Medical Vision

SIS Table Name	Medical_vision
SIS table Code	MV
Data Collection LEA Level	School
Cycles	3,6
# of Data Items	17
Source	eSchool

Source

These fields receive their values directly from eSchool table fields:

Column ID	Element	Column Name	Cycles	Source Table	Source Column
MV0030	LEA	lea	3,6	eSch: REG_BUILDING	state_code_equiv
MV0040	SSN	ssn	3,6	eSch: REG_PERSONAL	ssn
MV0041	State Reporting ID	uniq_stu_id	3,6	eSch: REG_PERSONAL	state_report_id
MV0042	Grade Level	grade_level	3,6	eSch: REG_GRADE	state_code_equiv
MV0060	Screening Date	screen_date	3,6	eSch: MED_CUSTOM_EXAM_KEY	test_date
MV0062	External Exam	ext_exam	3,6	eSch: V_SCARK113_MED_VISION	external_exam
MV0063	Vision 20	vision20	3,6	eSch: V_SCARK113_MED_VISION	vision_20
MV0066	Colorblind	colorblind	3,6	eSch: V_SCARK113_MED_VISION	color
MV0073	Fusion Far	fusion_far	3,6	eSch: V_SCARK113_MED_VISION	fusion_far
MV0075	Fusion Near	fusion	3,6	eSch: V_SCARK113_MED_VISION	fusion_near
MV0085	Lateral MB Near	lat_mb	3,6	eSch: V_SCARK113_MED_VISION	lat_mb_near
MV0086	Lateral MB Far	lateral_far	3,6	eSch: V_SCARK113_MED_VISION	lat_mb_far
MV0090	Vertical MB Far	ver_mb	3,6	eSch: V_SCARK113_MED_VISION	vert_mb_far
MV0095	Plus 2 Lens	plus2_len	3,6	eSch: V_SCARK113_MED_VISION	plus_20
MV0100	Referral	referral	3,6	eSch: MEDTB_REFER	state_code_equiv
MV0110	Follow Up	follow_up	3,6	eSch: MEDTB_FOLLOWUP	state_code_equiv
MV0115	Auto Refractor	auto_ref	3,6	eSch: V_SCARK113_MED_VISION	location

View: V_SCARK113_MED_VISION

A "view" is a stored query. It gets data from tables, and is then referenced in other queries like it was a table.

The Medical Vision table uses the view “V_SCARK113_MED_VISION”. This view gets information from these joined eSchool tables:

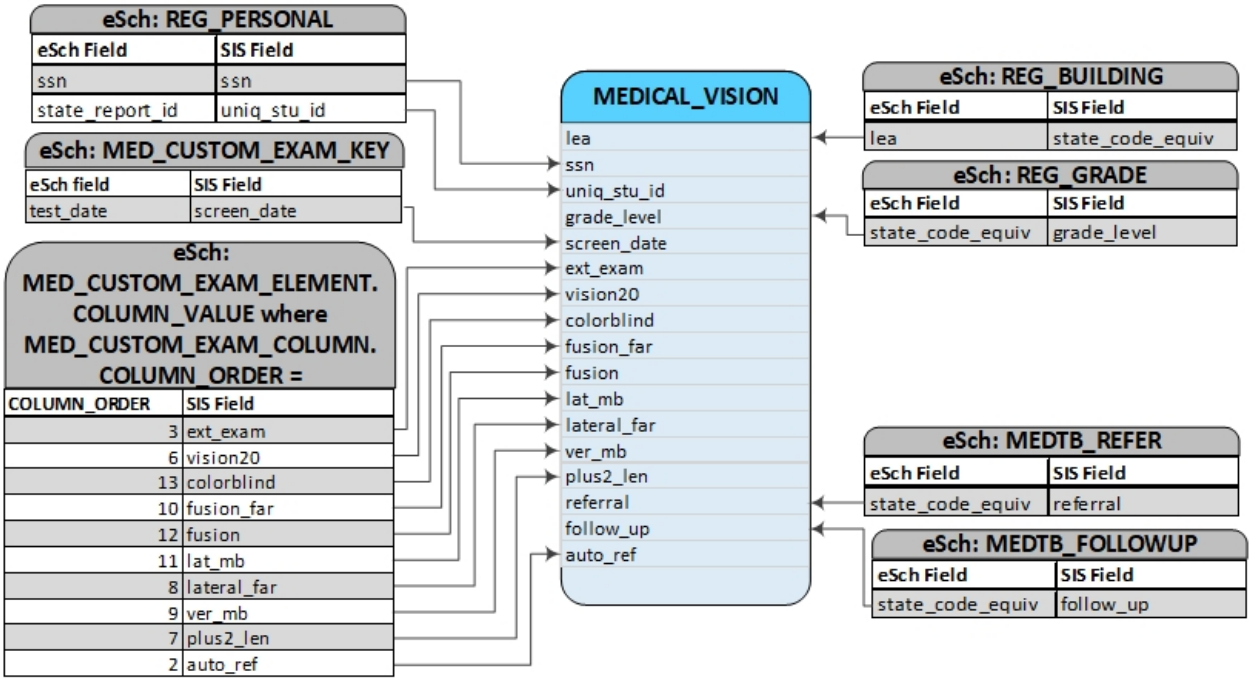
- MED_CUSTOM_EXAM_TYPE
- MED_CUSTOM_EXAM_COLUMN
- MED_CUSTOM_EXAM_KEY
- MED_VISION
- MED_CUSTOM_EXAM_ELEMENT

