WCIS Data Quality Report, May 2008

WCIS created 10,061,647 acknowledgment records from May 2006 to May 2008.¹

Almost all FROI submissions were accepted (Table 1, Chart 1a):

- 77% of FROI acknowledgments accepted the data (TA).
- 18% of FROI acknowledgments accepted the data with error (TE).
- Only 5% of FROI acknowledgments rejected the data (TR).

SROI data submissions could use some improvement as 28% were rejected (Table 1, Chart 1b):

- 45% of SROI acknowledgments accepted the data (TA).
- 27% of SROI acknowledgments accepted the data with error (TE).
- 28% of SROI acknowledgments rejected the data (TR).²

| Table 1 |
|-----------------|-----------------|-----------------|-----------------|-----------------|
|                | ACCEPTED (TA)   | ACCEPTED with ERROR (TE) | REJECTED (TR) | TOTAL           |
| FROI           | 2,935,599       | 682,528           | 190,687        | 3,808,814       |
| SROI           | 2,808,714       | 1,699,707         | 1,744,412      | 6,252,833       |
| FROI + SROI    | 5,744,313       | 2,382,235         | 1,935,099      | 10,061,647      |

FROI 77% 18% 5% 100%
SROI 45% 27% 28% 100%
FROI + SROI 57% 24% 19% 100%

By data element, percentages of rejections:

- For FROI (Chart 2a), maintenance type code accounts for 79% and insurer FEIN for 17% of rejections.
- For SROI rejections (Chart 2b), maintenance type code accounts for 46%; date of injury (46%); payment/adjustment start and end dates (6%).

By data element, percentages of “accepted with error:”

- For FROI “accepted with error” (Chart 3a), claim administrator postal code accounts for 22%, class code (16%), industry code (15%) and postal code of injury site (13%).
- For SROI “accepted with error” (Chart 3b), wage period accounts for 47%; date of maximum medical improvement (19%); and date disability began (16%).

¹ There were 3,457,224 unique JCNs associated with these acknowledgment records.
² One sender is responsible for half of the SROI rejections. We are working with that trading partner to correct their errors.
WCIS Acknowledgment Records: %TA, %TE, %TR

Chart 1a

FROI Acknowledgment Records

<table>
<thead>
<tr>
<th>Category</th>
<th>Records</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepted</td>
<td>2,935,599</td>
<td>77%</td>
</tr>
<tr>
<td>Accepted with Error</td>
<td>682,528</td>
<td>18%</td>
</tr>
<tr>
<td>Rejected</td>
<td>190,687</td>
<td>5%</td>
</tr>
</tbody>
</table>

Chart 1b

SROI Acknowledgment Records

<table>
<thead>
<tr>
<th>Category</th>
<th>Records</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepted</td>
<td>2,808,714</td>
<td>45%</td>
</tr>
<tr>
<td>Accepted with Error</td>
<td>1,699,707</td>
<td>27%</td>
</tr>
<tr>
<td>Rejected</td>
<td>1,744,412</td>
<td>28%</td>
</tr>
</tbody>
</table>
WCIS Acknowledgment Records by Data Element, Rejected

Chart 2a

FROI - REJECTED (TR)

- Date Of Injury 1,126 (1%)
- TPA FEIN 3,224 (2%)
- Insurer Fein 31,969 (17%)
- Insurer Name 766 (0%)
- Other 1,347 (1%)
- Maintenance Type Code 152,255 (79%)

Chart 2b

SROI - REJECTED (TR)

- Date Of Injury 805,438 (46%)
- Payment/Adjustment Start Date 63,553 (4%)
- Payment/Adjustment End Date 29,592 (2%)
- Payment/Adjustment Code 19,466 (1%)
- Insurer Fein 24,694 (1%)
- Other 6,315 (0%)
- Maintenance Type Code 795,354 (46%)
WCIS Acknowledgment Records by Data Element, Accepted with Error

Chart 3a

FROI - ACCEPTED WITH ERROR (TE)

- Employer FEIN: 22,835 (3%)
- Employee Date of Birth: 31,168 (5%)
- Employer Postal Code: 39,240 (6%)
- Occupation Description: 41,253 (6%)
- Date Reported to Employer: 47,886 (7%)
- Postal Code of Injury Site: 85,520 (13%)
- Nature of Injury Code: 14,842 (2%)
- Class Code: 109,961 (16%)
- Industry Code: 100,622 (15%)
- Claim Administrator Postal Code: 156,836 (22%)
- Other: 24,988 (4%)

Chart 3b

SROI - ACCEPTED WITH ERROR (TE)

- Date Return/Release to Work: 27,395 (2%)
- # Permanent Impairments: 96,991 (6%)
- Employee SSN: 106,156 (6%)
- Date Disability Began: 279,955 (16%)
- Date of Maximum Medical Improvement: 317,123 (19%)
- Permanent Impairment Percentage: 20,777 (1%)
- Return to Work Qualifier: 14,567 (1%)
- Wage: 12,348 (1%)
- Other: 16,440 (1%)
- Wage Period: 807,955 (47%)
WCIS Acknowledgment Records by Validation Edit

By WCIS Validation Edit, percentages of rejections are shown for FROI (Chart 4a) and SROI (Chart 4b):

- For FROI rejections, 65% are duplicate FROI submissions and 12% are data-type conversion errors.  
- For SROI rejections, 48% are data-type conversion and 45% are SROI sequencing errors.

