|  |  |  |
| --- | --- | --- |
| **oscarDB tag** | **Description** | **Example** |
| today | system date | 2013-01-29 |
| time (\*) | system time | 10:45:02 |
| appt\_date | appointment date | 2012-12-11 |
| current\_form\_id (\*1) | fid of current eform | number |
| current\_form\_data\_id (\*1) | fdid of current eform | number |
| current\_user | logged in user | Hutten-Czapski, Peter |
| current\_user\_fname\_lname (\*) | logged in user | Peter Hutten-Czapski |
| current\_user\_ohip\_no | OHIP provider No | 150692 |
| current\_user\_specialty\_code | OHIP specialty | 00 |
| current\_user\_cpsid | College Registration | 54345 |
| current\_user\_id | Oscar User No | 121 |
| current\_user\_signature (\*1) | Oscar User Signature | MD (entered from Pref, Edit your Signature) |
| current\_user\_address (\*) | users address | 293 Meridian, Haileybury |
| current\_user\_phone (\*) | user's phone | 705-672-1111 |
| current\_user\_workphone (\*) | user's work phone | 705-672-2222 |
| current\_user\_fax (\*) | user's fax | 705-672-3333 |
| current\_user\_team (\*) | user's team | KME |
| patient\_name | Upper Case Name | MACDONALD, JOHN A |
| first\_last\_name | Mixed Case Name | John a Macdonald |
| patient\_nameL (1) | Last Name | MACDONALD |
| patient\_nameF (1) | First Name | JOHN A |
| patient\_alias (1\*) | alias | snoopy |
| patient\_id | Oscar Generated Demographic No | 3781 |
| label | SURNAME, PROPER Address line Telephones DOB HIC | MACDONALD, JOHN A Box 815, 16 Whitewood Ave., New Liskeard, ON P0J 1P0 Tel:705-647-4399(H)  (W) 03/06/1938(F)  HIN:7999962999CR |
| address | Address City Postal | Box 815, 16 Whitewood Ave. New Liskeard, ON P0J 1P0 |
| addressline | one line address | Box 815, 16 Whitewood Ave., New Liskeard, ON P0J 1P0 |
| address\_street\_number\_and\_name | street and number | Box 815, 16 Whitewood Ave. |
| province | 2 digit province | ON |
| city | City | New Liskeard |
| postal | Postal Code | P0J 1P0 |
| dob | date of birth | 03/06/1938 (d/m/y) |
| dobc | dd/mm/yyyy | 03/06/1938 |
| dobc2 | yyyy/mm/dd | 1938/06/03 |
| dob\_year | yyyy | 1938 |
| dob\_month | mm | 06 |
| dob\_day | dd | 03 |
| NameAddress | Name Address | MACDONALD, JOHN A Box 815, 16 Whitewood Ave., New Liskeard, ON P0J 1P0 |
| hin | HIN and Version | 7999962999 CR |
| hinc | HIN | 7999962999 |
| hinversion | Version Code | CR |
| hc\_renew\_date | Health Card Renewal | 2006-01-23 |
| chartno | User provided Chart No eg the paper chart # | 29973 |
| phone | home phone | 705-647-4399 |
| phone2 | work phone | 705-647-4399 |
| cell | cell phone | 705-647-4399 |
| phone\_extension | extension | 23 |
| phone2\_extension | extension | 23 |
| age | Age in years | 74 |
| ageComplex | Age expressed in days weeks or months for infants and toddlers and years  for older children or adults | 74 year old |
| sex | gender | M |
| sin (\*1) | Social Security Number | 111-222-333 |
| medical\_history | history | 1984ANTEROLATERAL MYOCARDIAL INFARCT 2000 COPD 2001 ATYPICAL PNEUMONIA 2002 OSTEOPENIA 2007 CATARACT REMOVAL & IOL IMPLANT(Right) 2008 CVA (CEREBROVASCULAR)(Right) |
| other\_medications\_history | family history and other meds | dad renal failure 76 IHD, mom AMI 75 NIDDM |
| social\_family\_history | social history | Lives with son Michael, Retired |
| ongoingconcerns | ongoing concerns | Limited finances |
| reminders | reminders | Findlay's, If unable to reach patient at home tel #, contact Mike (caretaker) at 705-676-7995(cell). |
| risk\_factors\_json (\*1) | risk factors | Risk Factors from CPP |
| family\_history\_json (\*1) | family history | Family History from CPP |
| dxregistry | Comma delineated disease registry items | ESSENTIAL HYPERTENSION\*, CHRONIC BRONCHITIS\* |
| OHIPdxCode | Comma delimited OHIP diagnosis codes billed | 715,919,300,366,896,401,610,381,799,380,493,388,491,454,386,691,780 |
| allergies\_des | allergies and archived (deleted) | PENICILLIN archived allergies: AMOXIL |
| allergies\_des\_no\_archived | current allergies | PENICILLIN |
| recent\_rx | recent Rx | 2012-11-12 AGGRENOX Take 1 Tabs PO BID for 90 Days LU Code: 349 Qty:180 Repeats:3 2012-11-08 MUCOMYST INJ 200MG/ML 2 ml by nebuliser TID for 30 days Qty:90 ml Repeats:4 2012-10-31 PULMICORT NEBUAMP 0.5 MG/ML inhale contents of 1 nebule BID for 60 days LU Code: 264 Qty:120 Repeats:0 SALBUTAMOL  1MG LIQUID Take 1 neb qid for 90 days Qty:360 Repeats:3 IPRATROPIUM BROMIDE .25MG SOLUTION 1 neb Q6H for 90 days Qty:360 Repeats:3 SALBUTAMOL  100MCG METERED-DOSE AEROSOL 1-2puff QID INH PRN for 30 days Qty:2 Repeats:12 |
| today\_rx | todays Rx | 2012-11-12 AGGRENOX Take 1 Tabs PO BID for 90 Days LU Code: 349 Qty:180 Repeats:3 |
| druglist\_generic | Generic drug list one per line | ACETYLSALICYLIC ACID 25.0 MG DIPYRIDAMOLE 200.0 MG 1 BID ACETYLCYSTEINE 0 TID SALBUTAMOL (SALBUTAMOL SULFATE) 0 QID prn IPRATROPIUM BROMIDE 0 Q6H SALBUTAMOL (SALBUTAMOL SULFATE) 1 qid BETAHISTINE HYDROCHLORIDE 16.0 MG 1 TID FUROSEMIDE 20.0 MG 1 OD |
| druglist\_trade | Trade drug list one per line | AGGRENOX 1 BID MUCOMYST INJ 200MG/ML 0 TID VENTOLIN  100MCG METERED-DOSE AEROSOL 0 QID prn ATROVENT .25MG SOLUTION 0 Q6H VENTOLIN  1MG LIQUID 1 qid NOVO-BETAHISTINE 16MG 1 TID LASIX 20 TAB 1 OD |
| druglist\_line | the shortest druglist comma separated | Aggrenox 1 BID, Mucomyst inj 200mg/ml 0 TID, Salbutamol 100mcg metered-dose aerosol 0 QID prn, Ipratropium bromide .25mg solution 0 Q6H, Salbutamol 1mg liquid 1 qid, Novo-betahistine 16mg 1 TID, Furosemide 20 tab 1 OD |
| onGTPAL (\*1) | Ontario Antenatal Record GTPAL code | GxTxPxAxLx |
| onEDB (\*1) | Ontario Antenatal Record EDB | 2014-12-31 |
| bcGTPAL (\*1) | British Columbia Antenatal Record GTPAL code | GxTxPxAxLx |
| bcEDD (\*1) | British Columbia Antenatal Record EDD | 2014-12-31 |
| doctor | Last, First of doctor listed by Oscar in demographics | Hutten-Czapski, Peter |
| doctor\_provider\_no (\*1) | Provider number | 1007 |
| doctor\_ohip\_no | Their billing number | 150692 |
| doctor\_specialty\_code | Their specialty | 00 |
| doctor\_cpsid | Their CPSID | 54345 |
| doctor\_title (\*1) | Their Title | MD (this column is in the database but not editable) |
| provider\_name | Last, First | Hutten-Czapski, Peter |
| provider\_name\_first\_init | Name | P. Hutten-Czapski |
| doctor\_work\_phone | work no | 705-672-1111 |
| doctor\_signature (\*1) | Their signature | MD |
| referral\_name | Last, First | SPADE, SAM (These come from the ProfessionalSpecialists table using the ReferralNo) |
| referral\_address | Multiline address | 431 Whitewood Ave New Liskeard ON P0J 1P0 |
| referral\_phone | Referral phone | (705) 647-1112 Ext 5422 |
| referral\_fax | Fax no | 705-647-1234 |
| bc\_referral\_name (\*1) | Last, First | SPADE, SAM (These come from the billingreferral table using the ReferralNo) |
| bc\_referral\_address (\*1) | Multiline address | 431 Whitewood Ave New Liskeard ON P0J 1P0 |
| bc\_referral\_phone (\*1) | Referral phone | (705) 647-1112 Ext 5422 |
| bc\_referral\_fax (\*1) | Fax no | 705-647-1234 |
| bc\_referral\_no (\*1) | Referring MD no | 666666 |
| appt\_provider\_name | Appointment | Hutten-Czapski, Peter |
| appt\_provider\_id | Oscar appt provider number | 121 |
| appt\_no | number | 147227 |
| clinic\_name | name | Haileybury Family Health Team |
| clinic\_phone | As per admin | 705-672-1111 |
| clinic\_fax | As per admin | 705-672-2222 |
| clinic\_label | Multiline name and address | Haileybury Family Health Team 2913 Meridian Haileybury, Ontario, P0J 1P0 Tel:672-1111Fax:705-672-2222 |
| clinic\_addressLine | Street | 2913 Meridian |
| clinic\_addressLineFull | Street, City, Province, Postal | 2913 Meridian, Haileybury, Ontario, P0J 1K0 |
| clinic\_address | Multiline Note bug in where the P0J 1K0 goes | 2913 Meridian Haileybury, P0J 1P0 Ontario, Canada |
| clinic\_city | city | Haileybury |
| clinic\_province | province | Ontario |
| clinic\_postal | postal | P0J 1K0 |
| dtap\_immunization\_date | dtap immunisation date | 2002-11-19 |
| flu\_immunization\_date | flu shot date | 2002-11-19 |
| fobt\_immunization\_date | fobt date | 2002-11-19 |
| mammogram\_immunization\_date | mammo date | 2002-11-19 |
| pap\_immunization\_date | pap date | 2002-11-19 |
| cytology\_no (\*1) | cytology number | number (from demographic Ext table where key = 'cytolNum') |
| guardian\_label | from new relationships tables first last address city province postal | MIKE MACDONALD 431 Whitewood Ave New Liskeard ON P0J 1P0 |
| guardian\_label2 | Substitute Decision Maker first last address city province postal | MIKE MACDONALD 431 Whitewood Ave New Liskeard ON P0J 1P0 |
| email (\*1) | patient email | my.name@oscarcanada.org |
|  |  |  |

