



A MEDICARE LEARNING NETWORK® (MLN) EVENT

Hospital Price Transparency: Using a CMS Template Layout to Encode Hospital Standard Charge Information

January 17, 2024

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Hospital Price Transparency Regulation Introduction

- The Hospital Price Transparency regulation implements Section 2718(e) of the [Public Health Service Act](#) and requires each hospital operating within the United States to establish (and update) and make public a yearly list of the hospital's standard charges for items and services provided by the hospital, including for diagnosis-related groups established under section 1886(d)(4) of the Social Security Act.
- Starting on January 1, 2021, each hospital operating in the United States was required to make this information available in two ways:

As a comprehensive machine-readable file (MRF) with all standard charges for all items and services

AND

As a display of standard charges for 300 shoppable services in a consumer-friendly format



CY 2024 OPPS/ASC Final Rule Regulatory Updates

CMS finalized new [Hospital Price Transparency](#) requirements in the [CY 2024 Hospital Outpatient Prospective Payment System and Ambulatory Surgical Center Payment System Final Rule](#). These new requirements include:

January 1, 2024

Improving Access to Hospital Machine-Readable Files (MRFs): Hospital websites must include a TXT file in the root folder with MRF and contact information (45 CFR 180.50(d)(6)(i)). Hospitals must place a 'footer' at the bottom of the hospital's homepage that links to the webpage that includes the machine-readable file (45 CFR 180.50(d)(6)(ii)).

July 1, 2024

New Data Elements and Format Standardization:

- Hospital MRFs must conform to the CMS template layout and data specifications (180.50(c)(2)).
- Expanded set of data elements including, as applicable: hospital and MRF information, each type of standard charge (including payer-specific negotiated charges by payer and plan), item/service description, relevant billing codes (180.50(b)(2)).
- Hospital must affirm that it has included all applicable standard charge information in the MRF and that the information encoded is true, accurate, and complete (180.50(a)(3)(ii)).

January 1, 2025

Additional Required Data Elements: Hospitals must encode additional new data elements including: 'Estimated Allowed Amount', 'Drug Unit of Measurement', 'Drug Type of Measurement', and 'Modifiers'.



Improving Automated Access to MRFs



Improving Automated Access

- As of January 1, 2024, hospitals must ensure that the public website it selects to host its machine-readable file (MRF) establishes and maintains, in the form and manner specified by CMS:
 - A .txt file in the root folder that includes:
 - The hospital location name that corresponds to the MRF
 - The source page URL that hosts the MRF
 - A direct link to the MRF (the MRF URL)
 - Hospital point of contact information
 - A link in the footer on its website, including but not limited to the homepage, that is labeled “Price Transparency” and links directly to the publicly available webpage that hosts the link to the MRF.
- TXT file instructions and generator tool can be found here:
<https://cmsgov.github.io/hpt-tool/txt-generator/>



CMS Template Technical Requirements



New Requirements to Use a CMS Template Layout and Encode Hospital Standard Charge Information

- As of July 1, 2024, hospitals' MRF must conform to a CMS template layout, data specifications, and data dictionary.
- CMS has made the CMS template available in three non-proprietary formats: CSV “tall”, CSV “wide”, and JSON.
- CMS has created a GitHub repository to house the required CMS templates, and provides the data dictionary, or technical instruction, on how hospitals must encode standard charge information into machine-readable files.

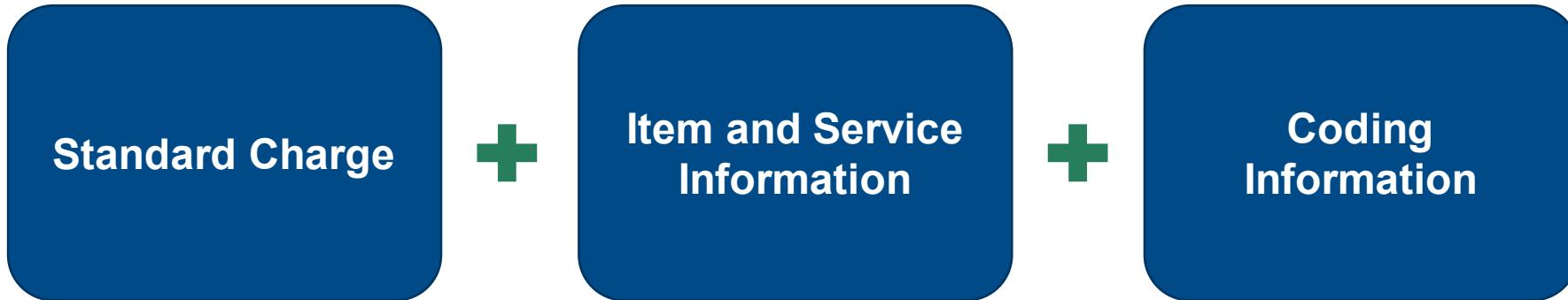
The CMS Hospital Price Transparency - Data Dictionary GitHub repository is available here
<https://github.com/CMSgov/hospital-price-transparency>.



