3,364
Income as a Percent of Federal Poverty Level					
Less than 200%	43.3%	0.12	\$0.5	\$2,171	\$4,220
200% or More	35.4%	0.22	\$0.9	\$1,797	\$4,010
Race/Ethnicity of Householder					
Person of Color	43.1%	0.12	\$0.5	\$1,892	\$4,214
Non-Hispanic White	35.5%	0.22	\$0.9	\$1,924	\$4,014
Household Type					
Households with Children	43.0%	0.09	\$0.4	\$1,525	\$3,978
Households without Children	36.2%	0.25	\$1.0	\$2,063	\$4,121
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	38.1%	0.27	\$1.2	\$2,099	\$4,441
Multifamily	35.4%	0.07	-	-	\$2,663
Year Built					
Before 1980	41.1%	0.28	\$1.1	\$2,044	\$4,033
1980 or Later	28.5%	0.07	\$0.3	\$1,549	\$4,286

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

**Dallas-Fort Worth-Arlington, TX** 

	Percent	Number	Re	epair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	36.6%	1.11	\$3.8	\$1,710	\$3,420
Tenure					
Owner-Occupied	32.7%	0.59	\$2.4	\$1,878	\$4,032
Renter-Occupied	42.3%	0.52	\$1.4	\$1,570	\$2,722
Income as a Percent of Federal Poverty Level					
Less than 200%	46.4%	0.31	\$1.2	\$1,876	\$3,921
200% or More	33.7%	0.80	\$2.6	\$1,620	\$3,223
Race/Ethnicity of Householder					
Person of Color	38.7%	0.62	\$2.1	\$1,724	\$3,448
Non-Hispanic White	34.2%	0.49	\$1.6	\$1,620	\$3,384
Household Type					
Households with Children	37.4%	0.36	\$1.2	\$1,710	\$3,423
Households without Children	36.2%	0.75	\$2.6	\$1,702	\$3,419
Building Type					
Mobile/Manufactured Home	58.7%	0.05	-	-	-
Single-Family Home	33.6%	0.71	\$2.7	\$1,856	\$3,861
Multifamily	41.9%	0.36	\$0.8	\$1,474	\$2,391
Year Built					
Before 1980	46.2%	0.41	\$1.7	\$2,194	\$4,219
1980 or Later	32.6%	0.70	\$2.1	\$1,605	\$2,952

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

## Denver-Aurora-Lakewood, CO

	Percent	Percent Number			
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	41.0%	0.51	\$1.7	\$1,421	\$3,270
Tenure					
Owner-Occupied	40.1%	0.33	\$1.1	\$1,434	\$3,428
Renter-Occupied	42.7%	0.18	\$0.5	\$1,413	\$2,983
Income as a Percent of Federal Poverty Level					
Less than 200%	48.3%	0.09	\$0.3	\$1,542	\$3,613
200% or More	39.6%	0.41	\$1.3	\$1,413	\$3,191
Race/Ethnicity of Householder					
Person of Color	40.4%	0.15	\$0.5	\$1,628	\$3,497
Non-Hispanic White	41.3%	0.35	\$1.1	\$1,397	\$3,171
Household Type					
Households with Children	45.7%	0.15	\$0.4	\$1,397	\$3,023
Households without Children	39.3%	0.36	\$1.2	\$1,513	\$3,371
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	41.1%	0.35	\$1.3	\$1,562	\$3,709
Multifamily	40.0%	0.15	\$0.3	\$1,361	\$2,245
Year Built					
Before 1980	48.7%	0.26	\$0.9	\$1,570	\$3,571
1980 or Later	35.2%	0.25	\$0.7	\$1,397	\$2,960

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

### **Detroit-Warren-Dearborn, MI**

	Percent	Number	Re	pair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	33.4%	0.59	\$2.6	\$2,093	\$4,422
Tenure					
Owner-Occupied	32.3%	0.41	\$1.9	\$2,124	\$4,705
Renter-Occupied	36.3%	0.18	\$0.7	\$1,965	\$3,780
Income as a Percent of Federal Poverty Level					
Less than 200%	39.0%	0.21	\$1.0	\$2,670	\$4,925
200% or More	31.0%	0.38	\$1.6	\$1,907	\$4,148
Race/Ethnicity of Householder					
Person of Color	39.1%	0.24	\$1.3	\$2,977	\$5,293
Non-Hispanic White	30.4%	0.34	\$1.3	\$1,894	\$3,812
Household Type					
Households with Children	40.1%	0.17	\$0.8	\$2,345	\$5,017
Households without Children	31.4%	0.42	\$1.8	\$1,907	\$4,189
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	34.0%	0.48	\$2.2	\$2,186	\$4,653
Multifamily	28.9%	0.08	\$0.2	-	-
Year Built					
Before 1980	36.5%	0.43	\$2.0	\$2,296	\$4,605
1980 or Later	27.0%	0.15	\$0.6	\$1,751	\$3,906

