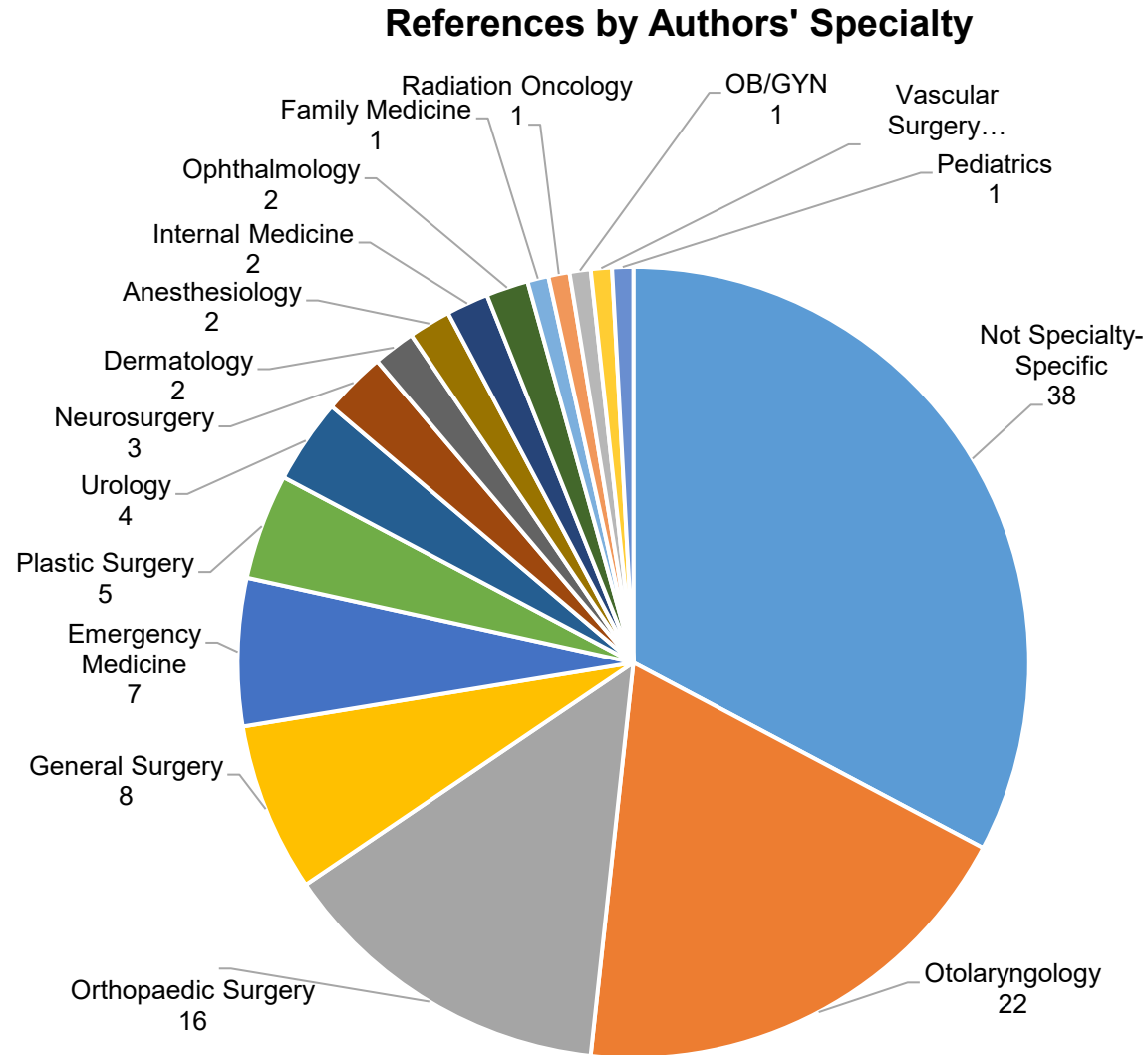


Search strategies for each database.	
Database	Search Query
EMBASE	<ol style="list-style-type: none"> 1. exp residency education/ 2. (graduate medical education or resident* or residenc* or house staff).mp. 3. 1 or 2 4. exp program evaluation/ 5. (evaluation* or reform* or improve* or change* or evolution* or revolution* or revise* or transform* or fix or fixes or modif* or enhance* or revamp* or proposal*).mp. 6. 4 or 5 7. exp personnel management/ 8. (personnel selection or match* or application* or recruitment* or NRMP or National Resident Matching Program).mp. 9. 7 or 8 10. united states.cp. 11. 3 and 6 and 9 and 10 12. ("2005" or "2006" or "2007" or "2008" or "2009" or "2010" or "2011" or "2012" or "2013" or "2014" or "2015" or "2016" or "2017" or "2018" or "2019" or "2020").yr. 13. 11 and 12
MEDLINE	<ol style="list-style-type: none"> 1. exp Education, Medical, Graduate/ 2. (graduate medical education or resident* or residenc* or house staff).mp. 3. 1 or 2 4. exp Program Evaluation/ 5. (evaluation* or reform* or improve* or change* or evolution* or revolution* or revise* or transform* or fix or fixes or modif* or enhance* or revamp* or proposal*).mp. 6. 4 or 5 7. exp Personnel Selection/ 8. (personnel selection or match* or application* or recruitment* or NRMP or National Resident Matching Program).mp. 9. 7 or 8 10. united states.cp. 11. ("2005" or "2006" or "2007" or "2008" or "2009" or "2010" or "2011" or "2012" or "2013" or "2014" or "2015" or "2016" or "2017" or "2018" or "2019" or "2020").yr. 12. 3 and 6 and 9 and 10 and 11
Scopus	<p>(TITLE-ABS-KEY ("graduate medical education" OR resident* OR residenc* OR "house staff")) AND (TITLE-ABS-KEY (evaluation* OR reform* OR improve* OR change* OR evolution* OR revolution* OR revise* OR transform* OR fix OR fixes OR modif* OR enhance* OR revamp* OR proposal*)) AND (TITLE-ABS-KEY ("personnel selection" OR match* OR application* OR recruitment* OR nrmp OR "national resident matching program")) AND (LIMIT-TO (AFFILCOUNTRY , "United States")) AND (LIMIT-TO (PUBYEAR , 2020) OR LIMIT-TO (PUBYEAR , 2019) OR LIMIT-TO (PUBYEAR , 2018) OR LIMIT-TO (PUBYEAR , 2017) OR LIMIT-TO (PUBYEAR , 2016) OR LIMIT-TO (PUBYEAR , 2015) OR LIMIT-TO (PUBYEAR , 2014) OR LIMIT-TO (PUBYEAR , 2013) OR LIMIT-TO (PUBYEAR , 2012) OR LIMIT-TO (PUBYEAR , 2011) OR LIMIT-TO (PUBYEAR , 2010) OR LIMIT-TO (PUBYEAR , 2009) OR LIMIT-TO (PUBYEAR , 2008) OR LIMIT-TO (PUBYEAR , 2007) OR LIMIT-TO (PUBYEAR , 2006) OR LIMIT-TO (PUBYEAR , 2005))</p>

Zastrow RK, Burk-Rafel J, London DA. Systems-level reforms to the US resident selection process: a scoping review. *J Grad Med Educ.* 2021;13(3):355–370.
<http://dx.doi.org/10.4300/JGME-D-20-01381.1>

