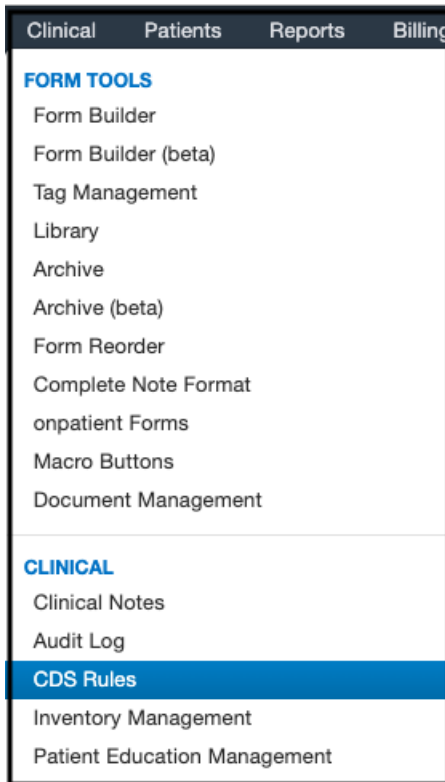


# Clinical Decision Support (CDS) Rules

07/24/2024 1:15 pm EDT

DrChrono includes several default Clinical Decision Support rules that can be found under **Clinical > CDS Rules**. You can also [make your own CDS rules](#) here to use in your DrChrono account.



You can view and edit custom CDS rules you have created on the top part of the screen. The hardcoded CDS Rules can be seen below.

## Clinical Decision Support Rules

[View CDS Rules](#) [Add New Custom CDS Rule](#)

### Custom CDS Rules

For Stage 2 of Meaningful Use, you need a total of 5 active CDS rules (including hardcoded rules) active for your 90 day 2014 MU attestation period. Only 1 active CDS rule is required for Stage 1 of Meaningful Use.

| ID      | Provider   | Staff Visibility | Description   | Care Info  | Developer | Bibliography | Funding | Release Date | Notes   | Status   |  |
|---------|------------|------------------|---|--|-----------|--------------|---------|--------------|---|----------|--|
| 210804  | Jane Smith | All              | All patients with diabetes should have a glycohemoglobin blood test within the past 6 months. | This patient has a diagnosis of Diabetes Mellitus, but has not had a glycohemoglobin done within the past 6 months. He/she is due for one. | None      | None         | None    |              | All patients with diabetes should have a glycohemoglobin blood test within the past 6 months. | Inactive | <a href="#">Edit</a> <a href="#">Make Active</a>   |
| 1022296 | Jane Smith | All              | Patient age 20-40   |  | None      |              |         |              |   | Inactive | <a href="#">Edit</a> <a href="#">Make Active</a>   |
| 1033513 | Jane Smith | All              | Sample CDS Group  |  | None      |              |         |              |   | Active   | <a href="#">Edit</a> <a href="#">Make Inactive</a> |