CMS Template: Data Elements



Data Elements Create Context for Hospital Standard Charges



‘Data elements’ are information or categories of information that you will use to contextualize the standard charges your hospital has established.



Data Element Overview

Hospitals must adopt a CMS template layout and encode data elements according to the technical specifications described in the data dictionary. The data elements are organized into five groups:

<i>MRF Information</i>	<i>Standard Charges</i>	<i>Item & Service Information</i>
MRF Date	Gross Charge	General Description
CMS Template Version	Discounted Cash Price	Setting
Affirmation Statement	Payer Name	<i>Drug Unit of Measurement*</i>
<i>Hospital Information</i>		<i>Drug Type of Measurement*</i>
Hospital Name	Plan Name	
Hospital Location(s)	Standard Charge Method	
Hospital Address(es)	Payer-Specific Negotiated Charge - Dollar Amount	
Hospital Licensure Information	Payer-Specific Negotiated Charge - Percentage	
	Payer-Specific Negotiated Charge - Algorithm	
	<i>Estimated Allowed Amount*</i>	
	Additional Generic Notes	Billing/Accounting Code
	Additional Payer-Specific Notes	Code Type
	De-identified Minimum Negotiated Charge	<i>Modifiers*</i>
	De-identified Maximum Negotiated Charge	

*- These data elements are not required to be encoded in hospital MRFs until January 1, 2025.



Three Ways to Display Payer-specific Standard Charges

'Payer-specific Negotiated Charge' Data Elements:	Description
Dollar Amount	Payer-specific negotiated charge (expressed as a dollar amount) that a hospital has negotiated with a third-party payer for a corresponding item or service.
Percentage	Payer-specific negotiated charge (expressed as a percentage) that a hospital has negotiated with a third-party payer for a corresponding item or service. This data element will contain the numeric representation of the percentage not as a decimal (70.5% is to be entered as "70.5" and not ".705").
Algorithm	Payer-specific negotiated charge (expressed as an algorithm) that a hospital has negotiated with a third-party payer for the corresponding item or service.

Display a payer-specific negotiated charge as a dollar amount whenever possible. If the payer-specific negotiated charge results in a variable dollar amount for members of a payer/plan combination, then display the payer-specific negotiated charge as a percentage or algorithm and calculate the 'Estimated Allowed Amount' in dollars.



Payer-specific Negotiated Charge Contextual Information

Required Contextual Information: For each ‘payer-specific standard charge’ your hospital has established, you must encode a ‘standard charge methodology’.

‘Standard Charge Methodology’ Data Element:

Valid Values	Methodology Description
Case Rate	A flat rate for a package of items and services triggered by a diagnosis, treatment, or condition for a designated length of time.
Fee Schedule	The payer-specific negotiated charge is based on a fee schedule. Examples of common fee schedules include Medicare, Medicaid, commercial payer, and workers compensation.
Percent of Total Billed Charge	The payer-specific negotiated charge is based on a percentage of the total billed charges for an item or service. This percentage may vary depending on certain pre-determined criteria being met.
Per diem	The per day charge for providing hospital items and services.
Other	If the standard charge methodology used to establish a payer-specific negotiated charge cannot be described by one of the types of standard charge methodology above, select ‘Other’ and encode a detailed explanation of the contracting arrangement in additional notes.



Optional Data Elements

'Hospital Financial Aid Policy' and 'Billing Class' are optional data elements. They are not required to be included in hospital MRFs, but instructions have been added to support standardization of disclosure of these data elements for hospitals that wish to provide more contextual information about their charges.