**b. Measurements**

Measurements can be retrieved from the chart as well.  The format is oscarDB=m$<measurementName>#<measurementField>.  For most uses you are interested in the "value" measurement Field which will give you the latest measurement of that type (the types configured vary by system, the examples are ones that are common to most if not all Oscar installations)

<input type="text" name="WT" id="WT" oscarDB=m$WT**#value**>

And comments associated with that measurement

<input type="text" name="EGFR" id="EGFR" oscarDB=m$EGFR**#comments**>

the date of the Measurement can be pulled by

<input type="text" name="dailySmokes" id="dailySmokes" oscarDB=m$NOSK**#dateObserved**>

Measurements can be saved from the form to the measurements list by using m$<measurementName>#<measurementField> as the **name** of the input

WT: <input class="nodisplay" type="text" name="**m$WT#value**" />

<select name="**m$WT#measuringInstruction**">

        <option value="in kg">in kg</option>

        <option value="in BMI">in BMI</option>

        </select>

Comments: <textarea class="nodisplay" name="**m$WT#comments**" rows="3" cols="20"></textarea>

If you want to both read from and write to the measurements database combine the two methods

<input type="text" name="**m$BP#dateObserved**" oscarDB=**m$BP#dateObserved**>

The name of each text field and checkbox MUST be unique.  The information WILL NOT SAVE if there are duplicate names.

The following measurements are standard for Oscar 12\_1 Build 76 and later, although may be in earlier builds depending on your OSP