Percentages of “accepted with error” are shown for FROI (Chart 4c) and SROI (Chart 4d):

- For FROI “accepted with error,” 84% are due to FROI serious and 15% are data-type conversion.
- For SROI “accepted with error,” 48% are FROI serious, 42% are data-type conversion and 8% are SROI serious.

WCIS Acknowledgment Records by Error Message

By WCIS Error Message, percentages of rejections are shown for FROI (Chart 5a) and SROI (Chart 5b):

- For FROI rejections, 66% are duplicate FROI submissions and 13% are no matching FROI.
- For SROI rejections, 47% are invalid dates (not CCYYMMDD) and 42% are invalid event/sequence relationships.

Percentages of “accepted with error” are shown for FROI (Chart 5c) and SROI (Chart 5d):

- For FROI “accepted with error,” 48% are invalid on the zip code table, 16% are invalid class codes and 15% are invalid industry codes.
- For SROI “accepted with error,” 48% are invalid wage period codes and 35% are invalid dates (not CCYYMMDD).

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3 The validation edit “data-type conversion error” includes two error messages: 028 Must be numeric and 029 Must be a valid date (CCYYMMDD). Data elements included in the “data-type conversion error” category include: Insurer FEIN, Employer FEIN, Claim administrator FEIN, MTC date, Date of injury, Date reported to employer, Date reported to claim administrator, Employee social security number, Employee date of birth, Number of dependents, Date disability began, Employee date of death, Wage, Date of MMI, Date of return/release to work, Payment/adjustment paid to date, and Payment/adjustment start and end dates.
WCIS Acknowledgment Records by Validation Edit, Rejected

Chart 4a

FROI - REJECTED (TR)

- Duplicate FROI: 123,897 (65%)
- Unmatching JCN: 11,079 (6%)
- WCIS_TP_Profile_Check: 12,330 (6%)
- Data-type Conversion: 23,107 (12%)
- FROI Sequence: 11,389 (6%)
- Other: 8,885 (5%)

Chart 4b

SROI - REJECTED (TR)

- Data-type Conversion: 842,678 (48%)
- SROI Sequence: 776,999 (45%)
- WCIS_TP_Profile_Check: 20,519 (1%)
- SROI Sequence: 776,999 (45%)
- Cross Validation: 66,045 (4%)
- Duplicate SROI: 17,016 (1%)
- Unmatching JCN: 15,434 (1%)
- Other: 5,721 (0%)
WCIS Acknowledgment Records by Validation Edit, Accepted with Error

**Chart 4c**

**FROI - ACCEPTED WITH ERROR (TE)**

- Data-type Conversion: 101,815 (15%)
- Cross Validation: 7,267 (1%)
- FROI Serious: 573,446 (84%)

**Chart 4d**

**SROI - ACCEPTED WITH ERROR (TE)**

- Data-type Conversion: 716,024 (42%)
- Cross Validation: 27,447 (2%)
- SROI Serious: 143,579 (8%)
- FROI Serious: 812,657 (48%)
WCIS Acknowledgment Records by Error Message, Rejected

Chart 5a

FROI - REJECTED (TR)

- Duplicate First Report: 123,897 (66%)
- No matching FROI: 25,632 (13%)
- Invalid event sequence/relationship: 2,708 (1%)
- Must be numeric: 22,867 (12%)
- Must be >= Date Disability Began: 63,573 (4%)
- Invalid event sequence/relationship: 728,007 (42%)

Chart 5b

SROI - REJECTED (TR)

- No matching FROI: 26,414 (2%)
- Event Criteria not met: 36,820 (2%)
- Must be a valid date: 833,581 (47%)
- No match on database: 20,519 (1%)
- Other: 35,498 (2%)

Division of Workers’ Compensation, Research Unit
California Department of Industrial Relations
WCIS Acknowledgment Records by Error Message, Accepted with Error

**Chart 5c**

**FROI - ACCEPTED WITH ERROR (TE)**

- Class Code Invalid: 109,961 (16%)
- Gender Code Invalid: 14,842 (2%)
- Industry Code Invalid: 100,622 (15%)
- Must be valid on Zip Code Table: 281,596 (41%)
- Other: 31,467 (5%)
- Must be numeric: 26,734 (4%)
- Mandatory field not present: 42,225 (6%)
- Must be a valid date: 75,081 (11%)

**Chart 5d**

**SROI - ACCEPTED WITH ERROR (TE)**

- Wage Period Code Invalid: 807,955 (48%)
- Must be <= MTC date: 22,691 (1%)
- RTW Qualifier Code invalid: 14,567 (1%)
- Required segment not present: 96,991 (6%)
- Must be numeric: 139,453 (8%)
- Other: 20,702 (1%)
- Must be a valid date: 597,348 (35%)