### Hardcoded Systemwide CDS Rules

| ID  | Staff Visibility | Description                              | Care Info   | Developer | Bibliography  | Funding                                  | Release Date | Status |                               |
|-----|------------------|--|---|-----------|---|--|--------------|--------|-------------------------------|
| S1  | All              | Patient must have documented medications | Document a medication or indicate No Known Medications. | CMS       | <a href="http://www.qualityforum.org/QPS/0419">http://www.qualityforum.org/QPS/0419</a>                     | Centers for Medicare & Medicaid Services | 2013         | Active | <a href="#">Make Inactive</a> |
| S2  | All              | Patient must have documented allergies   | Document a medication allergy or indicate NKDA.         | CMS       | <a href="http://www.qualityforum.org/QPS/0020">http://www.qualityforum.org/QPS/0020</a>                     | National Committee for Quality Assurance | 2012         | Active | <a href="#">Make Inactive</a> |
| S3  | All              | Diabetic Eye Exam                        | Schedule an eye exam for the patient.                   | CMS       | <a href="http://www.nlm.nih.gov/medlineplus/ency/opa...">http://www.nlm.nih.gov/medlineplus/ency/opa...</a> | American Diabetes Association            | 2012         | Active | <a href="#">Make Inactive</a> |
| S4  | All              | Diabetic Foot Exam                       | Schedule a foot exam for the patient.                   | CMS       | <a href="http://www.diabetes.org/living-with-diabet...">http://www.diabetes.org/living-with-diabet...</a>   | American Diabetes Association            | 2014         | Active | <a href="#">Make Inactive</a> |
| S5  | All              | Diabetic Hemoglobin A1C Poor Control     | Council patient on managing Hemoglobin A1C levels.      | HRSA      | <a href="http://www.hrsa.gov/quality/hobow/mesur...">http://www.hrsa.gov/quality/hobow/mesur...</a>         | HRSA                                     | 2009         | Active | <a href="#">Make Inactive</a> |
| S6  | All              | Adult Immunization Schedule Age: 19-21   | Refer to Adult Immunization schedule.                   | CDC       | <a href="http://www.cdc.gov/vaccines/schedules/hcpl...">http://www.cdc.gov/vaccines/schedules/hcpl...</a>   | CDC                                      | 2014         | Active | <a href="#">Make Inactive</a> |
| S7  | All              | Adult Immunization Schedule Age: 22-26   | Refer to Adult Immunization schedule.                   | CDC       | <a href="http://www.cdc.gov/vaccines/schedules/hcpl...">http://www.cdc.gov/vaccines/schedules/hcpl...</a>   | CDC                                      | 2014         | Active | <a href="#">Make Inactive</a> |
| S8  | All              | Adult Immunization Schedule Age: 27-49   | Refer to Adult Immunization schedule.                   | CDC       | <a href="http://www.cdc.gov/vaccines/schedules/hcpl...">http://www.cdc.gov/vaccines/schedules/hcpl...</a>   | CDC                                      | 2014         | Active | <a href="#">Make Inactive</a> |
| S9  | All              | Adult Immunization Schedule Age: 50-59   | Refer to Adult Immunization schedule.                   | CDC       | <a href="http://www.cdc.gov/vaccines/schedules/hcpl...">http://www.cdc.gov/vaccines/schedules/hcpl...</a>   | CDC                                      | 2014         | Active | <a href="#">Make Inactive</a> |
| S10 | All              | Adult Immunization Schedule Age: 60-64   | Refer to Adult Immunization schedule.                   | CDC       | <a href="http://www.cdc.gov/vaccines/schedules/hcpl...">http://www.cdc.gov/vaccines/schedules/hcpl...</a>   | CDC                                      | 2014         | Active | <a href="#">Make Inactive</a> |
| S11 | All              | Adult Immunization Schedule Age: 65+     | Refer to Adult Immunization schedule.                   | CDC       | <a href="http://www.cdc.gov/vaccines/schedules/hcpl...">http://www.cdc.gov/vaccines/schedules/hcpl...</a>   | CDC                                      | 2014         | Active | <a href="#">Make Inactive</a> |

You can make any of the existing rules inactive by clicking the **Inactive** button. To reactivate a rule, click **Activate**.


Make Active

Make Inactive

### Hardcoded Systemwide CDS Rules

| ID | Staff Visibility | Description                              | Care Info   | Developer | Bibliography  | Funding                                  | Release Date | Status   |               |
|----|------------------|--|---|-----------|---|--|--------------|----------|---------------|
| S1 | All              | Patient must have documented medications | Document a medication or indicate No Known Medications. | CMS       | <a href="http://www.qualityforum.org/QPS/0419">http://www.qualityforum.org/QPS/0419</a> | Centers for Medicare & Medicaid Services | 2013         | Inactive | Make Active   |
| S2 | All              | Patient must have documented allergies   | Document a medication allergy or indicate NKDA.         | CMS       | <a href="http://www.qualityforum.org/QPS/0020">http://www.qualityforum.org/QPS/0020</a> | National Committee for Quality Assurance | 2012         | Active   | Make Inactive |

CDS Rules will appear in the patient's chart in their profile.

 **Laurie T. Sample** (Female | 32 years old | Dec. 8, 1990) SAJA000001

Phone: (650) 555-5555 Email: [sample@sample.com](mailto:sample@sample.com) Date Added: Jan. 4, 2022

Address: 328 Gibraltar Dr Sunnyvale, CA 94089 Last Scheduled Appt: Thu Dec 08, 2022 Next Scheduled Appt: Thu Dec 22, 2022

CDS: [Sample CDS Group](#) [Patient must have documented allergies](#) [Adult Immunization Schedule Age: 27-49](#)

You can also view individual rules under the **Clinical Dashboard** in the patient's chart.