|  |  |  |  |
| --- | --- | --- | --- |
| **tag** | **typeDisplayName** | **typeDescription** | **validation** |
| 02 | Oxygen Saturation | Oxygen Saturation | Numeric Value: 0 to 100 |
| 24UA | 24-hour urine albumin | 24-hour urine albumin | Numeric Value greater than or equal to 0 |
| 24UR | 24-hr Urine cr clearance & albuminuria | Renal 24-hr Urine cr clearance & albuminuria | Numeric Value: 0 to 50 |
| 5DAA | 5 Day Adherence if on ART | 5 Day Adherence if on ART | Numeric Value: 0 to 100 |
| A1C | A1C | A1C | Numeric Value: 0 to 50 |
| AACP | Asthma Action Plan | Asthma Action Plan | Yes/No/NA |
| ACOS | Asthma Coping Strategies | Asthma Coping Strategies | Yes/No/NA |
| ACR | Alb creat ratio | ACR | Numeric Value: 0 to 300 |
| ACS | Acute Coronary Syndrome | Acute Coronary Syndrome | Yes/No/X |
| AEDR | Asthma Education Referral | Asthma Education Referral | Yes/No/NA |
| AELV | Exacerbation since last visit requiring clinical evaluation | Exacerbation since last visit requiring clinical evaluation | Yes/No/NA |
| AENC | Asthma Environmental Control | Asthma Environmental Control | Yes/No/NA |
| AHGM | Anit-hypoglycemic Medication | Anit-hypoglycemic Medication | Yes/No/X |
| AIDU | Active Intravenous Drug Use | Active Intravenous Drug Use | Yes/No/X |
| ALC | Alcohol | Alcohol | Yes/No/NA |
| ALPA | Asthma Limits Physical Activity | Asthma Limits Physical Activity | Yes/No/NA |
| ALT | ALT | ALT | Numeric Value: 0 to 300 |
| Ang | Angina | Angina | Yes/No/X |
| ANR | Asthma Needs Reliever | Asthma Needs Reliever | Numeric Value greater than or equal to 0 |
| ANSY | Asthma Nighttime Symptoms | Asthma Nighttime Symptoms | Numeric Value greater than or equal to 0 |
| AORA | ACE-I OR ARB | ACE-I OR ARB | Yes/No/X |
| ARAD | Review Asthma Definition | Review Asthma Definition | Yes/No/NA |
| ARDT | Asthma Review Device Technique optimal | Asthma Review Device Technique optimal | Yes/No/NA |
| ARMA | Asthma Review Med Adherence | Asthma Review Med Adherence | Yes/No/NA |
| ASAU | ASA Use | ASA Use | Yes/No/X |
| ASPR | Asthma Specialist Referral | Asthma Specialist Referral | Yes/No/NA |
| AST | AST | AST | Numeric Value: 0 to 100 |
| ASTA | Asthma Trigger Avoidance | Asthma Trigger Avoidance | Yes/No/NA |
| ASWA | Asthma Absence School Work | Asthma Absence School Work | Yes/No/NA |
| ASYM | Asthma Symptoms | Asthma Symptoms | Numeric Value greater than or equal to 0 |
| BCTR | Birth Control | Birth Control | Yes/No/NA |
| BG | Blood Glucose | Blood Glucose | Yes/No/X |
| BMED | Blood Pressure Medication Changes | BP Med Changes | Yes/No/X |
| BMI | Body Mass Index | BMI | Numeric Value: 0 to 100 |
| BP | BP | Blood Pressure | Blood Pressure |
| BP | BP | Blood Pressure | Blood Pressure |
| BP | BP | Blood Pressure | Blood Pressure |
| BP | BP | Blood Pressure | Blood Pressure |
| CASA | Consider ASA | Consider ASA | Yes/No/X |
| CD4 | CD4 | CD4 | Numeric Value greater than or equal to 0 |
| CD4P | CD4 Percent | CD4 Percent | Numeric Value: 0 to 100 |
| CDMP | Attended CDM Self-Management Program | Attended CDM Self-Management Program | Yes/No/NA |
| CEDE | Education Exercise | Education Exercise | Yes/No/X |
| CEDM | Education Patient Meds | Education Patient Meds | Yes/No/X |
| CEDS | Education Salt fluid | Education Salt fluid | Yes/No/X |
| CEDW | Education Daily Weight Monitoring | Education Daily Weight Monitoring | Yes/No/X |
| CERV | ER visits for HF | ER visits for HF | Numeric Value: 0 to 10 |
| CGSD | Collaborative Goal Setting | Collaborative Goal Setting | Yes/No/X |
| CIMF | Child Immunization recall | Child Immunization Follow up | No Validations |
| CMVI | CMV IgG | CMV IgG | Yes/No/X |
| CODC | COD Classification | COD Classification | No Validations |
| COPE | Provide COP Education Materials | Provide COP Education Materials | Yes/No/NA |
| COPM | Review COP Med use and Side effects | Review COP Med use and Side effects | Yes/No/NA |
| COPS | COP Specialist Referral | COP Specialist Referral | Yes/No/NA |
| COUM | Warfarin Weekly Dose | Warfarin Dose | Numeric Value: 0 to 300 |
| CRCL | Creatinine Clearance | Creatinine Clearance | Numeric Value: 0 to 300 |
| CVD | CVD | Cerebrovascular disease | Yes/No/X |
| CXR | CXR | CXR | Yes/No/X |
| DARB | ACE AARB | ACE AARB | Yes/No/NA |
| DEPR | Depression | Depression | Yes/No/NA |
| DESM | Dental Exam Every 6 Months | Dental Exam Every 6 Months | Yes/No/X |
