

***CAREWare PDI Data Elements
Specifications Document***

Prepared For:

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By:

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I. Overview

The PDI Access database provide a standard format for data that the CAREWare business tier can then use to populate the CAREWare database.

II. The File Format

Note that in the bulleted lists the Description/Comments column specifies CAREWare values.

1. Client Demographics

| Data Element | Req. ? | Description/Comment |
|--------------------|--------|---|
| Client Primary Key | Yes | Client Record Key |
| Client Id or SSN | X Yes | The ID that you use to identify clients. |
| Client Last Name | X Yes | |
| Client First Name | X Yes | |
| Client Middle Name | X No | |
| Street Address | X No | |
| City | X No | |
| State | X No | |
| County | No | |
| Zip | X Yes | |
| Phone | X No | |
| Date of Birth | X Yes | Full DOB is required. |
| Gender | X Yes | |
| Race | X No | |
| Hispanic | X Yes | Code for: <ul style="list-style-type: none"> • 0 - No • 1 - Yes • 9 - Unknown |
| Risk Factors | Yes | <ul style="list-style-type: none"> • Men who have Sex with Men; • Intravenous Drug Use • Heterosexual contact; • Hemophilia/coagulation disorder; • Perinatal transmission; • Receipt of transfusion of blood, blood components, or tissue; • Description of the "other" risk; |
| Vital Status | Yes | Code for: <ul style="list-style-type: none"> • 1 - Alive • 3 - Deceased • 4 - Unknown Enrollment Status now a separate value. |
| Date of Death | No | |
| Enrollment Status | Yes | Code for: <ul style="list-style-type: none"> • 1 - Active • 2 - Inactive/Case Closed • 9 - Unknown Vital Status now a separate value. |

| | | |
|---------------------------|-----|--|
| EnrollmentDate | No | |
| DateCaseClosed | No | |
| Hiv Status | Yes | Code for: <ul style="list-style-type: none"> • 1 - HIV-positive (not AIDS) • 2 - HIV-positive (AIDS status unknown), • 3 - CDC defined AIDS, • 4 - HIV-negative (affected), • 5 - HIV-indeterminate, or • 9 - Unknown |
| Hiv Date | No | The date on which the client was diagnosed HIV+. |
| Aids Date | No | The date on which the client was diagnosed with AIDS. |
| Date ART First Prescribed | No | |
| Pre ART Reason | No | Code for explanation of why client was not prescribed ART after diagnosed with HIV: <ul style="list-style-type: none"> • 1 - Treatment not medically indicated per guidelines, • 2 - Client not ready (as determined by clinician), • 3 - Client refused therapy, or • 4 - Other extenuating circumstances (e.g. inadequate insurance, ability to pay) |
| Allergies | No | Free text description of any allergies to medications. |
| Notes | No | |

3. Annual Review Data Elements

| Data Element | Req. ? | Description/Comment |
|---------------------|--------|--|
| Annual Review ID | Yes | Row Id for Annual Review record |
| Client Foreign Key | Yes | Client Id or Key value that has primary key in client demographics table |
| Annual Review Year | Yes | 4 digit year to which this annual review applies. |
| Household Size | Yes | 1-9999 |
| Household income | Yes | \$0.00 - \$999,999,999.99 |
| Housing Arrangement | Yes | Code for: <ul style="list-style-type: none"> • 0 - Permanently Housed • 1 - Non-permanently Housed • 2 - Institution • 3 - Other • 9 - Unknown/Unreported |
| Insurance Type | Yes | Code for: <ul style="list-style-type: none"> • 1 - Private • 2 - Medicare • 3 - Medicaid • 4 - Other public (e.g. Champus, VA) • 5 - No Insurance • 6 - Other • 9 - Unknown |
| Medical Care | Yes | Code for: |

