

Characterizing Medicare Reimbursements and Clinical Activity among Female Otolaryngologists

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Purpose

Assess unique demographic trends and practice patterns across female ORLs in 2017 using data on billing and reimbursements for Medicare fee-for-service (FFS) patients

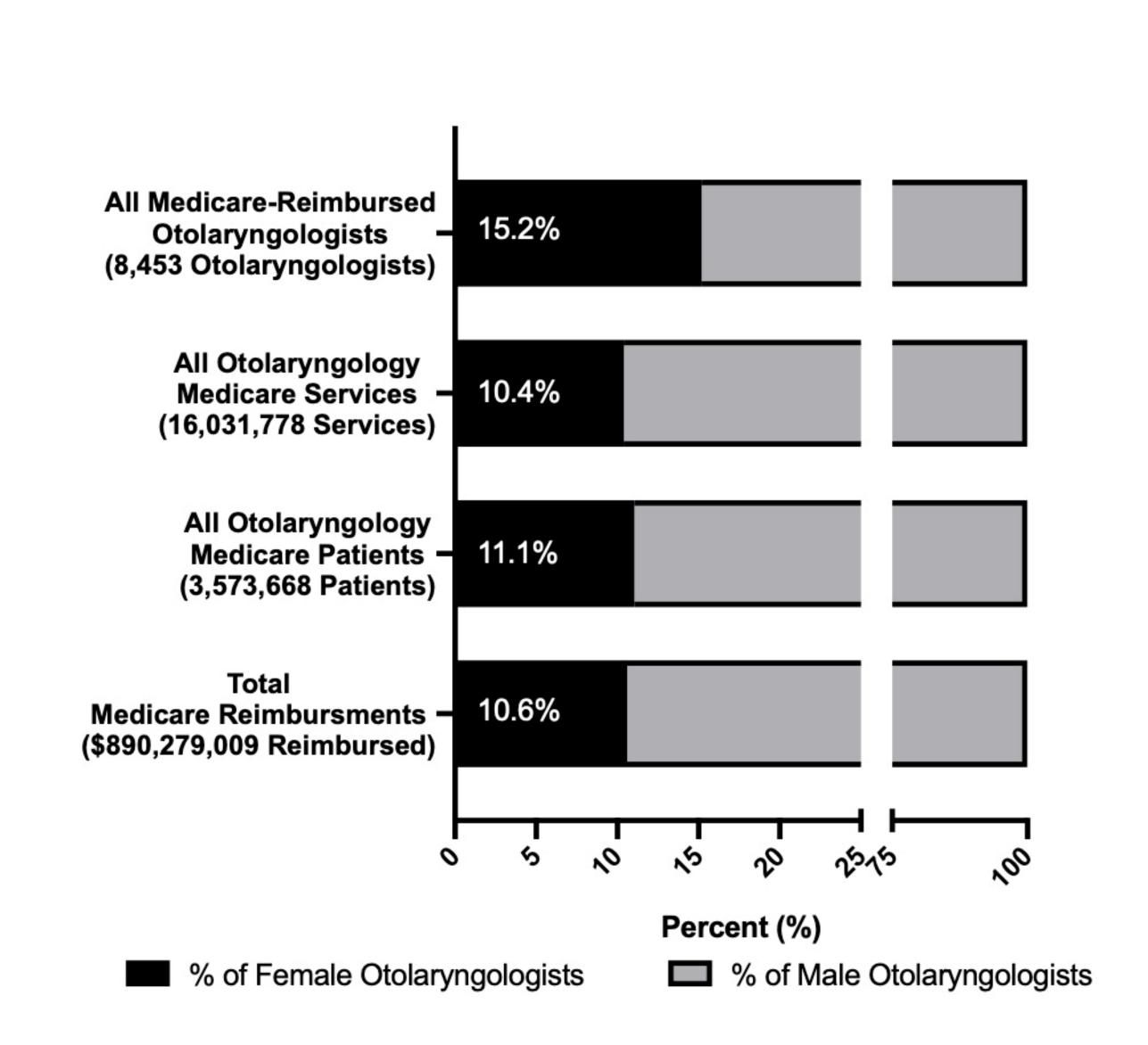
Background

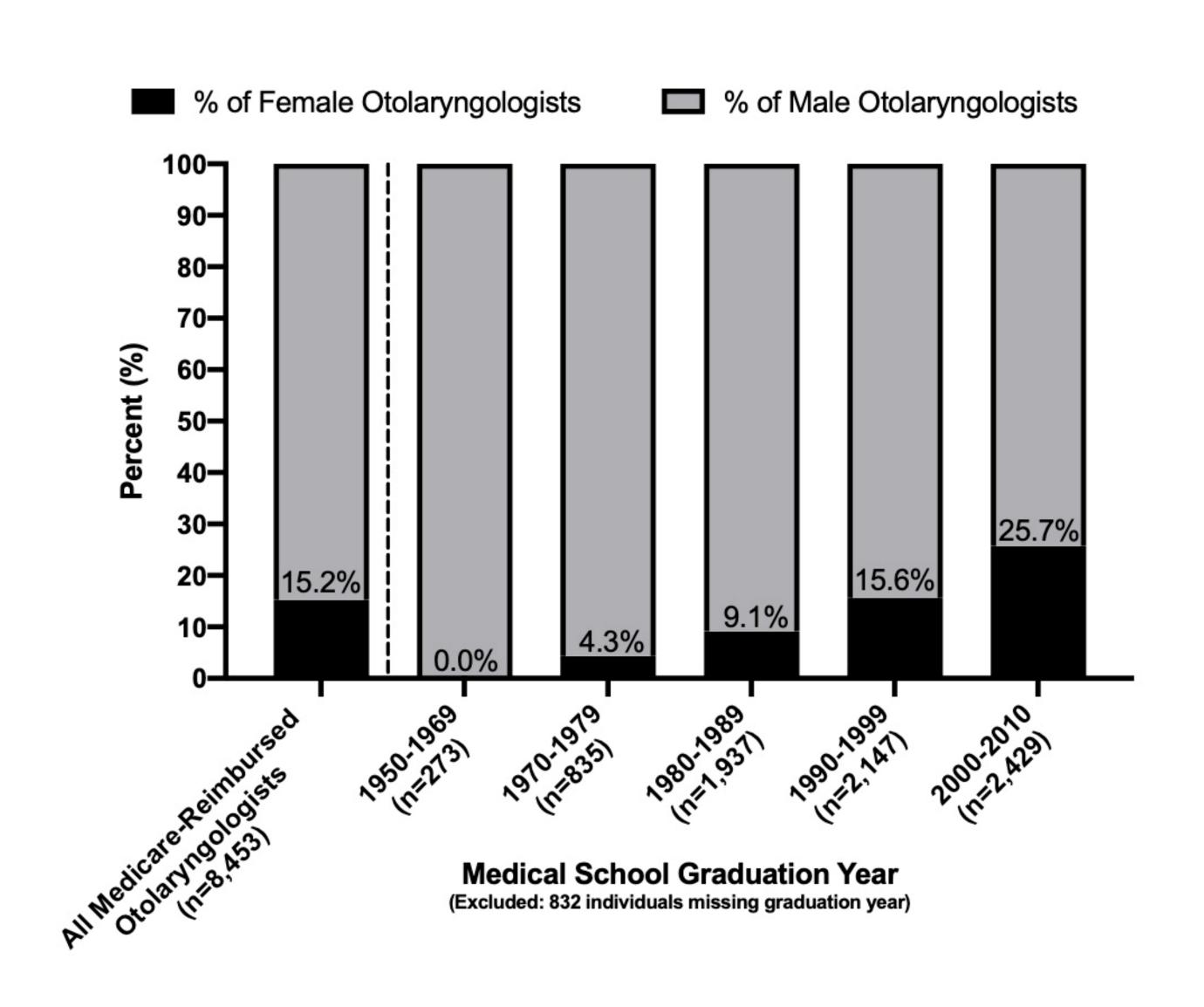
- ➤ Female representation within ORL is rising. In 2017, females comprised 36.2% of ORL residents and fellows¹
- Female ORLs may earn 15-20% less than male counterparts²
- ➤ Recent study by Miller et al. suggested female ORLs may bill for fewer services and received decreased Medicare payments compared to male counterparts³
- Dearth of literature describing practice patterns unique to female ORLs