| DiaC | Diabetes Counselling Given | Diabetes Counselling Given | Yes/No/X |
| DIER | Diet and Exercise | Diet and Exercise | Yes/No/X |
| DIET | Diet | Diet | Yes/No/NA |
| DIFB | Impaired FB | Impaired FB | Yes/No/NA |
| DIGT | Impaired GT | Impaired Glucose Tolerance | Yes/No/NA |
| DM | DM | Diabetes | Yes/No/X |
| DMED | Diabetes Medication Changes | DM Med Changes | Yes/No/X |
| DMME | Diabetes Education | Diabetes Education | Yes/No/X |
| DMSM | Diabetes Self-Management Goals | Diabetes Self-Management Goals | Yes/No/NA |
| DOLE | Date of last Exacerbation | Date of last Exacerbation | Date |
| DpSc | Depression Screen | Feeling Sad, blue, or depressed for 2 weeks or more | Yes/No/X |
| DRCO | Drug Coverage | Drug Coverage | Yes/No/X |
| DRPW | Drinks per Week | Drinks per Week | Numeric Value: 0 to 300 |
| DT1 | Type I | Diabetes Type 1 | Yes/No/NA |
| DT2 | Type II | Diabetes Type 2 | Yes/No/NA |
| DTYP | Diabetes Type | Diabetes Type | Integer: 1 to 3 |
| ECG | ECG | ECG | Yes/No/NA |
| EDC | EDC | Expected Date of Confinement | Date |
| EDDD | Education Diabetes | Education Diabetes | Yes/No/X |
| EDF | EDF | Erectile Dysfunction | Yes/No/X |
| EDGI | Autonomic Neuropathy | Autonomic Neuropathy | Yes/No/X |
| EDND | Education Nutrition Diabetes | Education Nutrition Diabetes | Yes/No/X |
| EDNL | Education Nutrition Lipids | Education Nutrition Lipids | Yes/No/X |
| EGFR | EGFR | EGFR | Numeric Value: 0 to 300 |
| EPR | Exacerbation plan in place or reviewed | Exacerbation plan in place or reviewed | Yes/No/NA |
| EXE | Exercise | Exercise | Yes/No/NA |
| ExeC | Exercise Counselling Given | Exercise Counselling Given | Yes/No/X |
| Exer | Exercise | Exercise | Numeric Value greater than or equal to 0 |
| EYEE | Dilated Eye Exam | Eye Exam | Yes/No/X |
| FAHS | Risk of Falling | Risk of Falling | Yes/No/NA |
| FBPC | 2 hr PC BG | 2 hr PC BG | Numeric Value: 0 to 50 |
| FBS | FBS | Glucose FBS | Numeric Value: 0 to 50 |
| FEET | FEET | Feet Check skin | Yes/No/NA |
| FEET | FEET | Feet Check skin | Yes/No/NA |
| FEET | FEET | Feet Check skin | Yes/No/NA |
| FEET | FEET | Feet Check skin | Yes/No/NA |
| FEET | FEET | Feet Check skin | Yes/No/NA |
| FEV1 | Forced Expiratory Volume 1 Second | Forced Expiratory Volume 1 Second | Numeric Value greater than or equal to 0 |
| FGLC | Fasting Glucose meter, lab comparison | Fasting glucose meter, lab comparison | Yes/No/X |
| FICO | Financial Concerns | Financial Concerns | Yes/No/X |
| FLUF | Flu Recall | Flu Recall Documentation | No Validations |
| FOBF | FOBT prevention recall | FOBT Immunization Follow up | No Validations |
| FRAM | Framingham 10-year CAD | Framingham 10-year CAD | No Validations |
| FTE | Foot Exam | Foot Exam | Yes/No/X |
| FTEx | Foot Exam: Significant Pathology | Significant Pathology | Yes/No/X |
| FTIn | Foot Exam: Infection | Infection | Yes/No/X |
| FTIs | Foot Exam: Ischemia | Ischemia | Yes/No/X |
| FTLS | Foot Exam Test loss of Sensation | Foot Exam Loss of Sensation | Yes/No/X |
| FTNe | Foot Exam: Neuropathy | Neuropathy | Yes/No/X |
| FTOt | Foot Exam: Other Vascular abnormality | Other Vascular abnormality | Yes/No/X |
| FTRe | Foot Exam: Referral made | Referral made | Yes/No/X |
| FTST | Free Testost | Free Testosterone | Numeric Value greater than or equal to 0 |
| FTUl | Foot Exam: Ulcer | Ulcer | Yes/No/X |
| G6PD | G6PD | G6PD | Yes/No/X |
| Hb | Hb | Hb | Numeric Value: 0 to 300 |
| HIP | Hip Circ. | Hip Circumference | Numeric Value greater than or equal to 0 |
| Hchl | Hyper cholesterolemia | Hyper cholesterolemia | Yes/No/X |
| HDL | HDL | High Density Lipid | Numeric Value: 0 to 10 |
| HEAD | Head circumference | Head circumference | Numeric Value: 0 to 100 |
| HFCG | HF Collaborative Goal Setting | HF Collaborative Goal Setting | Yes/No/X |
| HFCS | HF Self-Management Challenge | HF Self-Management Challenge | Yes/No/X |
| HFMD | HF Mod Risk Factor Diabetes | HF Mod Risk Factor Diabetes | Yes/No/X |
| HFMH | HF Mod Risk Factor Hyperlipidemia | HF Mod Risk Factor Hyperlipidemia | Yes/No/X |
| HFMO | HF Mod Risk Factor Overweight | HF Mod Risk Factor Overweight | Yes/No/X |
| HFMS | HF Mod Risk Factor Smoking | HF Mod Risk Factor Smoking | Yes/No/X |
| HFMT | HF Mod Risk Factor Hypertension | HF Mod Risk Factor Hypertension | Yes/No/NA |
| HIVG | HIV genotype | HIV genotype | Yes/No/X |
| HLA | HLA B5701 | HLA B5701 | Yes/No/X |
| HpAI | Hep A IgG | Hep A IgG | Yes/No/X |
| HpBA | Hep BS Ab | Hep BS Ab | Yes/No/X |