**Clinical Dashboard** | Lab Results

Documents | Eligibility | Tasks (7) | Problem List (1) | Medication List (1) | Send eRx | Allergy List (0) | Drug Interactions (13) | CQMs | Intake Data | Lab Orders

**Lab Results**

| Status           | Date                              | Documents                        |
|------------------|-----------------------------------|----------------------------------|
| Results Received | Thursday, May 5 2022 at 2:12 p.m. | Select one: <a href="#">View</a> |

**Legacy Lab Results**

| LOINC Code | Lab Description   | Date                       | Sign-Off   | Status           | Result   | Comments                            |                      |
|------------|-------------------|----------------------------|------------|------------------|----------|-------------------------------------|----------------------|
| 11502-2    | Laboratory report | Feb. 24, 2022, 1:37 p.m.   | Signed Off | Results Received | 10 Units |                                     | <a href="#">Edit</a> |
| 11502-2    | Laboratory report | March 31, 2022, 12:31 p.m. | Signed Off | Results Received | 14 mg/dl | Notes on the lab order can go here. | <a href="#">Edit</a> |

**Active Clinical Decision Support Rules For Patient** [Setup CDS Rules](#)

| ID                                    | Description                            | Release Date | Care Info                                       | Bibliography         | Notes               | Developer | Funding                                  |
|---------------------------------------|--|--------------|---|----------------------|---------------------|-----------|--|
| <a href="#">Dismiss Alert</a> 1033513 | Sample CDS Group                       |              |   | <a href="#">View</a> |                     | None      |  |
| <a href="#">Dismiss Alert</a> s2      | Patient must have documented allergies |              | Document a medication allergy or indicate NKDA. | <a href="#">View</a> | Related to NQF 0020 | CMS       | National Committee for Quality Assurance |
| <a href="#">Dismiss Alert</a> s8      | Adult Immunization Schedule Age: 27-49 |              | Refer to Adult Immunization schedule.           | <a href="#">View</a> |                     | CDC       | CDC                                      |

## Creating Custom CDS Rules

You can create your own CDS rules that meet the needs of your practice. Click **+ Add New Custom CDS Rule** to begin.

# Clinical Decision Support Rules

[View CDS Rules](#)

[+ Add New Custom CDS Rule](#)

Next, fill out the information you would like to have to meet the rule. Keep in mind that in order for this rule to be satisfied, **ALL** of the conditions you include need to be met with patient data.

The description is also the name of the rule. For example, I am going to call this rule 'Dolphin Problems'.

Next, select any other information you would like to have for this rule, for example, an age range of 20-40.

[View CDS Rules](#)

[+ Add New Custom CDS Rule](#)

Description

Dolphin Problems



**Patient DOES have:**

Age Range in **Years**

20 - 40 years old

Age Range in **Months**

- months old

Sex

Race

Ethnicity

Gender Identity

Sexual Orientation

Preferred Language

Temperature

 -  f

Pulse

 -  bpm

Blood Pressure - Systolic

 - 

Blood Pressure - Diastolic

 - 

Oxygen Saturation

 -  %

Height

 -  in

Weight

 -  lbs

BMI

 - 

Next, enter any ICD-10 codes, Active medications, Allergies, or Lab Results. You can also include any bibliography links or funding information. In this example, we have 3 codes for dolphin incidents.

|                                      |   |   |   |   |
|--------------------------------------|---|---|---|---|
| Active Problem (ICD-10)              | W56.01XA: Bitten by dolphin, initial encounter          | ⌵ | ✖ | + |
| Active Problem (ICD-10)              | W56.02XA: Struck by dolphin, initial encounter          | ⌵ | ✖ |   |
| Active Problem (ICD-10)              | W56.09XA: Other contact with dolphin, initial encounter | ⌵ | ✖ |   |
| Active Problem (ICD-9)               |   | ⌵ | ✖ | + |
| Active Drug                          |   | ⌵ | ✖ | + |
| Active Allergy                       |   | ⌵ | ✖ | + |
| Lab Result                           |   | ⌵ | ✖ | + |
| Bibliography                         |   |   |   |   |
| Research Funding Source              |   |   |   |   |
| Release Date of Supporting Research: |   |   |   |   |

You can also enter any conditions for the patient NOT to have to trigger the rule. We have a code associated with sea lions as an example here. Once you have set all of the data for your rule, click **+Add CDS Rule**.

