

Appendix 1. Ophthalmology survey questionnaire to residents developed by Colorado Clinical & Translational Sciences Institute (CCTSI) with the Development and Informatics Service Center (DISC)



University of Colorado

Colorado Clinical & Translational Sciences Institute (CCTSI) with the Development and Informatics Service Center (DISC)

Ophthalmology Survey to Residents (IM, FM, EM)

Data Dictionary Codebook

07/15/2019 5:53am

#	Variable / Field Name	Field Label <i>Field Note</i>	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)										
Instrument: Ophthalmology Needs Assessment Survey (my_first_instrument)													
1	sid	Record ID	text										
2	residency_program	What residency program are you currently enrolled?	radio <table><tr><td>1</td><td>Family Medicine</td></tr><tr><td>2</td><td>Internal Medicine</td></tr><tr><td>3</td><td>Emergency Medicine</td></tr></table>	1	Family Medicine	2	Internal Medicine	3	Emergency Medicine				
1	Family Medicine												
2	Internal Medicine												
3	Emergency Medicine												
3	residency_year	What year are you currently in your residency training?	radio <table><tr><td>1</td><td>PGY 1</td></tr><tr><td>2</td><td>PGY 2</td></tr><tr><td>3</td><td>PGY 3</td></tr><tr><td>4</td><td>PGY 4</td></tr></table>	1	PGY 1	2	PGY 2	3	PGY 3	4	PGY 4		
1	PGY 1												
2	PGY 2												
3	PGY 3												
4	PGY 4												
4	medschool_where	Where did you complete your medical school?	radio <table><tr><td>1</td><td>United States</td></tr><tr><td>2</td><td>Internationally</td></tr></table>	1	United States	2	Internationally						
1	United States												
2	Internationally												
5	medschool_hours	How many hours did you have dedicated to Ophthalmology in medical school (through lectures, electives, clerkships)?	radio <table><tr><td>1</td><td>0-10 Hours</td></tr><tr><td>2</td><td>11-20 Hours</td></tr><tr><td>3</td><td>21-30 Hours</td></tr><tr><td>4</td><td>31-40 Hours</td></tr><tr><td>5</td><td>>40 Hours</td></tr></table>	1	0-10 Hours	2	11-20 Hours	3	21-30 Hours	4	31-40 Hours	5	>40 Hours
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4	31-40 Hours												
5	>40 Hours												
6	residency_hours	How many hours have you received during your residency training dedicated to Ophthalmology?	radio <table><tr><td>1</td><td>0-10 Hours</td></tr><tr><td>2</td><td>11-20 Hours</td></tr><tr><td>3</td><td>21-30 Hours</td></tr><tr><td>4</td><td>31-40 Hours</td></tr><tr><td>5</td><td>>40 Hours</td></tr></table>	1	0-10 Hours	2	11-20 Hours	3	21-30 Hours	4	31-40 Hours	5	>40 Hours
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7	op_training	Have you ever received any Ophthalmology training outside your current curriculum?	radio <table border="1"> <tr><td>1</td><td>Yes</td></tr> <tr><td>2</td><td>No</td></tr> </table>	1	Yes	2	No						
1	Yes												
2	No												
8	patients_op	What percentage of your patients present with Ophthalmology associated complaints (red eyes, eye pain, blurry vision, etc.)?	radio <table border="1"> <tr><td>1</td><td>< 1%</td></tr> <tr><td>2</td><td>1-5%</td></tr> <tr><td>3</td><td>>5%</td></tr> </table>	1	< 1%	2	1-5%	3	>5%				
1	< 1%												
2	1-5%												
3	>5%												
9	care_va	<p>Section Header: <i>Please rate your comfort level for managing or coordinating care for the following using the scale: 1 = Not condent 2 = Mildly condent 3 = Moderately condent 4 = condent 5 = = Very condent</i></p> <p>PERFORMING AN OPHTHALMIC EVALUATION</p> <p><i>Visual Acuity</i></p>	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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10	care_pupils	Pupils	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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11	Extraocular movements	Extraocular movements	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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12	care_cvf	Confrontational visual	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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13	care_iop	Tonometry (measure intraocular pressure)	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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14	care_sle	Split lamp examination	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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15	care_do	Direct Ophthalmoscope	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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16	care_fdt	Fluoroscein dye test	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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17	blepharitis	Section Header: <i>Please rate your comfort level in coordinating care for:</i> <i>EXTERNAL EXAMS</i> Blepharitis	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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18	chalazion	Chalazion	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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19	cellulitis	Pre-septal cellulitis	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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20	herpes	Herpes zoster ophthalmicus	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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21	conjunctivitis	Section Header: <i>Please