CDAR2_IG_CCDA_ODH_R1_O1_2016MAY

HL7 CDA® R2 Implementation Guide: Social History Occupational Data Health, Release 1

May 2016

HL7 Comment-Only Ballot

Sponsored by:
Structured Documents Work Group
Public Health and Emergency Response Work Group

Copyright © 2016 Health Level Seven International ® ALL RIGHTS RESERVED. The reproduction of this material in any form is strictly forbidden without the written permission of the publisher. HL7 and Health Level Seven are registered trademarks of Health Level Seven International. Reg. U.S. Pat & TM Off.

Use of this material is governed by HL7's **IP Compliance Policy**.

IMPORTANT NOTES:
HL7 licenses its standards and select IP free of charge. **If you did not acquire a free license from HL7 for this document,** you are not authorized to access or make any use of it. To obtain a free license, please visit http://www.HL7.org/implement/standards/index.cfm.
If you are the individual that obtained the license for this HL7 Standard, specification or other freely licensed work (in each and every instance "Specified Material"), the following describes the permitted uses of the Material.
A. HL7 INDIVIDUAL, STUDENT AND HEALTH PROFESSIONAL MEMBERS, who register and agree to the terms of HL7's license, are authorized, without additional charge, to read, and to use Specified Material to develop and sell products and services that implement, but do not directly incorporate, the Specified Material in whole or in part without paying license fees to HL7.
INDIVIDUAL, STUDENT AND HEALTH PROFESSIONAL MEMBERS wishing to incorporate additional items of Special Material in whole or part, into products and services, or to enjoy additional authorizations granted to HL7 ORGANIZATIONAL MEMBERS as noted below, must become ORGANIZATIONAL MEMBERS of HL7.
B. HL7 ORGANIZATION MEMBERS, who register and agree to the terms of HL7's License, are authorized, without additional charge, on a perpetual (except as provided for in the full license terms governing the Material), non-exclusive and worldwide basis, the right to (a) download, copy (for internal purposes only) and share this Material with your employees and consultants for study purposes, and (b) utilize the Material for the purpose of developing, making, having made, using, marketing, importing, offering to sell or license, and selling or licensing, and to otherwise distribute, Compliant Products, in all cases subject to the conditions set forth in this Agreement and any relevant patent and other intellectual property rights of third parties (which may include members of HL7). No other license, sublicense, or other rights of any kind are granted under this Agreement.
C. NON-MEMBERS, who register and agree to the terms of HL7's IP policy for Specified Material, are authorized, without additional charge, to read and use the Specified Material for evaluating whether to implement, or in implementing, the Specified Material, and to use Specified Material to develop and sell products and services that implement, but do not directly incorporate, the Specified Material in whole or in part.
NON-MEMBERS wishing to incorporate additional items of Specified Material in whole or part, into products and services, or to enjoy the additional authorizations granted to HL7 ORGANIZATIONAL MEMBERS, as noted above, must become ORGANIZATIONAL MEMBERS of HL7.

Please see http://www.HL7.org/legal/ippolicy.cfm for the full license terms governing the Material.

Ownership. Licensee agrees and acknowledges that **HL7 owns** all right, title, and interest, in and to the Materials. Licensee shall **take no action contrary to, or inconsistent with**, the foregoing.

Licensee agrees and acknowledges that HL7 may not own all right, title, and interest, in and to the Materials and that the Materials may contain and/or reference intellectual property owned by third parties ("Third Party IP"). Acceptance of these License Terms does not grant Licensee any rights with respect to Third Party IP. Licensee alone is responsible for identifying and obtaining any necessary licenses or authorizations to utilize Third Party IP in connection with the Materials or otherwise. Any actions, claims or suits brought by a third party resulting from a breach of any Third Party IP right by the Licensee remains the Licensee's liability.

Following is a non-exhaustive list of third-party terminologies that may require a separate license:

Terminology	**Owner/Contact**
Current Procedures Terminology (CPT) code set	American Medical Association http://www.ama-assn.org/ama/pub/physician-resources/solutions-managing-your-practice/coding-billing-insurance/cpt/cpt-products-services/licensing.page?
SNOMED CT	International Healthcare Terminology Standards Developing Organization (IHTSDO) http://www.ihtsdo.org/snomed-ct/get-snomed-ct or info@ihtsdo.org
Logical Observation Identifiers Names & Codes (LOINC)	Regenstrief Institute
International Classification of Diseases (ICD) codes	World Health Organization (WHO)
NUCC Health Care Provider Taxonomy code set	American Medical Association. Please see 222.nucc.org. AMA licensing contact: 312-464-5022 (AMA IP services)

© 2016 Health Level Seven International. All rights reserved.