| | | |
|---------------------------|-----|--|
| | | <ul style="list-style-type: none"> • 1 - Publicly-funded clinic or health dept. • 2 - Private practice • 3 - Hospital outpatient center • 4 - Emergency Room • 5 - No primary source of care • 8 - Other • 9 - Unknown |
| Substance Abuse history | Yes | Code for: <ul style="list-style-type: none"> • 0 - No • 1 - Yes, active history within last 3 months • 2 - Yes, but not active within last 3 months |
| Substance Abuse treatment | Yes | Code for: <ul style="list-style-type: none"> • 01 - In Treatment • 02 - Waiting list for treatment • 03 - Refused Treatment • 04 - Completed Treatment • 05 - Pre-treatment process • 06 - Dropped out of treatment • 07 - No active treatment or counseling • 08 - Other • 88 - Not applicable |
| Mental Health History | Yes | Code for: <ul style="list-style-type: none"> • 0 - No • 1 - Yes, active history within last 3 months • 2 - Yes, but not active within last 3 months |
| Mental Health Treatment | Yes | Code for: <ul style="list-style-type: none"> • 01 - In Treatment • 02 - Waiting list for treatment • 03 - Refused Treatment • 04 - Completed Treatment • 05 - Pre-treatment process • 06 - Dropped out of treatment • 07 - No active treatment or counseling • 08 - Other • 88 - Not applicable |

3. Service Data

| Data Element | Required? | Description/Comment |
|--------------------|-----------|--|
| Service ID | Yes | Row Id for service record |
| Client Foreign Key | Yes | Client Id or Key value that has primary key in client demographics table |
| Service Name | Yes | Service Label or description on the service provided to client |
| Service code | Yes | Code for the description of the service provided to the client. |
| Service date | Yes | |

| | | | |
|----------|---|-----|---|
| Quantity | X | Yes | |
| Price | X | Yes | Unit price. CAREWare multiplies this times quantity to calculate a total. |

4. Diagnosis data

| Data Element | | Req. ? | Description/Comment |
|---------------------------|---|--------|--|
| Diagnosis ID | | Yes | Row Id for service record |
| Client Foreign Key | X | Yes | Client Id or Key value that has primary key in client demographics table |
| Diagnoses Label | X | Yes | Name or description of diagnosis |
| Diagnosis Definition Code | X | Yes | Code for the specific diagnosis. |
| Diagnosis assessment | | No | Code for: <ul style="list-style-type: none"> • 1 - Definitive • 2 - Presumptive • 3 - Unknown |
| Diagnosis date | X | Yes | Date the diagnosis was given |
| Diagnosis comment | | No | Free text that can be used to supply additional information about the diagnosis. |

5. Medication data

| Data Element | | Req. ? | Description/Comment |
|-----------------------|---|--------|---|
| Medication Record ID | | Yes | Row Id for Medication record |
| Client Foreign Key | X | Yes | Client Id or Key value that has primary key in client demographics table |
| Medication Name | X | Yes | Name or description of medication provided |
| Medication code | | Yes | Code for the description of the medication provided. |
| Medication units | | No | |
| Medication strength | X | No | |
| Medication frequency | X | No | <ul style="list-style-type: none"> • 01 – qd • 02 – bid • 03 – tid • 04 – qid • 05 – prn • 06 – qw • 07 – biw • 08 – tiw • 09 – qow • 10 – qod • 11 – qh • 12 – qhs • 13 – qm • 14 – q6h • 15 – q12h |
| Medication start date | X | Yes | |
| Medication end date | X | No | Null for continuing medication. |
| Medication indication | | No | Code for: <ul style="list-style-type: none"> • 01 – ART • 02 – OI Prophylaxis |