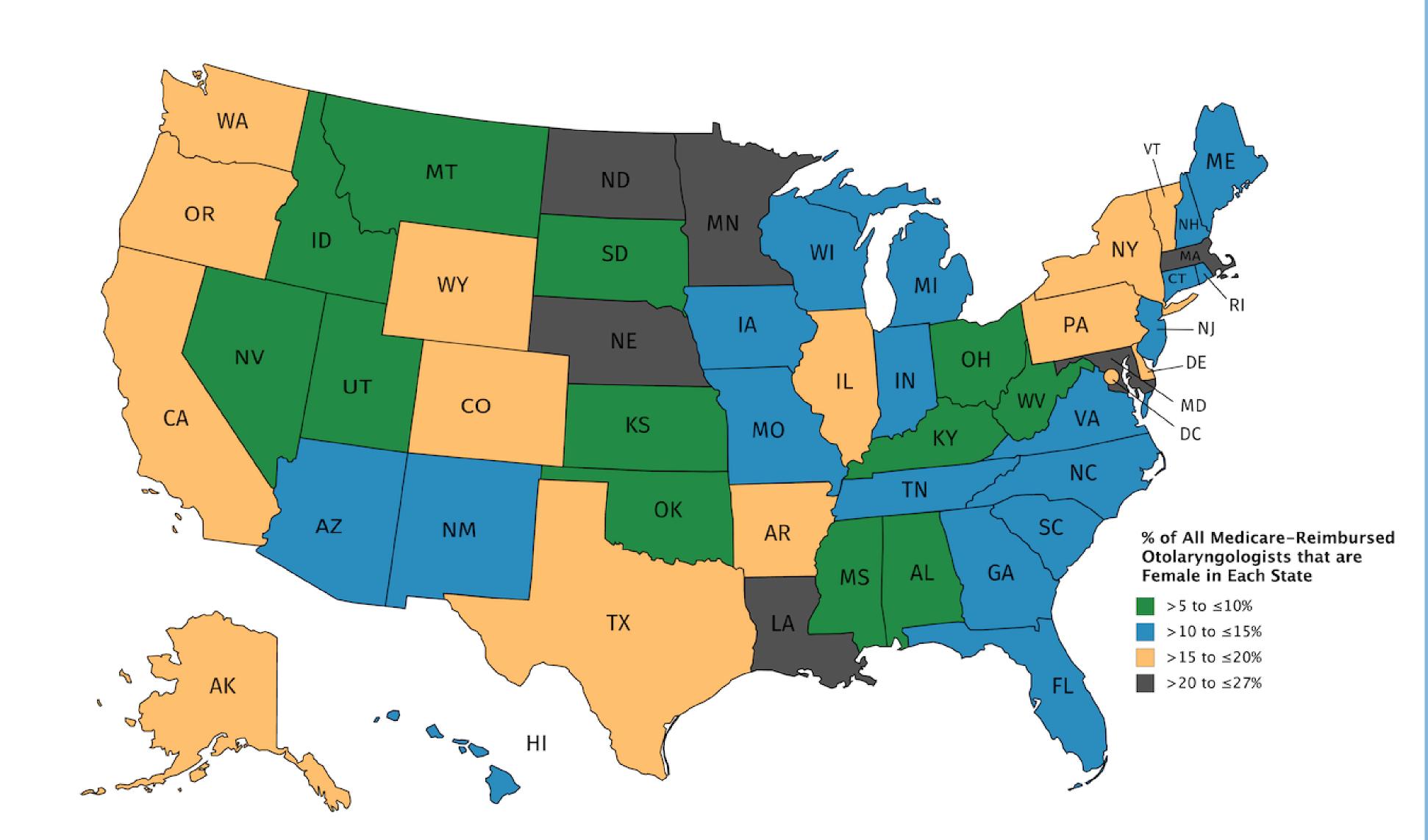
Methods

- ➤ Cross-sectional analysis using publicly-reported data from 2017 Medicare Physician and Other Supplier Aggregate File, containing providers who performed >10 services on >10 Medicare FFS patients
- Chi-squared test used to analyze categorical variables
- ➤ Kruskal-Wallis test employed for non-normally distributed continuous variables. Riskadjusted differences assessed using multivariable regression models

Results







		Total Medicare Payments (\$) ^A		Total Services		Total Patients	
		Adjusted Median Difference (95% CI)	p value	Adjusted Median Difference (95% CI)	p value	Adjusted Median Difference (95% CI)	p value
Setting	Urban	Ref	Ref	Ref	Ref	Ref	Ref
	Rural	-6,719 (-19,534 to 6,096)	0.304	268 (61.6 to 474.4)	0.011	6.0 (-45.6 to 57.6)	0.819
Region	Northeast	11,311 (1,595 to 21,028)	0.023	207.9 (51.4 to 364.4)	0.009	60.0 (20.9 to 99.1)	0.003
	South	9,983 (1,239 to 18,727)	0.025	234.2 (93.3 to 375.0)	0.001	47.0 (11.8 to 82.2)	0.009
	Midwest	-5,268 (-15,178 to 4,642)	0.297	-5.0 (-164.6 to 154.6)	0.951	3.1 (-36.8 to 43.0)	0.879
	West	Ref	Ref	Ref	Ref	Ref	Ref
	1970-1979	-13,054 (-32,701 to 6,592)	0.193	218.8 (-97.6 to 535.2)	0.175	-14.1 (-93.2 to 64.9)	0.726
		6,106 (-3,655 to 15,866)		423.0 (265.8 to 580.2)	<0.001	113.0 (73.7 to 152.3)	<0.001
	1990-1999	9 141	0.021	289.8 (164.3 to 415.2)	<0.001	67.0 (35.6 to 98.3)	<0.001
	2000-2010	Ref	Ref	Ref	Ref	Ref	Ref
	Unknown	-27,858 (-39,707 to - 16,009)	<0.001	-225.0 (-415.9 to -34.2)	0.021	-77.2 (-124.9 to -29.5)	0.002

Conclusions

- ➤ In 2017, 15.2% of practicing ORLs were female with the proportion of females-to-total-ORLs varying from 5.0% in Idaho to 26.2% in Nebraska
- Female ORLs further along in their careers were reimbursed more and saw a higher number of patients in addition to performing more total services and services per patient compared to those earlier in their careers
- Significantly fewer female ORLs practiced in rural settings compared to males
- Female ORLs practicing in urban settings may perform fewer services per patient and utilize fewer unique CPT codes compared to counterparts in rural areas
- ➤ Need for further research characterizing unique practice trends among female ORLs

References

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