| HPBC | Hep B CAb | Hep B CAb | Yes/No/X |
| HPBP | Hep B PCR | Hep B PCR | Yes/No/X |
| HpBS | Hep BS Ag | Hep BS Ag | Yes/No/X |
| HpCA | Hep C Ab | Hep C Ab | Yes/No/X |
| HPCG | Hep C Genotype | Hep C Genotype | Numeric Value: 0 to 7 |
| HPCP | Hep C PCR | Hep C PCR | Yes/No/X |
| HRMS | Review med use and side effects | HTN Review of Medication use and side effects | No Validations |
| HSMC | Self-Management Challenges | HTN Self-Management Challenges | No Validations |
| HSMG | Self-Management Goal | HTN Self-Management Goal | No Validations |
| HT | HT | Height | Numeric Value: 0 to 300 |
| HTN | HTN | Hypertension | Yes/No/X |
| HYPE | Hypoglycemic Episodes | Number of Hypoglycemic Episodes | Numeric Value: 0 to 50 |
| HYPM | Hypoglycemic Management | Hypoglycemic Management | Yes/No/X |
| IART | Currently On ART | Currently On ART | Yes/No/X |
| iDia | Eye Exam: Diabetic Retinopathy | Diabetic Retinopathy | Yes/No/X |
| iEx | Eye Exam: Significant Pathology | Significant Pathology | Yes/No/X |
| iHyp | Eye Exam: Hypertensive Retinopathy | Hypertensive Retinopathy | Yes/No/X |
| INR | INR | INR | Numeric Value: 0 to 300 |
| INSL | Insulin | Insulin | Yes/No/NA |
| iOth | Eye Exam: Other Vascular Abnormality | Other Vascular Abnormality | Yes/No/X |
| iRef | Eye Exam: Referral Made | Referral Made | Yes/No/X |
| JVPE | JPV Elevation | JPV Elevation | Yes/No/X |
| Kpl | Potassium | Potassium | Numeric Value: 0 to 10 |
| LcCt | Locus of Control Screen | Feeling lack of control over daily life | Yes/No/X |
| LDL | LDL | Low Density Lipid | Numeric Value: 0 to 10 |
| LEFP | LEFS Pain | Lower Extremity Functional Scale - Pain | Numeric Value: 0 to 300 |
| LETH | Lethargy | Lethargic | Yes/No/NA |
| LHAD | Lung Related Hospital Admission | Lung Related Hospital Admission | Yes/No/NA |
| LMED | Lipid Lowering Medication Changes | Lipid Med Changes | Yes/No/X |
| LMP | Last Menstrual Period | LMP | Date |
| LUCR | Lung Crackles | Lung Crackles | Yes/No/X |
| MACA | Macroalbuminuria | Renal Microalbuminuria | Numeric Value: 0 to 50 |
| MACC | MAC culture | MAC culture | Yes/No/X |
| MAMF | MAM Recall | Mammogram Recall Documentation | No Validations |
| MCCE | Motivation Counselling Completed Exercise | Motivation Counselling Completed Exercise | Yes/No/X |
| MCCN | Motivation Counselling Completed Nutrition | Motivation Counselling Completed Nutrition | Yes/No/X |
| MCCO | Motivation Counselling Completed Other | Motivation Counselling Completed Other | Yes/No/X |
| MCCS | Motivation Counselling Completed Smoking Cessation | Motivation Counselling Completed Smoking Cessation | Yes/No/X |
| MedA | Medication adherence access barriers | Difficulty affording meds or getting refills on time | Yes/No/X |
| MedG | Medication adherence general problem | Any missed days or doses of meds | Yes/No/X |
| MedN | Medication adherence negative beliefs | Concerns about side effects or medication is not working | Yes/No/X |
| MedR | Medication adherence recall barriers | Difficulty remembering to take meds | Yes/No/X |
| MI | MI | MI | Yes/No/X |
| Napl | Sodium | Sodium | Numeric Value: 0 to 300 |
| NDIP | CMCC NDI Pain | CMCC Neck Disability Index - Pain | Numeric Value: 0 to 300 |
| NDIS | CMCC NDI Score | CMCC Neck Disability Index - Score | Numeric Value: 0 to 300 |
| NOSK | Number of Cigarettes per day | Smoking | Numeric Value: 0 to 300 |
| NOVS | Need for nocturnal ventilated support | Need for nocturnal ventilated support | Yes/No/NA |
| NtrC | Diet/Nutrition Counselling Given | Diet/Nutrition Counselling Given | Yes/No/X |
| NYHA | NYHA Functional Capacity Classification | NYHA Functional Capacity Classification | Integer: 1 to 4 |
| G | Gravida | Gravida {# of pregnancies} | Numeric Value: 0 to 50 |
| P | Para | Para {pregnancies carried to viable gest. age} | Numeric Value: 0 to 50 |
| OSWP | Oswestry BDI Pain | Oswestry Back Disability Index - Pain | Numeric Value: 0 to 300 |
| OSWS | Oswestry BDI Score | Oswestry Back Disability Index - Score | Numeric Value: 0 to 300 |
| OTCO | Other Concerns | Other Concerns | Yes/No/X |
| OthC | Other Counselling Given | Other Counselling Given | Yes/No/X |
| OUTR | Outside Spirometry Referral | Outside Spirometry Referral | Yes/No/NA |
| PANE | Painful Neuropathy | Painful Neuropathy | Yes/No/X |
| PAPF | Pap Recall | Pap Recall Documentation | No Validations |
| PEDE | Pitting Edema | Pitting Edema | Yes/No/X |