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

### **Houston-The Woodlands-Sugar Land, TX**

	Number		Re	pair Costs	;
	Percent with Repair Needs	with Repair Needs (Millions)	Aggregate (Billions)	Median	Average
All	36.7%	1.01	\$3.1	\$1,605	\$3,110
Tenure					
Owner-Occupied	32.7%	0.54	\$1.8	\$1,808	\$3,353
Renter-Occupied	42.9%	0.46	\$1.3	\$1,334	\$2,825
Income as a Percent of Federal Poverty Level					
Less than 200%	42.3%	0.36	\$1.2	\$1,726	\$3,364
200% or More	34.2%	0.65	\$1.9	\$1,485	\$2,971
Race/Ethnicity of Householder					
Person of Color	36.5%	0.62	\$2.0	\$1,605	\$3,224
Non-Hispanic White	37.0%	0.39	\$1.1	\$1,605	\$2,928
Household Type					
Households with Children	37.4%	0.35	\$1.1	\$1,570	\$3,015
Households without Children	36.3%	0.66	\$2.1	\$1,605	\$3,161
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	34.1%	0.65	\$2.2	\$1,683	\$3,297
Multifamily	43.5%	0.31	\$0.8	\$1,334	\$2,650
Year Built					
Before 1980	47.4%	0.38	\$1.4	\$1,737	\$3,568
1980 or Later	32.3%	0.63	\$1.8	\$1,474	\$2,832

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

# Los Angeles-Long Beach-Anaheim, CA

	Percent	Number	Re	pair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	38.6%	1.8	\$7.6	\$2,203	\$4,306
Tenure					
Owner-Occupied	37.5%	8.0	\$3.6	\$2,173	\$4,522
Renter-Occupied	39.6%	1.0	\$4.1	\$2,216	\$4,132
Income as a Percent of Federal Poverty Level					
Less than 200%	39.4%	0.5	\$2.7	\$2,753	\$4,931
200% or More	38.3%	1.2	\$5.0	\$2,156	\$4,033
Race/Ethnicity of Householder					
Person of Color	39.8%	1.2	\$5.2	\$2,315	\$4,443
Non-Hispanic White	36.5%	0.6	\$2.4	\$2,173	\$4,037
Household Type					
Households with Children	37.0%	0.5	\$2.0	\$2,318	\$4,438
Households without Children	39.2%	1.3	\$5.6	\$2,173	\$4,261
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	39.0%	1.0	\$5.0	\$2,493	\$4,997
Multifamily	37.7%	0.7	\$2.4	\$2,115	\$3,363
Year Built					
Before 1980	41.0%	1.3	\$5.9	\$2,442	\$4,616
1980 or Later	33.5%	0.5	\$1.7	\$1,977	\$3,488

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

Miami-Fort Lauderdale-West Palm Beach, FL

		Number	Repair Costs			
		with				
		Repair				
	Percent with	Needs	Aggregate			
	Repair Needs	(Millions)	(Billions)	Median	Average	
All	21.6%	0.50	\$1.48	\$1,624	\$2,934	
Tenure						
Owner-Occupied	20.9%	0.29	\$0.84	\$1,624	\$2,867	
Renter-Occupied	22.5%	0.21	\$0.63	\$1,607	\$3,027	
Income as a Percent of Federal Poverty Level						
Less than 200%	24.4%	0.22	\$0.72	\$1,836	\$3,211	
200% or More	19.7%	0.28	\$0.76	\$1,491	\$2,711	
Race/Ethnicity of Householder						
Person of Color	21.0%	0.33	\$0.95	\$1,624	\$2,931	
Non-Hispanic White	22.7%	0.18	\$0.52	\$1,732	\$2,939	
Household Type						
Households with Children	23.8%	0.15	\$0.45	\$1,705	\$3,015	
Households without Children	20.7%	0.35	\$1.03	\$1,624	\$2,899	
Building Type						
Mobile/Manufactured Home	-	-	-	-	-	
Single-Family Home	23.1%	0.32	\$1.04	\$1,785	\$3,300	
Multifamily	19.2%	0.18	\$0.42	\$1,491	\$2,368	
Year Built						
Before 1980	24.7%	0.26	\$0.81	\$1,637	\$3,140	
1980 or Later	19.0%	0.25	\$0.67	\$1,602	\$2,717	