Introduction 3
1 Occupational Data for Health Section <74166-0> 3
1.1 Occupational Data For Health Organizer 4
1.2 Employment Status Organizer 5
1.3 History of Current Occupation and Industry Organizer 6
1.4 Usual Occupation and Industry Organizer 7
1.5 Employment Status Observation Entry 7
1.6 Occupation Observation Entry 8
1.7 Work Schedule Observation Entry 9
1.8 Usual Occupation and Industry Observation Entry 10
1.9 Usual Occupation Duration Entry 11
1.10 Usual Industry Duration Entry 11
1.11 Weekly Work Days Observation Entry 12

Introduction

This ballot for comment is phase I of a two-phased approach. We are seeking comment on the introduced data elements which serve to incorporate patient-specific work information in the social history section of a C-CDA document. This section-level template, called the Occupational Data for Health Section, is introduced as a sub-section to the social history section.

We are seeking feedback on the proposed template and the included occupation data—this includes the addition of and reference to ICD-10-CM external cause codes: specifically, codes within the range V00 – Y99.

The current state of this template represents changes made based on feedback from the community from the various task force meetings that were held on this topic. We present these proposed additions in order to facilitate the future integration of the template into the C-CDA implementation.

1 Occupational Data for Health Section <74166-0>

[section: templateId 1.3.6.1.4.1.19376.1.5.3.1.3.37 (open)]

The Occupational Data for Health section describes aspects of the employment history that are relevant to care. It can contain the current employment status, the history of current employment, which may include the employer, and the usual (longest-held) job.

1. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.3.37".
2. **SHALL** contain exactly one [1..1] **code/@code**="74166-0" Occupational summary note (CodeSystem: LOINC 2.16.840.1.113883.6.1).
3. **SHALL** contain exactly one [1..1] **title** .
4. **SHALL** contain exactly one [1..1] **text**.
5. **MAY** contain zero or one [0..1] **entry** such that it
    a. **SHALL** contain exactly one [1..1] 1.3.6.1.4.1.19376.1.5.3.1.4.20 **Occupational Data For Health Organizer**.

© 2016 Health Level Seven International. All rights reserved.

```
<section>
…
<!-- Sub section for Occupational Data For Health -->
<component>
       <section>
              <templateId root="2.16.840.1.113883.10.20.22.2.17"/>
              <!-- ODH SECTION TEMPLATE ID-->
              <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.37"/>
              <code code="74166-0" codeSystem="2.16.840.1.113883.6.1"
codeSystemVersion="0" codeSystemName="LOINC" displayName="Occupational

Data for Health"/>
              <text>...</text>
              <entry>
                     :
                     <!-- ODH ORGANIZER ENTRY TEMPLATE ID-->
                     <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.20"/>
                     <entry>
                            :
                            <!-- EMPLOYMENT STATUS ORGANIZER TEMPLATE ID-->
                            <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.20.1"/>
                            :
                            <!-- HISTORY OF CURRENT OCCUPATION AND INDUSTRY
ORGANIZER TEMPLATE ID -->
                            <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.20.2"/>
                            :
                            <!-- USUAL OCCUPATION AND INDUSTRY ORGANIZER TEMPLATE
ID -->
                            <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.20.3"/>
                     </entry>
              </entry>
       </section>
</component>
…
</section>
```

Figure 6.3.3.10.5-1: Occupational Data for Health Section example

1.1 Occupational Data For Health Organizer

`[organizer: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20 (open)]`

An Occupational Data for Health Organizer is a clinical statement about the subject's employment status, history of work information (which includes current occupation and industry), and usual (longest-held) job described as a standard structure so that information about multiple jobs can be accommodated.

1. **SHALL** contain exactly one [1..1] **`@classCode`**="`CLUSTER`" CLUSTER (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **`@moodCode`**="`EVN`" Event (CodeSystem: `ActMood 2.16.840.1.113883.5.1001`).
3. **SHALL** contain exactly one [1..1] **`templateId`** such that it

© 2016 Health Level Seven International. All rights reserved.