**Patient DOES NOT have:**

|                  |   |   |   |   |
|------------------|---|---|---|---|
| Problem (ICD-10) | W56.11XA: Bitten by sea lion, initial encounter | ⌵ | ✖ | + |
| Problem (ICD-9)  |   | ⌵ | ✖ | + |
| Drug             |   | ⌵ | ✖ | + |
| Allergy          |   | ⌵ | ✖ | + |
| Lab              |   | ⌵ | ✖ | + |

[+ Add CDS Rule](#)

Let's take a look at the rule in the patient's chart. This sample patient has a Dolphin Problems CDS rule tag because

she is in the age range of 20-40 and she has ALL 3 of the ICD-10 codes we set for the rule.

**Laurie T. Sample** (Female | 32 years old | Dec. 8, 1990) SAJA000001

Phone: (650) 555-5555      Email: [sample@sample.com](mailto:sample@sample.com)      Date Added: Jan. 4, 2022  
 Address: 328 Gibraltar Dr, Sunnyvale, CA 94089      Last Scheduled Appt: Thu Dec 08, 2022  
 Next Scheduled Appt: Thu Dec 22, 2022

CDS: [Sample CDS Group](#) [Dolphin Problems](#) [Patient must have documented allergies](#) [Adult Immunization Schedule Age: 27-49](#)

onpatient access enabled     New Referral     Fax Demographics     Print Demographics           

▲ There are problems that haven't been reconciled for this patient. [Continue Reconciliation](#)

**Active Problems**

Show Inactive Problems     Patient has No Known Active Problems

| Problem                                       | Code System | ICD-CM Code | SNOMED | Date Diagnosed | Date Changed | Status | Notes | Updated      |  |
|---|-------------|-------------|--------|----------------|--------------|--------|-------|--------------|--|
| Bitten by dolphin, initial encounter          | ICD-10      | W56.01XA    |        | Sep 21, 2022   |              | active |       | Dec 15, 2022 | <a href="#">Info</a> <a href="#">Edit</a> <a href="#">Delete</a><br><a href="#">HL7 2.5.1 File</a> |
| Struck by dolphin, initial encounter          | ICD-10      | W56.02XA    |        | Jan 21, 2022   |              | active |       | Dec 15, 2022 | <a href="#">Info</a> <a href="#">Edit</a> <a href="#">Delete</a><br><a href="#">HL7 2.5.1 File</a> |
| Other contact with dolphin, initial encounter | ICD-10      | W56.09XA    |        | Dec 14, 2022   |              | active |       | Dec 15, 2022 | <a href="#">Info</a> <a href="#">Edit</a> <a href="#">Delete</a><br><a href="#">HL7 2.5.1 File</a> |

If anything is added or changed that does not meet the rule, the CDS Rule flag will not appear. For example, we have added the sea lion code that was in the 'Patient Does Not Have' section of the example rule. Since we have added this code, the rule is no longer met.

**Laurie T. Sample** (Female | 32 years old | Dec. 8, 1990) SAJA000001

Phone: (650) 555-5555      Email: [sample@sample.com](mailto:sample@sample.com)      Date Added: Jan. 4, 2022  
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onpatient access enabled     New Referral     Fax Demographics     Print Demographics           

▲ There are problems that haven't been reconciled for this patient. [Continue Reconciliation](#)

**Active Problems**

Show Inactive Problems     Patient has No Known Active Problems

| Problem                                       | Code System | ICD-CM Code | SNOMED | Date Diagnosed | Date Changed | Status | Notes | Updated      |  |
|---|-------------|-------------|--------|----------------|--------------|--------|-------|--------------|--|
| Bitten by dolphin, initial encounter          | ICD-10      | W56.01XA    |        | Sep 21, 2022   |              | active |       | Dec 15, 2022 | <a href="#">Info</a> <a href="#">Edit</a> <a href="#">Delete</a><br><a href="#">HL7 2.5.1 File</a> |
| Struck by dolphin, initial encounter          | ICD-10      | W56.02XA    |        | Jan 21, 2022   |              | active |       | Dec 15, 2022 | <a href="#">Info</a> <a href="#">Edit</a> <a href="#">Delete</a><br><a href="#">HL7 2.5.1 File</a> |
| Other contact with dolphin, initial encounter | ICD-10      | W56.09XA    |        | Dec 14, 2022   |              | active |       | Dec 15, 2022 | <a href="#">Info</a> <a href="#">Edit</a> <a href="#">Delete</a><br><a href="#">HL7 2.5.1 File</a> |
| Bitten by sea lion, initial encounter         | ICD-10      | W56.11XA    |        | Dec 15, 2022   |              | active |       | Dec 15, 2022 | <a href="#">Info</a> <a href="#">Edit</a> <a href="#">Delete</a><br><a href="#">HL7 2.5.1 File</a> |