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

### Milwaukee-Waukesha-West Allis, WI

	Percent	Number	Re	pair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	33.4%	0.22	\$0.93	\$1,915	\$4,167
Tenure					
Owner-Occupied	32.0%	0.13	\$0.58	\$1,950	\$4,323
Renter-Occupied	35.7%	0.09	\$0.35	\$1,879	\$3,935
Income as a Percent of Federal Poverty Level					
Less than 200%	38.0%	0.08	\$0.38	\$2,654	\$4,777
200% or More	31.2%	0.14	\$0.55	\$1,726	\$3,826
Race/Ethnicity of Householder					
Person of Color	41.1%	0.08	\$0.42	\$2,270	\$4,891
Non-Hispanic White	29.9%	0.14	\$0.51	\$1,642	\$3,721
Household Type					
Households with Children	40.5%	0.07	\$0.33	\$2,255	\$4,626
Households without Children	30.8%	0.15	\$0.60	\$1,803	\$3,949
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	33.2%	0.14	\$0.68	\$2,025	\$4,746
Multifamily	33.7%	0.08	\$0.24	\$1,730	\$3,103
Year Built					
Before 1980	38.1%	0.18	\$0.74	\$1,964	\$4,195
1980 or Later	22.7%	0.05	\$0.19	\$1,795	\$4,062

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

### New Orleans-Metairie, LA

	Percent	Number	Re	epair Costs	
	with	with Repair		•	
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	34.7%	0.18	\$0.71	\$1,697	\$3,914
Tenure					
Owner-Occupied	36.8%	0.13	\$0.53	\$1,769	\$4,222
Renter-Occupied	30.6%	0.05	\$0.18	\$1,543	\$3,211
Income as a Percent of Federal Poverty Level					
Less than 200%	37.2%	0.07	\$0.32	\$1,944	\$4,827
200% or More	33.4%	0.11	\$0.38	\$1,681	\$3,379
Race/Ethnicity of Householder					
Person of Color	34.2%	0.09	\$0.38	\$1,757	\$4,473
Non-Hispanic White	35.2%	0.09	\$0.32	\$1,681	\$3,406
Household Type					
Households with Children	43.3%	0.05	\$0.21	\$1,797	\$4,126
Households without Children	32.2%	0.13	\$0.49	\$1,681	\$3,831
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	35.4%	0.14	\$0.57	\$1,685	\$4,100
Multifamily	29.3%	0.03	\$0.07	\$1,427	\$2,237
Year Built					
Before 1980	35.7%	0.09	\$0.38	\$1,697	\$4,002
1980 or Later	33.7%	0.09	\$0.33	\$1,702	\$3,818

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

## **New York-Newark-Jersey City, NY-NJ-PA**

		Number	Re	pair Costs	
	Percent	with Repair			
	with Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	39.8%	3.16	\$13.5	\$2,272	\$4,285
Tenure					
Owner-Occupied	30.5%	1.25	\$6.2	\$2,474	\$4,973
Renter-Occupied	49.7%	1.91	\$7.3	\$2,272	\$3,835
Income as a Percent of Federal Poverty Level					
Less than 200%	46.6%	1.07	\$5.0	\$2,380	\$4,642
200% or More	37.0%	2.09	\$8.6	\$2,272	\$4,102
Race/Ethnicity of Householder					
Person of Color	46.3%	1.94	\$8.8	\$2,421	\$4,560
Non-Hispanic White	32.6%	1.22	\$4.7	\$2,033	\$3,849
Household Type					
Households with Children	42.9%	0.91	\$4.5	\$2,272	\$4,891
Households without Children	38.7%	2.25	\$9.1	\$2,272	\$4,039
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	32.6%	1.23	\$6.4	\$2,427	\$5,244
Multifamily	46.4%	1.93	\$7.1	\$2,272	\$3,676
Year Built					
Before 1980	41.7%	2.43	\$10.1	\$2,272	\$4,139
1980 or Later	34.5%	0.73	\$3.5	\$2,272	\$4,772