rate your comfort level in managing care for:</i> <i>CONJUNCTIVA and SCLERA</i> Conjunctivitis	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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22	scleritis	Scleritis	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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23	pterygium	Pterygium	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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24	hemorrhage	Subconjunctival hemorrhage	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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25	abrasion	Section Header: <i>Please rate your comfort level in managing care for:</i> CORNEA Corneal abrasion	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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26	ulcer	Corenal ulcer	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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27	keratitis	Herpes Keratitis	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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28	dryeye	Dry eye	radio (Matrix) <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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29	poag	<div>Section Header: <i>Please rate your comfort level in managing care for: GLAUCOMA and LENS</i></div> <div>Primary open angle glaucoma</div>	<div>radio (Matrix)</div> <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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30	acg	Acute ange closure glaucoma	<div>radio (Matrix)</div> <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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31	cataract	Cataract	<div>radio (Matrix)</div> <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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32	diabret	<div>Section Header: <i>Please rate your comfort level in managing care for: OPTHALMIC COMPLICATIONS OF SYSTEMIC DISEASE</i></div> <div>Diabetic retinopathy</div>	<div>radio (Matrix)</div> <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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33	hyperret	Hypertensive retinopathy	<div>radio (Matrix)</div> <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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34	ted	Thyroid eye disease	<div>radio (Matrix)</div> <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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35	rheumat	Rheumatological disease (rheumatoid arthritis)	<div>radio (Matrix)</div> <table><tr><td>1</td><td>Not condent</td></tr><tr><td>2</td><td>Mildly condent</td></tr><tr><td>3</td><td>Moderately condent</td></tr><tr><td>4</td><td>Condent</td></tr><tr><td>5</td><td>Very condent</td></tr></table>		1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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36	sjogrens	Sjogren's	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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37	meds_antibiotics	Section Header: <i>Please rate your comfort level in managing care for:</i> <i>INDICATIONS FOR MEDICATION USE</i> Topical antibiotics	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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38	meds_steroids	Topical steroids	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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39	meds_glaucoma	Topical glaucoma medications	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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40	meds_nsaid	Topical NSAIDS	radio (Matrix) <table border="1"> <tr><td>1</td><td>Not condent</td></tr> <tr><td>2</td><td>Mildly condent</td></tr> <tr><td>3</td><td>Moderately condent</td></tr> <tr><td>4</td><td>Condent</td></tr> <tr><td>5</td><td>Very condent</td></tr> </table>	1	Not condent	2	Mildly condent	3	Moderately condent	4	Condent	5	Very condent
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41	suggestions	Thank you so much for participating in this survey, we really appreciate your time! This was a pilot survey before it will be sent to many more residents. Please let us know if you have any suggestions.	notes										
42	gender	What is your gender?	radio <table border="1"> <tr><td>1</td><td>Male</td></tr> <tr><td>2</td><td>Female</td></tr> </table>	1	Male	2	Female						
1	Male												
2	Female												

43	race_eth	What is your race/ethnicity?	<div>radio</div> <table><tr><td>1</td><td>White, non-Hispanic</td></tr><tr><td>2</td><td>Hispanic</td></tr><tr><td>3</td><td>African-American</td></tr><tr><td>4</td><td>Asian or Pacific Islander</td></tr><tr><td>5</td><td>Native American</td></tr><tr><td>6</td><td>Multiple race/ethnicities</td></tr><tr><td>7</td><td>Other</td></tr></table>	1	White, non-Hispanic	2	Hispanic	3	African-American	4	Asian or Pacific Islander	5	Native American	6	Multiple race/ethnicities	7	Other
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44	my_first_instrument_complete	<div>Section Header: <i>Form Status</i></div> <div>Complete?</div>	<div>dropdown</div> <table><tr><td>0</td><td>Incomplete</td></tr><tr><td>1</td><td>Unverified</td></tr><tr><td>2</td><td>Complete</td></tr></table>	0	Incomplete	1	Unverified	2	Complete								
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