Data Element	Description
Hospital Financial Aid Policy	The hospital's financial aid policy, also known as charity care or bill forgiveness, that a hospital may choose or be required to apply to a particular individual's bill. This information may be displayed as either a description or as a link to the financial aid or cash price policy on the hospital's website.
Billing Class	The type of billing for the item/service at the established standard charge. The valid values are "professional", "facility", and "both".



Introduction to CMS Templates and Data Dictionary Technical Instructions

**CMS Hospital Price Transparency – Data Dictionary GitHub
Repository**

<https://github.com/CMSgov/hospital-price-transparency>



CMS Templates and Data Dictionary are in CMS GitHub

The CMS GitHub Repository:

- Is a website used by CMS to store CMS templates and data dictionary technical instructions that your hospital must use to create its MRF.
- Provides assistance for technical questions you may have.
- Also makes available voluntary tools (such as a .txt generator) to help your hospital comply with hospital price transparency regulatory requirements.



Encoding Data Elements and Values

Data Elements are the categories of data that must be included in the MRF, represented by “headers” in a CSV spreadsheet view.

Values are the types of data that can be encoded into the MRF.

Encoding is the process of entering values in a specified form.

The **data dictionary** provides rules (i.e. technical instruction) for encoding your hospital’s standard charge information.

EXAMPLE CSV MRF Excerpt			
hospital_name	last_updated_on	version	hospital_location
West Mercy Hospital	2024-07-01	2.0.0	West Mercy Hospital
description	code 1	code 1 type	code 2

EXAMPLE CSV MRF in Spreadsheet View				
HEADERS	hospital_name	last_updated_on	version	hospital_location
VALUES	West Mercy Hospital	2024-07-01	2.0.0	West Mercy Hospital
HEADERS	description	code 1	code 1 type	code 2
VALUES	Major hip and knee joint	470	MS-DRG	175869
VALUES	Major hip and knee joint	470	MS-DRG	175869
VALUES	Major hip and knee joint	470	MS-DRG	175869
EMPTY CELLS				



Data Dictionary in GitHub for CSV

Technical Instructions are shown in GitHub for CSV as a table. It includes:

- Column Header (separate instructions for CSV ‘Tall’ vs ‘Wide’): indicates the header you must use in your MRF
- Name: the required data element you must include in your MRF
- Type: indicates what type of values are valid
- Definition: a plain language description of the data element and valid values
- Blanks Accepted: Indicates whether missing values are acceptable.

General Data Elements

These required general data about the MRF must be stated once at the top of the file (i.e. the first row).

Column Header (Tall format)	Column Header (Wide format)	Name	Type	Definition	Blanks Accepted
hospital_name	hospital_name	Hospital Name	String	The legal business name of the licensee.	No
last_updated_on	last_updated_on	MRF Date	Date	Date on which the MRF was last updated. Date must be in an ISO 8601 format (i.e. YYYY-MM-DD)	No

Required Standard Charge, Item/Service, and Coding Data Elements

After the general data elements have been disclosed, the disclosure of required standard charges, item/service, and coding data elements will begin on row 3.

If a -- is encountered in the following table, then the instruction does not apply to the specific CMS template selected. You can view both [CSV templates here](#).

Column Header (Tall format)	Column Header (Wide format)	Name	Type	Definition	Blanks Accepted
description	description	General Description	String	Description of each item or service provided by the hospital that	No



Types of Valid Values

Type: Indicates the expected format of the data encoded into a field below the CSV header. Types you will encounter in the data dictionary for CSV formats include:

- “Boolean” indicates the field must include either a “true” or “false”. This type is used for encoding a valid value for the required affirmation statement.
- “Date” indicates a date must be inserted in the field. You will encounter this type when encoding the valid value for the “date of last update” data element.
- “Enum” indicates that you must choose from a set of predefined constants that are listed in the ‘valid values’ section. For example, valid values for the data element “setting” are: “inpatient”, “outpatient”, or “both”
- “Numeric” indicates only numbers are permitted. All “Numeric” data elements must be positive numbers. Encoding a negative number or "0" will generate a deficiency.
- “String” indicates that series of letters/characters, numbers, symbols, and spaces are allowed values.