| PEFR | PEFR value | PEFR value | Numeric Value greater than or equal to 0 |
| PHIN | Pharmacological Intolerance | Pharmacological Intolerance | Yes/No/NA |
| PIDU | Previous Intravenous Drug Use | Previous Intravenous Drug Use | Yes/No/X |
| PPD | PPD | PPD | Yes/No/NA |
| PRRF | Pulmonary Rehabilitation Referral | Pulmonary Rehabilitation Referral | Yes/No/NA |
| PSPA | Patient Sets physical Activity Goal | Patient Sets physical Activity Goal | Yes/No/NA |
| PSSC | Psychosocial Screening | Psychosocial Screening | Yes/No/X |
| PsyC | Psychosocial Counseling Given | Psychosocial Counseling Given | Yes/No/X |
| PULS | P | Heart Rate | Numeric Value: 0 to 300 |
| PVD | PVD | Peripheral vascular disease | Yes/No/X |
| QDSH | QuickDASH Score | Disabilities of the Arm, Shoulder, and Hand - Score | Numeric Value: 0 to 300 |
| RABG | Recommend ABG | Recommend ABG | Yes/No/NA |
| REBG | Review Blood Glucose Records | Review Glucose Records | Yes/No/X |
| RESP | RR | Respiratory Rate | Numeric Value: 0 to 100 |
| RETI | Retinopathy | null | Yes/No/X |
| RPHR | Review PHR | Review PHR | Yes/No/NA |
| RPPT | Review Pathophysiology, Prognosis, Treatment with Patient | Review Pathophysiology, Prognosis, Treatment with Patient | Yes/No/NA |
| RVTN | Revascularization | Revascularization | Yes/No/X |
| SCR | Serum Creatinine | Creatinine | Numeric Value greater than or equal to 0 |
| SEXF | Sexual Function | Sexual Function | Yes/No/NA |
| SKST | Smoking Status | Smoking Status | Yes/No/X |
| SMBG | Self-monitoring BG | Self-Monitoring Blood Glucose | Yes/No/X |
| SmCC | Smoking Cessation Counseling Given | Smoking Cessation Counseling Given | Yes/No/X |
| SMCD | Self-Management Challenges | Self-Management Challenges | Yes/No/X |
| SMCP | Smoking Cessation Program | Smoking Cessation Program | No Validations |
| SMCS | Smoking Cessation | Smoking Cessation | Yes/No/NA |
| SMK | Smoking | Smoking | Yes/No/X |
| SmkA | Smoking Advice | Advised to Quid | Yes/No/X |
| SmkC | Cigarette Smoking Cessation | Cigarette Smoking Cessation | Date |
| SmkD | Daily Packs | Packs of Cigarets Daily | No Validations |
| SmkF | Smoking Followup | Followup Requested | Yes/No/X |
| SmkP | Cigarette Smoking History | Cigarette Smoking History | Numeric Value: 0 to 300 |
| SmkS | Cigarette Smoking Status | Cigarette Smoking Status | Numeric Value: 0 to 100 |
| SODI | Salt Intake | Salt Intake | Yes/No/X |
| SOHF | Symptoms of Heart Failure | Symptoms of Heart Failure | Yes/No/X |
| SPIR | Spirometry | Spirometry | Numeric Value greater than or equal to 0 |
| SSEX | Practicing Safe Sex | Practicing Safe Sex | Yes/No/X |
| STRE | Stress Testing | Stress Testing | Yes/No/NA |
| StSc | Stress Screen | Several periods of irritability, feeling filled with anxiety, or difficulty sleeping b/c of stress | Yes/No/X |
| SUAB | Substance Use | Substance Use | Yes/No/X |
| SUO2 | Need for supplemental oxygen | Need for supplemental oxygen | Yes/No/NA |
| TCHD | TC/HDL | LIPIDS TD/HDL | Numeric Value: 0 to 50 |
| TCHL | Total Cholestorol | Total Cholestorol | Numeric Value: 0 to 10 |
| TEMP | Temp | Temperature | Numeric Value: 0 to 50 |
| TG | TG | LIPIDS TG | Numeric Value: 0 to 50 |
| TOXP | Toxoplasma IgG | Toxoplasma IgG | Yes/No/X |
| TRIG | Triglycerides | Triglycerides | Numeric Value: 0 to 50 |
| TSH | TSH | Thyroid Stimulating Hormone | Numeric Value: 0 to 100 |
| TUG | Timed Up and Go | Timed Up and Go | Numeric Value greater than or equal to 0 |
| UACR | Alb creat ratio **\*\*\*DEPRECATED\*\***\* | UACR | Numeric Value: 0 to 300 |
| UAIP | Update AIDS defining illness in PMH | Update AIDS defining illness in PMH | Yes/No/X |
| UALB | Urine alb: creat ratio **\*\*\*DEPRECATED\*\*\*** | Urine alb: creat ratio | Numeric Value: 0 to 100 |
| UDUS | Update Drug Use | Update Drug Use | Yes/No/X |
| UHTP | Update HIV Test History in PMH | Update HIV Test History in PMH | Yes/No/X |
| URBH | Update Risk Behaviours | Update Risk Behaviours | Yes/No/X |
| USSH | Update Sexual Identity in Social History | Update Sexual Identity in Social History | Yes/No/X |
| VB12 | Vit B12 | Vitamin B12 | Numeric Value greater than or equal to 0 |
| VDRL | VDRL | VDRL | Yes/No/X |
| VLOA | Viral Load | Viral Load | Numeric Value greater than or equal to 0 |
| WAIS | Waist | Waist | Numeric Value: 0 to 300 |
| WHR | Waist:Hip | Waist Hip Ratio | Numeric Value: 0 to 10 |
| WT | WT | Weight | Numeric Value: 0 to 300 |

