

Supplemental digital content for Schwartz A, Pappas C, Bashook PG, Bordage G, Edison M, Prasad B, Swiatkowski V. Conceptual Frameworks in the Study of Duty-Hour Changes in Graduate Medical Education: A Review. Acad Med. 2011;86(1).

## Supplemental Digital Appendix 1

### Data Sources, Literature Review Strategy, and Results for Searching the Published Literature (Searches Conducted in July 2009 and April 2010, Combined)

Data source	Search strategy	Retrieved	Included
BEME	"Find on page" search for the term "80"	0	0
CINAHL	keyword search of resident AND 80 hours	1	1
COCHRANE database of systematic reviews	"ACGME" in title, abstract, or keywords ("resident" in abstract or "registrar" in abstract) and "duty" in abstract and "hour" in abstract and "restriction" in abstract	17	0
Conference Papers Index	residents AND 80 AND hours	9	1
Dissertations and Theses	(residents) AND (80) AND (hours) (residents) AND (work hours)	39	2
EMBASE	resident AND 80 hours limited to human and 2008-2010	6	6
EMBASE	(workload OR "work schedule" OR "work schedule tolerance" OR fatigue OR "mental fatigue" OR "work hours" OR "personnel staffing" OR scheduling) AND (sleep OR "sleep deprivation" OR "sleep disorder" OR "circadian rhythm" OR chronobiology) AND (residency OR "education, medical, graduate" OR "internship and residency" OR "night float"), limited to 2005-2010	170	167
ERIC	exp Graduate Medical Education/ limited to yr "2007 - 2010"	58	0
Proceedings First	Residents AND 80 hours	2	0

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<b>Data source</b>	<b>Search strategy</b>	<b>Retrieved</b>	<b>Included</b>
PsycInfo	residents and 80 and hours limited to 2008-2010	43	18
PubMed	(80 hour AND residents)	297	119
PubMed	Related articles search related to Fletcher et al., and related articles on relevant related articles	94	94
PubMed	(workload OR "work schedule" OR "work schedule tolerance" OR fatigue OR "mental fatigue" OR "work hours" OR "personnel staffing" OR scheduling) AND (sleep OR "sleep deprivation" OR "sleep disorder" OR "circadian rhythm" OR chronobiology) AND (residency OR "education, medical, graduate" OR "internship and residency" OR "night float"), limited to 2008-2010	34	34
Web of Science (Current Contents)	"80 hours"AND medical AND education + related articles search on relevant articles, limited to 2008-2010	27	24
Overall	All above combined, duplicate articles removed, limited to 2008-2010		239

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## Supplemental Digital Appendix 2

### Literature Published in 2008-2010 That Was Reviewed

1. Restrictions on resident work-hours: Responses from organizations representing surgery. (2009). *Surgery*, 146(3), 397-397.
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