Putting it Together

1 General Data Elements

These required general data about the MRF must be stated once at the top of the file (i.e. the first row).

Column Header (Tall format)	Column Header (Wide format)	Name	Type	Definition	Blanks Accepted
hospital_name	hospital_name	Hospital Name	String	The legal business name of the licensee.	No
last_updated_on	last_updated_on	MRF Date	Date	Date on which the MRF was last updated. Date must be in an ISO 8601 format (i.e. YYYY-MM-DD)	No

EXAMPLE CSV MRF Excerpt

hospital_name, last_updated_on, version, hospital_locat
West Mercy Hospital, 2024-07-01, 2.0.0, West Mercy Hosp
description, code|1 , code|1|type, code|2 , code|2|type,

2 Required Standard Charge, Item/Service, and Coding Data Elements

After the general data elements have been disclosed, the disclosure of required standard charges, item/service, and coding data elements will begin on row 3.

If a -- is encountered in the following table, then the instruction does not apply to the specific CMS template selected. You can view both [CSV templates here](#).

Column Header (Tall format)	Column Header (Wide format)	Name	Type	Definition	Blanks Accepted
description	description	General Description	String	Description of each item or service provided by the hospital that	No

EXAMPLE CSV MRF in Spreadsheet View

1	hospital_name	last_updated_on	version	hospital_location
	West Mercy Hospital	2024-07-01	2.0.0	West Mercy Hospi
2	description	code 1	code 1 type	code 2
	Major hip and knee join	470	MS-DRG	175869
	Major hip and knee join	470	MS-DRG	175869
	Major hip and knee join	470	MS-DRG	175869



Data Dictionary Example: Encoding the Date of Last Update

Hospitals must update the standard charge information at least once annually.

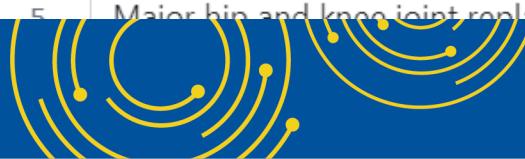
- Encode the date in the MRF in an ISO 8601 format (i.e. YYYY-MM-DD)

Data Dictionary Instructions

Column Header (Tall format)	Column Header (Wide format)	Name	Type	Definition	Blanks Accepted
last_updated_on	last_updated_on	MRF Date	Date	Date on which the MRF was last updated. Date must be in an ISO 8601 format (i.e. YYYY-MM-DD)	No

CSV MRF Implementation

1	hospital_name	last_updated_on	version	he
2	West Mercy Hospital	2024-07-01	2.0.0	W
3	description	code 1	code 1 type	co
4	Major hip and knee joint replacement or reattachment of lower extremity without mcc	470	MS-DRG	17
5	Major hip and knee joint replacement or reattachment of lower extremity without mcc	470	MS-DRG	17



Accessing Technical Instructions & Examples

**CMS Hospital Price Transparency – Data Dictionary GitHub
Repository**

<https://github.com/CMSgov/hospital-price-transparency>



Questions & Answers



Hospital Price Transparency Resources



Visit the [CMS Hospital Price Transparency – Data Dictionary GitHub Repository](#) to access the CMS templates, technical specifications, and get technical support.

Visit the [HPT Website Resources Page](#) for more information, including a recording of this presentation.

For additional information, please contact:
PriceTransparencyHospitalCharges@cms.hhs.gov



Appendix A – Navigating GitHub and the CMS Hospital Price Transparency – Data Dictionary GitHub Repository



CMS Hospital Price Transparency – Data Dictionary GitHub Repository Homepage

The screenshot shows the GitHub homepage for the CMSgov/hospital-price-transparency repository. The repository is public and has 18 commits, 2 branches, and 0 tags. The README.md file contains the following content:

```
shaselton-usds Merge pull request #9 from CMSgov/develop ... d6571dc 2 days ago 18 commits
documentation renaming of files. updating documentation based on rename 3 days ago
examples Update V2.0.0_Tall_CSV_Format_Example.csv 2 days ago
resources/images Initial Release 3 weeks ago
.gitignore Initial Release 3 weeks ago
README.md formatting fix 2 weeks ago
VERSION.md typo update. version update. footer sentence 2 weeks ago
```

About
No description, website, or topics provided.