To get the entire history of values for a measurement you will need to add the following javascript which will load a given measurement "measure" into two javascript variables measureArray and measureDateArray.

<script type="text/javascript" language="javascript">

var measureArray=[];

var measureDateArray=[];

function getMeasures(measure) {

xmlhttp=new XMLHttpRequest();

var pathArray = window.location.pathname.split( '/' );

var newURL = window.location.protocol + "//" + window.location.host +"/"+pathArray[1]+"/oscarEncounter/oscarMeasurements/SetupDisplayHistory.do?type="+measure;

xmlhttp.onreadystatechange=function(){

if (xmlhttp.readyState==4 && xmlhttp.status==200){

var str=xmlhttp.responseText; //local variable

if (!str) { return; }

var myRe = /<td width="10">([\d,\.]+)<\/td>/g; //for the measurement

var myArray;

var i=0;

while ((myArray = myRe.exec(str)) !== null){

measureArray[i]=myArray[1];

i=i+1;

}

var myRe = /<td width="150">([0-9,-]+)<\/td>\s\*<td width="150">/g; //the first date is the observation date

var myArray;

var i=0;

while ((myArray = myRe.exec(str)) !== null){

measureDateArray[i]=myArray[1];

i=i+1;

}

}

}

xmlhttp.open("GET",newURL,false);

xmlhttp.send();

}

</script>

**c. Enhanced database tags**

Like with measurements these oscarDB's can both read and push to update the database. To allow a field to be updated in the database, the <databaseap> tag  
(in resources/oscar/eform/apconfig.xml) for each field must include an <ap-insql> tag.

For Oscar 12\_1 the following fields are so enabled:  patient\_nameL, patient\_nameF  
  
The <ap-insql> tag allows: ${value} (value of the entered field),${demographic} (demographic number), ${provider} (provider number), and ${fid} (eform id).  
  
In the eform, the <input> tag that you want to be able to update must include an oscarDBinput attribute, like this:

<input type="text" name="test" oscarDB=**patient\_nameL oscarDBinput**>

Users must check the "Update fields in database" checkbox on the eform in order to update the fields on the form in the database.  Otherwise, they'll just be saved as part of the eform; the <ap-insql> query won't be executed.  
  
Users can click on the "Refresh DB Fields" button to update all of the <input> tags with an oscarDB attribute with the most recently available data from the database.  
  
All updates will be recorded in the security log as a DatabaseAP "edit" action, which includes the query that was executed.

**d. Extended database tags**

These oscarDBs cannot be directly called (i.e. oscarDB=<tag>). Like measurements they should be called in special formats so as to include extra parameters.

**oscarOPEN="formname"**

This will allow to open another eForm by name.  The following will open the eForm 'test':

<input type="button" name="a\_name\_is\_required" oscarOPEN="test" />

**oscarDB=e$first#{var\_name}**  
  
Parameter: {var\_name} = (name of eform field)  
Description:  
This ap retrieves the value of field {var\_name} from the same eform which is first submitted.  
Only value of the same eform (same fid) is retrieved, therefore eforms using this ap must have a field {var\_name}.  
Deleted eform data (fdid status=0) is excluded.

For example if you want to retrieve the value of the first patient which is stored in the field "name" for whom a copy of the same eForm is saved you would use:

oscarDB=**e$first#name**

**oscarDB=e$last#{var\_name}**  
  
Parameter: {var\_name} = (name of eform field)  
Description:  
This ap retrieves the value of field {var\_name} from the same eform which is last submitted  
Only value of the same eform (same fid) is retrieved, therefore eforms using this ap must have a field {var\_name}.  
Deleted eform data (fdid status=0) is excluded.

For example, to retrieve the value of field "resident" in the same eform which is last submitted

oscarDB=**e$last#resident**

**oscarDB=e$count#{var\_name}**  
  
Parameter: {var\_name} = (name of eform field)  
Description:  
This ap counts the total number of non-empty field {var\_name} in all the same eforms.  
Only value of the same eform (same fid) is retrieved, therefore eforms using this ap must have a field {var\_name}.  
Deleted eform data (fdid status=0) is excluded.

For example, to retrieve the total number of fields "bp" which are filled in all the same eforms

 oscarDB=**e$count#bp**

**var$value={var\_value}**  
  
Parameter: {var\_value} = (value of eform field)  
This ap works together with e$count to count the total number of fields {var\_name} which has the value {var\_value} in all the same forms.  
It has no effect when put together with e$first or e$last.