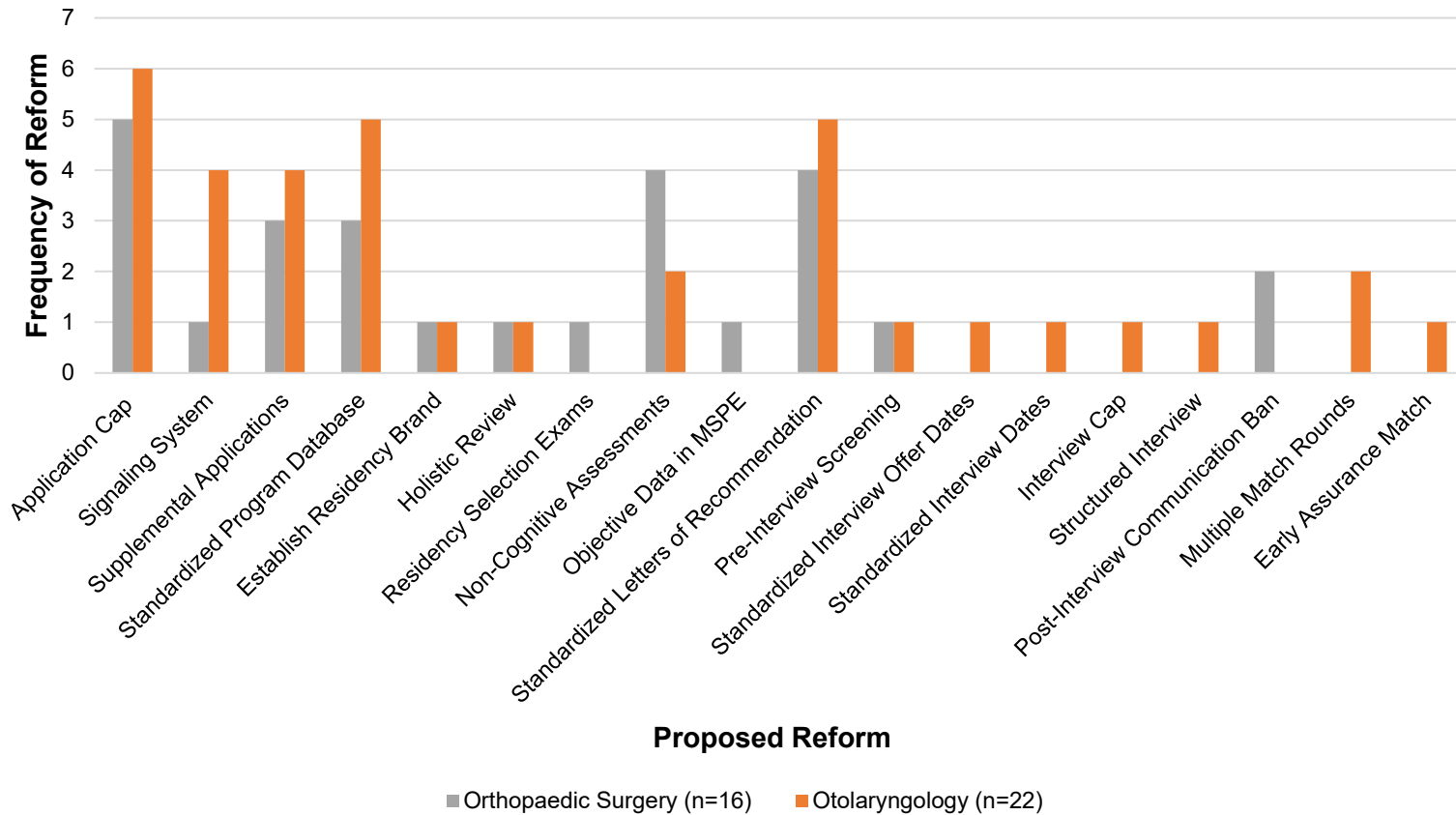
Web of Science

(ALL=("graduate medical education" OR resident* OR residenc* OR "house staff")) AND (ALL=(evaluation* OR reform* OR improve* OR change* OR evolution* OR revolution* OR revise* OR transform* OR fix OR fixes OR modif* OR enhance* OR revamp* OR proposal*)) AND (ALL=("personnel selection" OR match* OR application* OR recruitment* OR nrmp OR "national resident matching program")) AND (PY=(2005 OR 2006 OR 2007 OR 2008 OR 2009 OR 2010 OR 2011 OR 2012 OR 2013 OR 2014 OR 2015 OR 2016 OR 2017 OR 2018 OR 2019 OR 2020)) AND (CU=(USA))

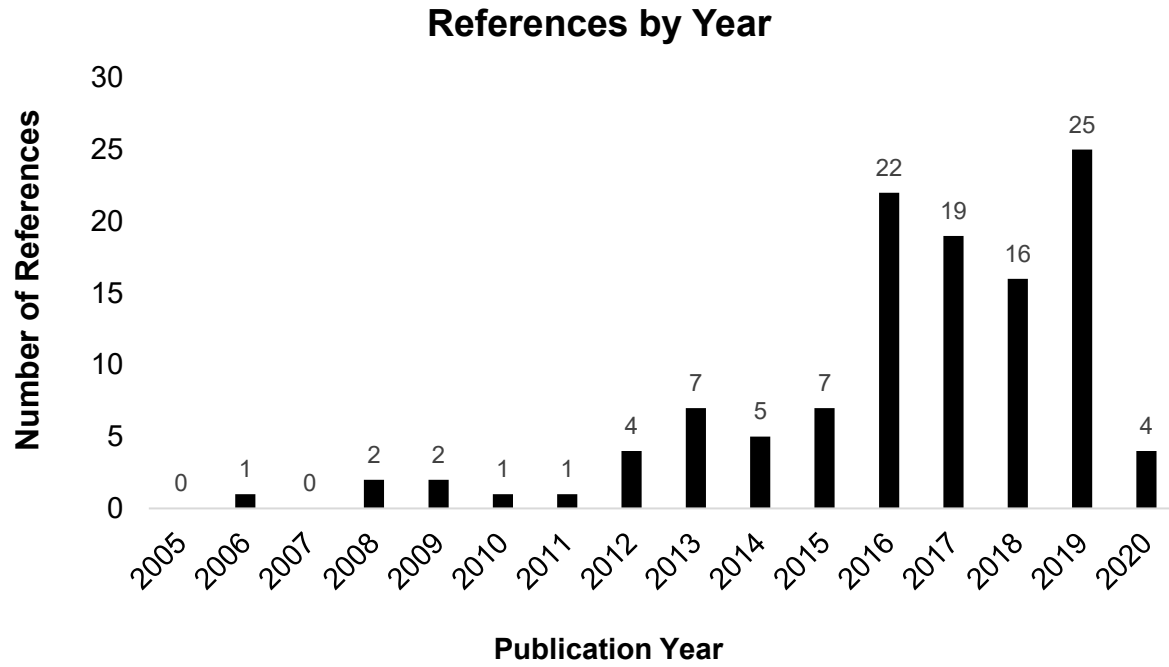


Number of references proposing systems-level reforms to the United States resident selection process, by authors' specialty. "Not specialty specific" refers to articles with authors representing multiple specialties or articles suggesting general reforms to the resident selection process.

Distribution of Reforms Proposed by Otolaryngology and Orthopaedic Surgery



Distribution of reforms proposed by authors from otolaryngology and orthopaedic surgery, the two specialties most frequently proposing systems-level reforms to the United States resident selection process.



Number of references proposing reforms to the United States resident selection process by year of publication.

Zastrow RK, Burk-Rafel J, London DA. Systems-level reforms to the US resident selection process: a scoping review. *J Grad Med Educ.* 2021;13(3):355–370.
<http://dx.doi.org/10.4300/JGME-D-20-01381.1>