Code

Readme

Activity

10 stars

11 watching

1 fork

Report repository

Releases
No releases published

Packages
No packages published

Hospital Price Transparency

This technical implementation guide contains data dictionaries, CSV templates, and JSON schema for the machine readable files as required by the [Hospital Price Transparency](#) final rules (45 CFR 180).

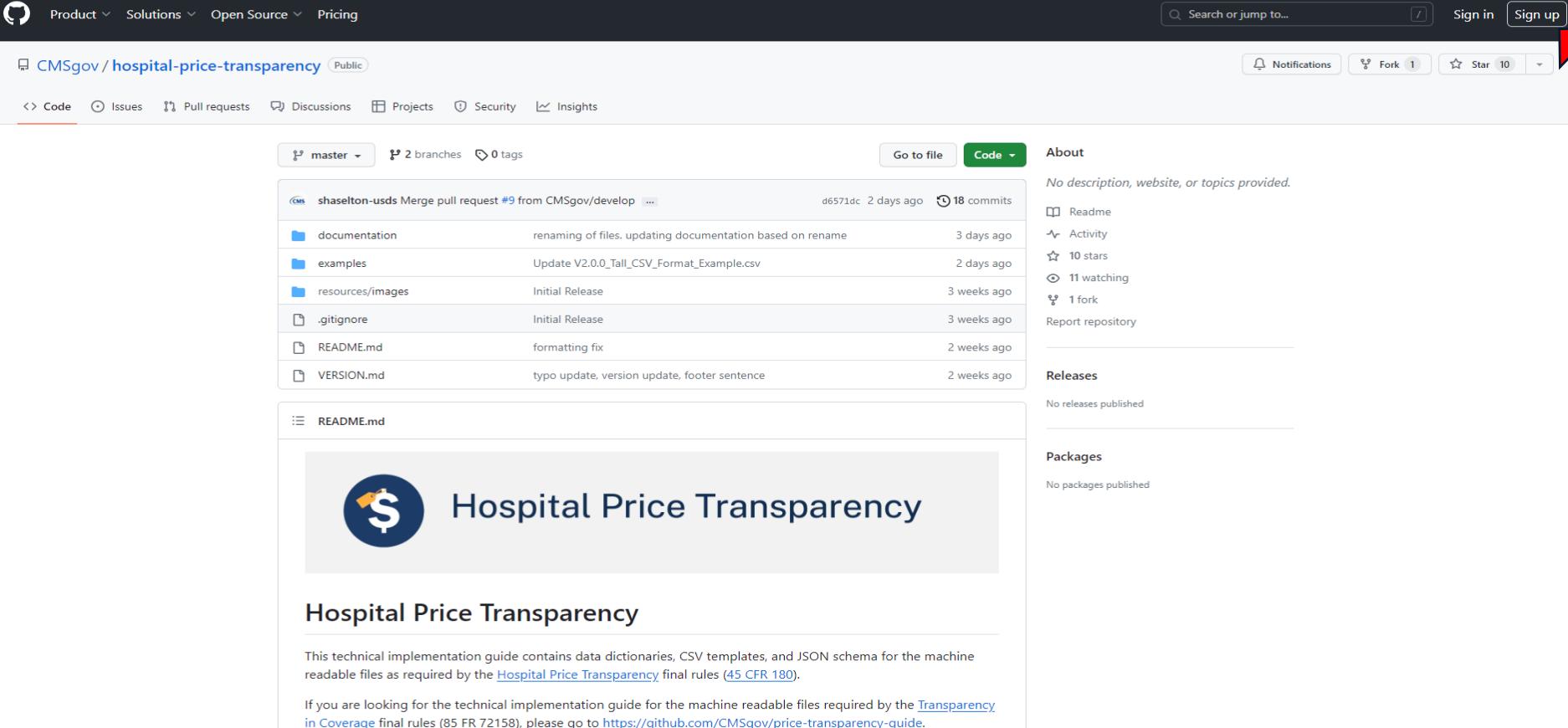
If you are looking for the technical implementation guide for the machine readable files required by the [Transparency in Coverage](#) final rules (85 FR 72158), please go to <https://github.com/CMSgov/price-transparency-guide>.