    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20".
4. **SHALL** contain at least one [1..*] **id**.
    a. The first id represents this specific globally unique occupational data for health organizer.
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74166-0 (Occupational Data for Health) from LOINC (codeSystem 2.16.840.1.113883.6.1).
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" Completed (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **effectiveTime**.
    a. Where EffectiveTime/low SHALL represent the earliest point in time for any occupation data in the organizer.
    b. Where effectiveTime/high SHALL represent the latest point in time for any occupation data in the organizer, consequently the last point in time when information in the organizer was updated.
8. **MAY** contain zero or one [0..1] **component**.
    a. The component/@typeCode **SHALL** be "COMP".
    b. The sequenceNumber **SHALL** be 1.
    c. **SHALL** contain exactly one [1..1] **Employment Status Organizer** (1.3.6.1.4.1.19376.1.5.3.1.4.20.1).
9. **MAY** contain zero or one [0..1] **component**.
    a. The component/@typeCode **SHALL** be "COMP".
    b. The sequenceNumber **SHALL** be 2.
    c. **SHALL** contain exactly one [1..1] **Usual Occupation and Industry Organizer** (1.3.6.1.4.1.19376.1.5.3.1.4.20.2).
10. **SHOULD** contain zero or one [0..1] **component**.
    a. The component/@typeCode **SHALL** be "COMP".
    b. The sequenceNumber **SHALL** be 3.
    c. **SHALL** contain exactly one [1..1] **History of Current Occupation and Industry Organizer** (1.3.6.1.4.1.19376.1.5.3.1.4.20.3).

1.2 Employment Status Organizer

[organizer: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.1 (open)]

An Employment Status Organizer holds clinical statements about the subject's employment status(es) over time.

1. **SHALL** contain exactly one [1..1] **@classCode**="CLUSTER" CLUSTER (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.1".
4. **SHALL** contain at least one [1..*] **id**.

© 2016 Health Level Seven International. All rights reserved.

a. The first id represents this specific globally unique employment status organizer.

5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74165-2 (History of Employment Status) from LOINC (codeSystem 2.16.840.1.113883.6.1).
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" Completed (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **effectiveTime**.
    a. Where EffectiveTime/low SHALL represent the earliest point in time for any data in the organizer.
    b. Where effectiveTime/high SHALL represent the latest point in time for any data in the organizer, consequently the last point in time when information in the organizer was updated.
8. **SHALL** contain one or more [1..*] **component**.
    a. The component/@typeCode **SHALL** be "COMP".
    b. **SHALL** contain exactly one [1..1] **Employment Status Observation** (1.3.6.1.4.1.19376.1.5.3.1.4.20.4).

1.3 History of Current Occupation and Industry Organizer

[organizer: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.3 (open)]

A History of Current Occupation and Industry Organizer holds clinical statements about the subject's specific job(s) over time.

1. **SHALL** contain exactly one [1..1] **@classCode**="CLUSTER" CLUSTER (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.3".
4. **SHALL** contain at least one [1..*] **id**.
    a. The first id represents this specific globally unique History of Occupation organizer.
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 11340-7 (History of Occupation) from LOINC.
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" Completed (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **effectiveTime**.
    a. represents the point in time that the most recent Occupation Observation component entry was added.
8. **SHALL** contain one or more [1..*] **component**.
    a. The component/@typeCode **SHALL** be "COMP".
    b. **SHALL** contain exactly one [1..1] **Occupation Observation** (1.3.6.1.4.1.19376.1.5.3.1.4.20.6).

© 2016 Health Level Seven International. All rights reserved.

1.4 Usual Occupation and Industry Organizer

`[organizer: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.2 (open)]`

A Usual Occupation Organizer holds clinical statements about the subject's usual occupation and usual industry.

1. **SHALL** contain exactly one [1..1] **@classCode**="CLUSTER" CLUSTER (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.2".
4. **SHALL** contain at least one [1..*] **id**.
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74164-5 (History of Usual Occupation) from LOINC.
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **effectiveTime**.
    a. Where EffectiveTime/low SHALL represent the earliest point in time for any data in the organizer.
    b. Where effectiveTime/high SHALL represent the latest point in time for any data in the organizer, consequently the last point in time when information in the organizer was updated.
8. **SHALL** contain one or more [1..*] **component**.
    a. The component/@typeCode **SHALL** be "COMP".
    b. **SHALL** contain exactly one or more [1..*] **Usual Occupation and Industry Observation** (1.3.6.1.4.1.19376.1.5.3.1.4.20.5).