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

### Philadelphia-Camden-Wilmington, PA-NJ-DE-MD

Timadotpina Gamaon Withininge	· · · · · · · · · · · · · · · · · · ·				
		Number with	Re	pair Costs	
	Percent	Repair			
	with Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	38.5%	0.96	\$4.6	\$2,282	\$4,743
Tenure					
Owner-Occupied	37.3%	0.64	\$3.3	\$2,483	\$5,083
Renter-Occupied	41.3%	0.32	\$1.3	\$2,114	\$4,062
Income as a Percent of Federal Poverty Level					
Less than 200%	40.7%	0.25	\$1.5	\$2,771	\$5,999
200% or More	37.8%	0.71	\$3.1	\$2,172	\$4,295
Race/Ethnicity of Householder					
Person of Color	45.3%	0.42	\$2.3	\$2,477	\$5,342
Non-Hispanic White	34.5%	0.54	\$2.3	\$2,244	\$4,278
Household Type					
Households with Children	43.7%	0.29	\$1.6	\$2,327	\$5,431
Households without Children	36.7%	0.68	\$3.0	\$2,249	\$4,451
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	38.3%	0.72	\$3.8	\$2,512	\$5,308
Multifamily	37.9%	0.23	\$0.6	\$1,805	\$2,816
Year Built					
Before 1980	43.5%	0.72	\$3.5	\$2,512	\$4,867
1980 or Later	28.7%	0.24	\$1.1	\$2,119	\$4,375

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

## Phoenix-Mesa-Scottsdale, AZ

	Percent	Number	Re	pair Costs	
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	32.4%	0.63	\$1.8	\$1,543	\$2,920
Tenure					
Owner-Occupied	28.3%	0.37	\$1.1	\$1,592	\$3,105
Renter-Occupied	40.5%	0.26	\$0.7	\$1,397	\$2,661
Income as a Percent of Federal Poverty Level					
Less than 200%	35.4%	0.18	\$0.6	\$1,543	\$3,154
200% or More	31.3%	0.45	\$1.3	\$1,510	\$2,829
Race/Ethnicity of Householder					
Person of Color	36.4%	0.26	\$0.8	\$1,543	\$2,931
Non-Hispanic White	30.0%	0.37	\$1.1	\$1,543	\$2,912
Household Type					
Households with Children	39.4%	0.21	\$0.7	\$1,759	\$3,355
Households without Children	29.6%	0.41	\$1.1	\$1,401	\$2,694
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	29.0%	0.41	\$1.3	\$1,681	\$3,142
Multifamily	40.4%	0.18	\$0.4	\$1,381	\$2,243
Year Built					
Before 1980	39.0%	0.22	\$0.7	\$1,696	\$3,410
1980 or Later	29.7%	0.41	\$1.1	\$1,447	\$2,660

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

# Riverside-San Bernardino-Ontario, CA

	Percent	Number	Repair Costs			
	with	with Repair				
	Repair	Needs	Aggregate			
	Needs	(Millions)	(Billions)	Median	Average	
All	35.9%	0.54	\$2.3	\$2,337	\$4,285	
Tenure						
Owner-Occupied	35.5%	0.37	\$1.6	\$2,286	\$4,210	
Renter-Occupied	36.8%	0.17	\$0.8	\$2,653	\$4,446	
Income as a Percent of Federal Poverty Level						
Less than 200%	38.9%	0.19	\$0.8	\$2,412	\$4,439	
200% or More	34.6%	0.36	\$1.5	\$2,286	\$4,205	
Race/Ethnicity of Householder						
Person of Color	36.6%	0.35	\$1.5	\$2,255	\$4,386	
Non-Hispanic White	34.7%	0.20	\$0.8	\$2,387	\$4,108	
Household Type						
Households with Children	41.7%	0.22	\$1.0	\$2,090	\$4,286	
Households without Children	32.8%	0.32	\$1.4	\$2,386	\$4,284	
Building Type						
Mobile/Manufactured Home	-	-	-	-	-	
Single-Family Home	35.5%	0.42	\$1.8	\$2,286	\$4,180	
Multifamily	34.2%	0.08	-	-	-	
Year Built						
Before 1980	39.7%	0.21	\$1.1	\$2,829	\$5,054	
1980 or Later	33.9%	0.33	\$1.3	\$2,074	\$3,796	