Overview



How to Sign Up and Stay Up to Date

Step 1: Click on the “Sign-up” button, enter your information, and create a username.



A screenshot of a GitHub repository page for 'CMSgov/hospital-price-transparency'. The page shows a list of files in the 'master' branch, including 'documentation', 'examples', 'resources/images', '.gitignore', 'README.md', and 'VERSION.md'. The 'README.md' file is expanded, displaying the content of the file. At the top right of the page, there is a 'Sign in' button and a 'Sign up' button, which is highlighted with a large red arrow pointing towards it. The GitHub interface includes a navigation bar with links for Product, Solutions, Open Source, Pricing, a search bar, and various repository stats like notifications, forks, and stars.



How to Stay Up-to-Date

Step 2: After signing in, click on the “Watch” button in upper-right hand corner and select “All Activity.” You can change this preference at any time.

The screenshot shows a GitHub repository page for 'hospital-price-transparency'. The repository has 12 notifications, 1 fork, and 10 stars. The 'Code' tab is selected. A modal window titled 'Notifications' is open, listing several options: 'Participating and @mentions', 'All Activity' (which is checked), 'Ignore', and 'Custom'. Below these are sections for 'Get push notifications on iOS or Android' and 'Releases' (which shows 'No releases published'). To the right of the modal, there's a sidebar with 'Packages' (No packages published) and a decorative graphic of concentric circles.

Notifications

- Participating and @mentions
- All Activity
- Ignore
- Custom

Get push notifications on iOS or Android

No releases published

Packages

No packages published



How to View General MRF Template Information

Step 1: Navigate to the Homepage

CMSgov / hospital-price-transparency

Type to search | > | + |

Code Issues Pull requests Discussions Projects Security Insights

hospital-price-transparency Public

Unwatch 12 Fork 1 Star 10

master 2 branches 0 tags Go to file Add file <> Code

shaselton-usds Merge pull request #9 from CMSgov/develop ... d6571dc 2 days ago 18 commits

documentation	renaming of files. updating documentation based on rename	3 days ago
examples	Update V2.0.0_Tall_CSV_Format_Example.csv	2 days ago
resources/images	Initial Release	3 weeks ago
.gitignore	Initial Release	3 weeks ago
README.md	formatting fix	2 weeks ago
VERSION.md	typo update, version update, footer sentence	2 weeks ago

Readme Activity 10 stars 11 watching 1 fork Report repository

README.md

Hospital Price Transparency

Hospital Price Transparency

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If you are looking for the technical implementation guide for the machine readable files required by the [Transparency in Coverage](#) final rules (85 FR 72158), please go to <https://github.com/CMSgov/price-transparency-guide>.

About

No description, website, or topics provided.

Readme Activity 10 stars 11 watching 1 fork Report repository

Releases

No releases published

Packages

No packages published



How to View General MRF Template Information

Step 2: Select the “README.md” file or scroll down the page

The screenshot shows a GitHub repository page for 'hospital-price-transparency'. A red arrow points from the top left towards the repository navigation bar, and another red arrow points from the bottom left towards the README.md content area.

Repository Navigation Bar:
CMSgov / hospital-price-transparency
Code Issues Pull requests Discussions Projects Security Insights

Repository Header:
hospital-price-transparency Public
Unwatch 12 Fork 1 Star 10

Repository Summary:
master 2 branches 0 tags Go to file Add file ▾ Code

Recent Activity:
shaselton-usds Merge pull request #9 from CMSgov/develop ... d6571dc 2 days ago 18 commits

File List:

File	Description	Last Commit
documentation	renaming of files. updating documentation based on rename	3 days ago
examples	Update V2.0.0_Tall_CSV_Format_Example.csv	2 days ago
resources/images	Initial Release	3 weeks ago
.gitignore	Initial Release	3 weeks ago
README.md	formatting fix	2 weeks ago
VERSION.md	typo update, version update, footer sentence	2 weeks ago

About:
No description, website, or topics provided.
Readme Activity 10 stars 11 watching 1 fork Report repository

Releases:
No releases published

Packages:
No packages published

README.md Content:

 Hospital Price Transparency

Hospital Price Transparency

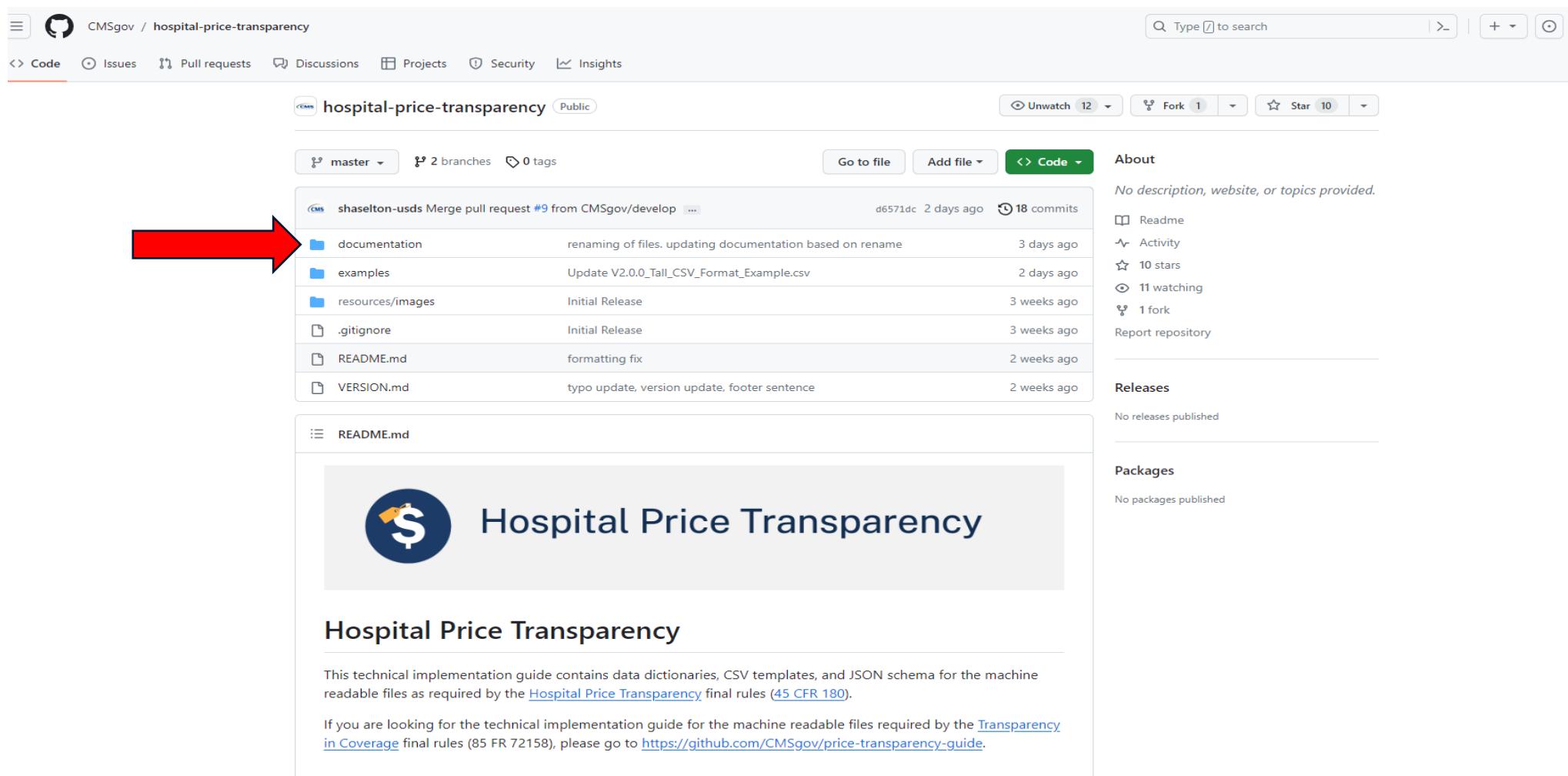
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How to Access Templates and Implementation Documentation

Step 1: From the homepage, select the “documentation” folder



The screenshot shows a GitHub repository page for 'hospital-price-transparency'. The 'Code' tab is selected. A red arrow points to the 'documentation' folder in the file list. The repository has 12 watchers, 1 fork, and 10 stars. The 'About' section notes 'No description, website, or topics provided.' The 'Readme' file contains the following content:

```
#: README.md
$ Hospital Price Transparency
```

Hospital Price Transparency

This technical implementation guide contains data dictionaries, CSV templates, and JSON schema for the machine readable files as required by the [Hospital Price Transparency](#) final rules (45 CFR 180).