1.5 Employment Status Observation Entry

`[observation: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.4 (open)]`

An Employment Status Observation Entry is a clinical statement about the subject's employment status at the point in time the statement is recorded.

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.4".
4. **SHALL** contain at least one [1..*] **id**.

© 2016 Health Level Seven International. All rights reserved.

5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74165-2 (History of Employment Status) from LOINC (codeSystem 2.16.840.1.113883.6.1).
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **effectiveTime**.
    a. This effectiveTime **MAY** contain exactly one [1..1] **low**.
        i. If the starting time is unknown, the <low> element **SHALL** have the nullFlavor attribute set to UNK.
    b. This effectiveTime **SHALL** contain exactly one [1..1] **high**.
        i. The ending time <high> element **SHALL** not be greater than the time the observation is made.
8. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD"
    a. This value **SHALL** be selected from Concept Domain CD_EmploymentStatus.

1.6 Occupation Observation Entry

[observation: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.6 (open)]

An Occupation Observation Entry is a clinical statement about the type of occupation which the subject currently holds or has held in the past. It includes observations about the type of business (industry) in which that occupation is performed, and the employer and employer's address for that occupation. The entry is designed to ensure that these data remain associated with one-another, even if multiple jobs are included.

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.6".
4. **SHALL** contain at least one [1..*] **id**.
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 11340-7 (History of Occupation) from LOINC (codeSystem 2.16.840.1.113883.6.1).
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **effectiveTime**.
    a. This effectiveTime **SHOULD** contain exactly one [1..1] **low**.
        i. If the starting time is unknown, the <low> element **SHALL** have the nullFlavor attribute set to UNK.
    b. This effectiveTime **SHALL** contain exactly one [1..1] **high**.
        i. The ending time <high> element **SHALL** not be greater than the time the observation is made.
8. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD"

© 2016 Health Level Seven International. All rights reserved.

a. This value **SHALL** be selected from Concept Domain CD_OccupationCode.

9. **SHALL** contain exactly one [1..1] **participant** such that it
    a. **SHALL** contain exactly one [1..1] **@typeCode**="IND"
    b. **SHALL** contain exactly one [1..1] **participantRole**
        i. Which **SHALL** contain exactly one [1..1] **@classCode**="ROL" (CodeSystem: RoleCode 2.16.840.1.113883.5.111 **STATIC**).
        ii. Which **SHALL** contain exactly one [1..1] **id**
            1. Such that the id **SHALL** reference the id of an AssociatedEntity in the header which **SHALL** contain exactly one [1..1] **templateId** such that it **SHALL** contain exactly one [1..1] **@root**=" 1.3.6.1.4.1.19376.1.5.3.1.2.2" (IHE Employer and School Contacts template).
            2. The AssociatedEntity **SHALL** contain exactly one [1..1] name.
            3. The AssociatedEntity **SHALL** contain exactly one [1..1] addr.
            4. The AssociatedEntity/scopingOrganization shall contain exactly one [1..1] standardIndustryClassCode which:
                a. **SHALL** be selected from Concept Domain CD_IndustryCode

10. **SHOULD** contain zero or one [0..1] **entryRelationship** such that it
    a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002 **STATIC**).
    b. **SHALL** contain exactly one [1..1] Work Schedule Observation (1.3.6.1.4.1.19376.1.5.3.1.4.20.7).

1.7 Work Schedule Observation Entry

[observation: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.7 (open)]

A clinical statement about the schedule, "shift", or typical time within a work-day in which a person is scheduled to perform their duties.

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.7".
4. **SHALL** contain at least one [1..*] **id**.
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74159-5 (Workshift) from LOINC.
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" Completed (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD".
    a. This value **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from Concept Domain CD_EmploymentStatus

© 2016 Health Level Seven International. All rights reserved.

1.8 Usual Occupation and Industry Observation Entry

`[observation: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.5 (open)]`

A Usual Occupation and Industry Observation Entry is a clinical statement about the type of occupation which the subject has held for the longest duration through his or her working history, at the point in time the statement is recorded, and the industry in which the subject has been employed the longest. It optionally includes the duration for each.