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

### San Francisco-Oakland-Hayward, CA

	Percent	Number	Repair Costs		
	with	with Repair			
	Repair	Needs	Aggregate		
	Needs	(Millions)	(Billions)	Median	Average
All	40.6%	0.73	\$3.4	\$2,436	\$4,637
Tenure					
Owner-Occupied	38.1%	0.38	\$1.8	\$2,258	\$4,813
Renter-Occupied	43.8%	0.35	\$1.6	\$2,462	\$4,447
Income as a Percent of Federal Poverty Level					
Less than 200%	40.2%	0.16	\$0.8	\$3,665	\$5,307
200% or More	40.7%	0.57	\$2.5	\$2,237	\$4,451
Race/Ethnicity of Householder					
Person of Color	37.0%	0.36	\$1.7	\$2,460	\$4,723
Non-Hispanic White	44.9%	0.36	\$1.7	\$2,396	\$4,551
Household Type					
Households with Children	42.2%	0.21	\$0.9	\$2,240	\$4,237
Households without Children	40.0%	0.51	\$2.5	\$2,459	\$4,803
Building Type					
Mobile/Manufactured Home	-	-	-	-	-
Single-Family Home	39.1%	0.42	\$2.2	\$2,601	\$5,217
Multifamily	42.8%	0.31	\$1.2	\$2,237	\$3,862
Year Built					
Before 1980	45.2%	0.54	\$2.6	\$2,502	\$4,754
1980 or Later	31.3%	0.18	\$0.8	\$2,237	\$4,292

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

## Seattle-Tacoma-Bellevue, WA

	Percent	Number	Repair Costs			
	with	with Repair				
	Repair	Needs	Aggregate			
	Needs	(Millions)	(Billions)	Median	Average	
All	35.2%	0.58	\$2.2	\$1,866	\$3,796	
Tenure						
Owner-Occupied	33.2%	0.32	\$1.3	\$1,983	\$4,113	
Renter-Occupied	38.2%	0.25	\$0.9	\$1,821	\$3,392	
Income as a Percent of Federal Poverty Level						
Less than 200%	36.7%	0.11	\$0.5	\$1,821	\$4,134	
200% or More	34.9%	0.47	\$1.7	\$1,913	\$3,715	
Race/Ethnicity of Householder						
Person of Color	36.7%	0.22	\$0.8	\$1,821	\$3,750	
Non-Hispanic White	34.4%	0.36	\$1.4	\$1,930	\$3,824	
Household Type						
Households with Children	38.8%	0.18	\$0.7	\$1,821	\$4,052	
Households without Children	33.9%	0.40	\$1.5	\$1,920	\$3,683	
Building Type						
Mobile/Manufactured Home	-	-	-	-	-	
Single-Family Home	34.6%	0.36	\$1.5	\$2,058	\$4,200	
Multifamily	36.5%	0.20	\$0.6	\$1,677	\$2,905	
Year Built						
Before 1980	44.3%	0.31	\$1.4	\$2,191	\$4,546	
1980 or Later	28.4%	0.26	\$0.8	\$1,666	\$2,907	

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

## Washington-Arlington-Alexandria, DC-VA-MD-WV

		Number with	Repair Costs			
	Percent with Repair Needs	Repair Needs (Millions)	Aggregate (Billions)	Median	Average	
All	41.7%	1.02	\$3.4	\$1,647	\$3,328	
Tenure						
Owner-Occupied	39.7%	0.64	\$2.2	\$1,695	\$3,519	
Renter-Occupied	45.4%	0.38	\$1.1	\$1,647	\$3,007	
Income as a Percent of Federal Poverty Level						
Less than 200%	45.6%	0.18	\$0.5	\$1,647	\$2,940	
200% or More	40.9%	0.83	\$2.8	\$1,647	\$3,414	
Race/Ethnicity of Householder						
Person of Color	41.2%	0.54	\$1.8	\$1,647	\$3,296	
Non-Hispanic White	42.2%	0.48	\$1.6	\$1,647	\$3,364	
Household Type						
Households with Children	47.0%	0.36	\$1.3	\$1,662	\$3,536	
Households without Children	39.2%	0.65	\$2.1	\$1,647	\$3,212	
Building Type						
Mobile/Manufactured Home	-	-	-	-	-	
Single-Family Home	41.5%	0.69	\$2.6	\$1,767	\$3,719	
Multifamily	42.2%	0.32	\$0.8	\$1,492	\$2,510	
Year Built						
Before 1980	47.3%	0.53	\$1.9	\$1,788	\$3,607	
1980 or Later	36.8%	0.48	\$1.5	\$1,500	\$3,021	

Source: Author's analysis of 2023 AHS PUF and 2024 RSMeans data from Gordian. Cost estimates adjusted for regional variation using zip code-level location factors from Gordian (2024).