If {var\_value} contains space, it must be quoted ("...").  
{var\_value} can be a static value or be dynamic, see \*Dynamic var\_value\* for detail.

For example, to count the total number of field "resident" which has the value "Cheng, Ronnie" in all the same eforms

oscarDB=**e$count#resident var$value="Cheng, Ronnie"**

**ref${var\_name}**  
  
Parameter: {var\_name} = (name of eform field)  
This ap works together with e$count to count the total number of a certain field in the same forms which contains another non-empty field {var\_name}.  
It has no effect when put together with e$first or e$last.

For example to count the total number of field "resident" in all the same eforms which also have the field "observer" filled

oscarDB=e$count#resident ref$observer

**ref${var\_name}={var\_value}**  
  
Parameter: {var\_name} = (name of eform field)  
    {var\_value} = (value of eform field)  
This ap works together with e$count to count the total number of a certain field in the same forms which contains another  field {var\_name} with the value {var\_value}.  
It has no effect when put together with e$first or e$last.

If {var\_value} contains space, it must be quoted ("...").  
{var\_value} can be a static value or be dynamic, see \*Dynamic var\_value\* for detail.

For example, to count the total number of field "resident" in all the same eforms which also have field "observer"="Cheng, Ronnie"

oscarDB=e$count#resident ref$observer="Cheng, Ronnie"

**eform$name={eform\_name}**  
  
Parameter: {eform\_name} = (name of another eform)  
This ap works together with all e$ to retrieve values from another eform instead of the eform in use.  
NOTE: If more than one eforms have the same name, only the first one (smallest fid) is referenced.

For example, to count the total number of field "resident" in all the "Teaching Field Note" eforms which also have the field "observer" filled)

oscarDB=e$count#resident ref$observer eform$name="Teaching Field Note"

**oscarDB=o${table\_name}#{other\_id\_name}**  
  
Parameter: {table\_name} = appointment/patient  
    {other\_id\_name} = (name of the alternative id)  
Description:  
This ap retrieves alternative id from the other\_id table.  
Other\_id table stores alternative id for patient demographics and appointments. Mapping to more tables can be created in the future.  
For patient demographics alternative id, this ap references the demographic no of the current eform.  
For appointments alternative id, it references the appointment no parameter passed when calling eform from the appointment screen.  
NOTE: Appointments alternative id won't work if calling eform from "Search demographic".

For example, to retrieve an appointment alternative id named "mc\_number"

oscarDB=o$appointment#mc\_number

**\*Dynamic var\_value\***  
  
var\_value can be set to reference a field value in the eform. To use this, simply write a field name and surround it with a pair of brackets {}.  
NOTE: The var\_value reference is made once when the eform is loaded. Therefore, the field being referenced must have an initial value (value=... or oscarDB=...). User input to the referenced field will NOT change the var\_value.  
  
Example to count the total number of field "patient" in all the same eforms which has the value of field "patient" in this eform

<input name="patient" type="text" oscarDB=patient\_name>

<input name="total\_encounter" type="text" oscarDB=e$count#patient var$value={patient}>

Summary Template

Summary templates are defined in an eform to write a summary of the eform content into Oscar message, edoc or echart when the eform is submitted.

The template must be placed in comment <!-- ... -->

Special value tags are used to extract field values from eform.

**Template format:**

<!--

<template>

<document belong=provider|patient>

<docdesc>{document description}</docdesc>

<docowner>{document owner}</docowner>

<content>{content}</content>

</document>

<message>

<subject>{subject}</subject>

<sendto>{recipient1,recipient2,...}</sendto>

<content>{content}</content>

</message>

<encounternote>{content}</encounternote>

<socialhistory>{content}</socialhistory>

<familyhistory>{content}</familyhistory>

<medicalhistory>{content}</medicalhistory>

<ongoingconcerns>{content}</ongoingconcerns>

<riskfactors>{content}</riskfactors>

<reminders>{content}</reminders>

<othermeds>{content}</othermeds>

</template>

-->

Description:

Document template has a "belong=" attribute. If belong=provider, it is written as a provider document. If belong=patient, it is written as a patient document. The default is belong=provider.

The <docowner> entry must be a number. It is a provider\_no/demographic\_no. The default is the eform form\_provider/demographic\_no.

Message template <sendto> entry (ie recipient) must be one or more provider\_no. There is no default to this entry.

For all the echart templates (<encounternote>, <socialhistory>, etc.), a link to the eform is added to the echart alongside the summary.

**Value tags:**

Value tags can be used anywhere in the summary templates, if it suits the format requirements.

Value tags come in 2 types: $t{...} and $te{...}

**$t{...}**

Put a field name inside the bracket. The field value will be filled-in when eform is submitted.

If the field name does not exist in eform, the tag will be written as it is to the summary.

**$te{...}**

These are "eform attribute" tags. They can be one of the following:

$te{eform.name|eform.subject|eform.patient|eform.provider|eform.link|eform.html}

In place of $te{eform.html}, the complete html of the eform will be written, with the action statement removed.

In place of $te{eform.link}, a link to the eform will be written and the eform name will be shown.

NOTE: Tag $te{eform.link} does not work in message content. Also, it's not necessary in echart templates because a link will already be in place.

Example:

Eform "TESTING" source html:

<html>

<input type="text" name="resident" value="Cheng, Ronnie">

</html>

<!--

<template>

 <encounternote>

This is the eform $te{eform.link}, it belongs to resident $t{resident}.

 </encounternote>

</template>

-->

Summary:

This is the eform TESTING, it belongs to resident Cheng, Ronnie.

(\*The word TESTING is a link to the eform)