| | | |
|-------------------------------|----|---|
| | | <ul style="list-style-type: none"> • 03 – OI Treatment • 99 - Other |
| Medication prophylaxis | No | Code for: <ul style="list-style-type: none"> • 01 – Pneumocytis carinii pneumonia (PCP) • 02 – M. avium complex (mac) • 03 – M. tuberculosis (Mtb) • 04 – Candida • 05 – Cytomegalovirus (CMV) • 06 – Toxoplasma gondii • 07 – Varicella zoster virus (VZV) • 08 - Other |
| Medication discontinue reason | No | Code for: <ul style="list-style-type: none"> • 01 – Virologic Failure • 02 – toxicity • 03 – Intolerance • 04 – Lost to Followup • 05 – Dose change • 06 – Other • 07 – Unknown • 08 – Improved immune function • 10 - Stock out/supply disruption • 11 – Managed treatment interruption • 12 – non-adherent • 13 – Immunologic failure • 14 – Pregnant • 15 – Risk of pregnancy • 16 – Newly diagnosed TB • 17 – Availability of new drug • 18 – illness or hospitalization • 19 – Patient lacks sufficient financial resources • 20 – Patient decision |
| Medication comment | No | Free text that can be used to supply additional information about the medication. |

6. Pregnancy Data

| Data Element | Req. ? | Description/Comment |
|-------------------------------------|--------|--|
| Pregnancy Record ID | Yes | Row Id for Pregnancy record |
| Client Foreign Key | Yes | Client Id or Key value that has primary key in client demographics table |
| Pregnancy Estimated conception date | Yes | Estimated date of conception. |
| Pregnancy Prenatal care date | No | Date prenatal care began for this pregnancy. |
| Pregnancy Prenatal visits | No | Number of prenatal visits during this pregnancy. |
| Pregnancy Prenatal ART counsel | No | Was client counseled for ART? Code for: <ul style="list-style-type: none"> • 0 - No • 1 - yes • 9 - Unknown |

| | | |
|--------------------------------|----|--|
| Pregnancy Prenatal ART offered | No | Was ART offered to the client? Code for: <ul style="list-style-type: none"> • 0 - No • 1 - yes • 9 - Unknown |
| Pregnancy Prenatal ART taken | No | Was ART taken? Code for: <ul style="list-style-type: none"> • 0 - No • 1 - yes • 9 - Unknown |
| Pregnancy Prenatal ART date | No | Date ART was started. |
| Pregnancy outcome | No | Code for: <ul style="list-style-type: none"> • 01 - Live Birth • 02 - Therapeutic (induced) abortion • 03 - Spontaneous abortion (miscarriage) • 04 - Stillbirth • 05 - Unknown |
| Pregnancy delivery date | No | |
| Pregnancy newborn status | No | HIV Status of newborn. Code for: <ul style="list-style-type: none"> • 0 - Negative • 1 - Positive • 2 - Indeterminate • 9 - Unknown/unreported |

7. Lab Results Data

| Data Element | Req. ? | Description/Comment |
|-----------------------|--------|---|
| Lab Results Record ID | Yes | Row Id for Lab Results record |
| Client Foreign Key | Yes | Client Id or Key value that has primary key in client demographics table |
| Test Label | X | Yes |
| Test definition code | X | Yes |
| Test date | X | Yes |
| Test comment | No | Free text that can be used to supply additional information about the test. |
| Test result | X | Yes |

Note: If you have any questions please contact us at (313) 492-2327 or email at ehisllc@gmail.com

Sarah

It was pleasure discussing options for interfacing CAREWare with GE's EMR. Please find below the information you can post to GE and State of IOWA.

GE:

a. We would like the data elements identified in attached document to be exported in HL7 or Flat File or XML or excel,so we can use it to upload to CAREWare.

State of IOWA:

a. We will be using Provider Data import functionality in CAREWare to upload data from PDI template database to CAREWare for our provider domain. Currently this feature in CAREWare is only accessible to central admin users. In future this feature could be available to users for provider domain level and we would like to have access to this feature so we can upload the data to CAREWare.

After you get response from GE, i can provide you the quote based on the format they will be giving the data. If you feel necessary for me to be involved in any discussions in regards to interfacing EMR with CAREWare please let me know and i will be happy to assist you.

Thanks

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