The table MED_CUSTOM_EXAM_COLUMN determines which value belongs to which Medical Vision field according to the field COLUMN_ORDER:

COLUMN_ORDER	COLUMN_NAME
1	GRADE
2	LOCATION
3	EXTERNAL_EXAM
4	RIGHT_W_GLASSES
5	LEFT_W_GLASSES
6	VISION_20
7	PLUS_20
8	LAT_MB_FAR
9	VERT_MB_FAR
10	FUSION_FAR
11	LAT_MB_NEAR
12	FUSION_NEAR
13	COLOR

The fields MV0062 through MV0115 get their values from the eSchool table MED_CUSTOM_EXAM_ELEMENT field COLUMN_VALUE where COLUMN_ORDER is as follows:

Column ID	Element	Column Name	View Column	COLUMN_ORDER
MV0062	External Exam	ext_exam	external_exam	3
MV0063	Vision 20	vision20	vision_20	6
MV0066	Colorblind	colorblind	color	13
MV0073	Fusion Far	fusion_far	fusion_far	10
MV0075	Fusion Near	fusion	fusion_near	12
MV0085	Lateral MB Near	lat_mb	lat_mb_near	11
MV0086	Lateral MB Far	lateral_far	lat_mb_far	8
MV0090	Vertical MB Far	ver_mb	vert_mb_far	9
MV0095	Plus 2 Lens	plus2_len	plus_20	7
MV0115	Auto Refractor	auto_ref	location	2



Selection Criteria

PLEASE NOTE: Much of the data for this table comes from "views". A "view" is a stored query. It gets data from tables, and is then referenced in other queries like it was a table.

```
FROM
REG_PERSONAL rp
INNER JOIN REG_ENTRY_WITH rew
        ON rp.district = rew.district
        AND rp.student_id = rew.student_id
        AND rew.school_year = {0}
    AND rew.entry_date <= '{4}'
    AND (rew.entry_date < rew.withdrawal_date OR rew.withdrawal_date IS NULL)
INNER JOIN reg r
        ON rp.district = r.district AND
        rp.student_id = r.student_id
INNER JOIN v_scark113_med_vision mv
        ON rew.district = mv.district
        AND rew.student_id = mv.student_id
        AND rew.grade = mv.grade
        AND mv.test_date >= '{2}' --7/1
        AND mv.test_date <= '{4}'
INNER JOIN (SELECT *
      ,RANK() OVER(PARTITION BY student_id
      ORDER BY [start_date] DESC) r
      FROM REG_V_PROGRAMS
      WHERE state_code_equiv = 'ARRS'
      AND program_value <> 'X') arrs
```

```
        ON rew.district = arrs.district
        AND rew.student_id = arrs.student_id
        AND mv.test_date BETWEEN arrs.start_date AND ISNULL(arrs.end_date,GETDATE())
LEFT OUTER JOIN med_vision mv2
          ON mv.district = mv2.district
          AND mv.student_id = mv2.student_id
          AND mv.grade = mv2.grade
          AND mv.test_date = mv2.test_date
LEFT OUTER JOIN med_referral mr
          ON rew.district = mr.district
          AND rew.student_id = mr.student_id
          AND DATEADD(dd, DATEDIFF(dd, 0, mv.test_date), 0) = DATEADD(dd, DATEDIFF(dd, 0,
mr.test_date), 0)
      AND mr.TEST_TYPE = 'SPI_VISION'
LEFT OUTER JOIN REG_DISTRICT rd
          ON rp.district = rd.district
LEFT OUTER JOIN REG_GRADE rg
          ON rew.district = rg.district
          AND rew.grade = rg.code
LEFT OUTER JOIN medtb_refer mtr
          ON mr.district = mtr.district
          AND mr.referral_code = mtr.code
LEFT OUTER JOIN medtb_followup mtf
          ON mr.district = mtf.district
          AND mr.follow_up_code = mtf.code
 LEFT OUTER JOIN REG_BUILDING
    ON rew.DISTRICT = REG_BUILDING.DISTRICT
    AND rew.BUILDING = REG_BUILDING.BUILDING
    WHERE (rp.RESIDENCY_CODE IS NULL OR rp.RESIDENCY_CODE <> 'X')
```