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.5".
4. **SHALL** contain at least one [1..*] **id**.
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74164-5 (Usual Occupation and Industry Hx) from LOINC (codeSystem 2.16.840.1.113883.6.1).
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **effectiveTime**.
    a. Such that the effectiveTime **SHALL** be used to represent the date that the observation is collected.
8. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD"
    a. This value **SHALL** be selected from Concept Domain CD_OccupationCode.
9. **SHALL** contain exactly one [1..1] **participant** such that it
    a. **SHALL** contain exactly one [1..1] **@typeCode**="IND"
    b. **SHALL** contain exactly one [1..1] **participantRole**
        i. Which **SHALL** contain exactly one [1..1] **@classCode**="ROL" (CodeSystem: RoleCode 2.16.840.1.113883.5.111 **STATIC**).
        ii. Which **SHALL** contain exactly one [1..1] **id**
            1. Such that the id **SHALL** reference the id of an participant/AssociatedEntity in the header which **SHALL** contain exactly one [1..1] **templateId** such that it **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.2.2" (IHE Employer and School Contacts template).
            2. The AssociatedEntity/scopingOrganization shall contain exactly one [1..1] standardIndustryClassCode which:
                a. **SHALL** be selected from Concept Domain CD_IndustryCode
10. **SHOULD** contain zero or one [0..1] **entryRelationship** such that it

© 2016 Health Level Seven International. All rights reserved.

a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002 **STATIC**).
b. **SHALL** contain exactly one [1..1] Usual Occupation Duration Observation (1.3.6.1.4.1.19376.1.5.3.1.4.20.9).

11. **SHOULD** contain zero or one [0..1] **entryRelationship** such that it
    a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002 **STATIC**).
    b. **SHALL** contain exactly one [1..1] Usual Industry Duration Observation (1.3.6.1.4.1.19376.1.5.3.1.4.20.10).

1.9 Usual Occupation Duration Entry

[observation: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.9 (open)]

A Usual Occupation Duration Entry is a clinical statement about the quantity of time a person spent in the occupation they held the longest over the course of their career.

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.9".
4. **SHALL** contain at least one [1..*] **id**.
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74163-7 (Usual Occupation Duration) from LOINC.
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" Completed (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **value** with @xsi:type="PQ".
    a. This value **SHALL** contain exactly one [1..1] **@unit**, which **SHALL** include duration-related units from value set UCUM 2.16.840.1.113883.1.11.12839.

1.10 Usual Industry Duration Entry

[observation: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.10 (open)]

A Usual Industry Duration Entry is a clinical statement about the quantity of time a person spent in a particular industry in which they worked for the longest over the course of their career.

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001).

© 2016 Health Level Seven International. All rights reserved.

3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.10".
4. **SHALL** contain at least one [1..*] **id** .
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74162-9 (Usual Industry Duration) from LOINC.
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" Completed (CodeSystem: ActStatus 2.16.840.1.113883.5.14) .
7. **SHALL** contain exactly one [1..1] **value** with @xsi:type="PQ".
    a. This value **SHALL** contain exactly one [1..1] **@unit**, which **SHALL** include duration-related units from value set UCUM 2.16.840.1.113883.1.11.12839.

1.11 Weekly Work Days Observation Entry

[observation: templateId 1.3.6.1.4.1.19376.1.5.3.1.4.20.11 (open)]

A clinical statement about the typical number of days per week that a person spends performing their duties for work.

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: ActMood 2.16.840.1.113883.5.1001) .
3. **SHALL** contain exactly one [1..1] **templateId** such that it
    a. **SHALL** contain exactly one [1..1] **@root**="1.3.6.1.4.1.19376.1.5.3.1.4.20.11".
4. **SHALL** contain at least one [1..*] **id**.
5. **SHALL** contain exactly one [1..1] **code**.
    a. **SHALL** be 74160-3 (Weekly Work Days) from LOINC.
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" Completed (CodeSystem: ActStatus 2.16.840.1.113883.5.14).
7. **SHALL** contain exactly one [1..1] **value** with @xsi:type="INT".
    a. This value **SHALL** contain exactly one [1..1] **@value**, which represents the number of days in a week that a person usually works.

© 2016 Health Level Seven International. All rights reserved.