If you are looking for the technical implementation guide for the machine readable files required by the [Transparency in Coverage](#) final rules (85 FR 72158), please go to <https://github.com/CMSgov/price-transparency-guide>.



How to Access Templates and Implementation Documentation

Step 2: Select either the “CSV” or “JSON” templates from one of many places

The screenshot shows a GitHub repository interface for the CMSgov/hospital-price-transparency project. The left sidebar displays the repository structure under the 'Files' tab, specifically the 'master' branch. The 'documentation' directory is expanded, showing sub-directories 'CSV' and 'JSON'. A large red arrow points to the 'CSV' folder. The main content area shows the 'documentation' folder, which contains files like 'README.md', 'CSV', and 'JSON'. A second red arrow points to the 'CSV' file. Below this, a section titled 'File Implementation Documentation' contains a list of download links: '• CSV' and '• JSON'. A third red arrow points to this list. The top navigation bar includes links for Code, Issues, Pull requests, Discussions, Projects, Security, and Insights.



How to Access Templates and Implementation Documentation

Step 3: In CSV, select either the “Tall” or “Wide” format

The screenshot shows a GitHub repository interface for the CMSgov/hospital-price-transparency project. The left sidebar displays a file tree with several folders like documentation, CSV, and JSON, and files such as README.md and VERSION.md. A large red arrow points to the 'CSV' folder in the file tree. The main content area shows a list of files under 'hospital-price-transparency / documentation / CSV / templates /'. Two files are visible: 'V2.0.0_Tall_CSV_Format_Template.csv' and 'V2.0.0_Wide_CSV_Format_Template.csv'. Red arrows point from the file names to their respective commit messages, which both read: 'renaming of files. updating documentation based on rename'. The commit message for the first file also includes 'shaselton-usds'.

Name	Last commit message
V2.0.0_Tall_CSV_Format_Template.csv	renaming of files. updating documentation based on rename shaselton-usds renaming of files. updating documentation based on rename
V2.0.0_Wide_CSV_Format_Template.csv	renaming of files. updating documentation based on rename



How to Access Templates and Implementation Documentation

Step 4: Once you have selected the desired format, you can view the template on GitHub in “Preview” view, “Code” view, or download the template in a separate file.

Download the

The screenshot shows two instances of a GitHub repository page for the file `V2.0.0_Tall_CSV_Format_Template.csv`. The top instance is in "Preview" mode, displaying a table with columns: hospital_name, last_updated_on, version, hospital_location, hospital_address, license_number|[state], and a large text area below it. The bottom instance is in "Code" mode, displaying the raw CSV code. Both screenshots include red arrows pointing to the "Preview" tab in the top one and the "Code" tab in the bottom one. A blue button labeled "Download the" is visible at the top right of the top screenshot. The GitHub interface includes a sidebar with "Files", a dropdown for "master", a search bar, and a "Go to file" input field. The repository structure shows "documentation", "CSV", "templates" (containing "V2.0.0_Tall_CSV_Format_Template.csv" and "V2.0.0_Wide_CSV_Format_Template.csv"), "README.md", and "JSON". Commits by "shaselton-usds" are listed at the top of each screenshot.

hospital-price-transparency / documentation / CSV / templates / V2.0.0_Tall_CSV_Format_Template.csv

shaselton-usds renaming of files. updating documentation based on rename

Preview | Code | Blame 3 lines (3 loc) · 788 Bytes

Search this file

1	hospital_name	last_updated_on	version	hospital_location	hospital_address	license_number [state]	To the best of its knowledge and belief, the hospital has included all applicable standard charge information in accordance with the requirement
2			2.0.0				
3							

Raw ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂

hospital-price-transparency / documentation / CSV / templates / V2.0.0_Tall_CSV_Format_Template.csv

shaselton-usds renaming of files. updating documentation based on rename

Preview | **Code** | Blame 3 lines (3 loc) · 788 Bytes

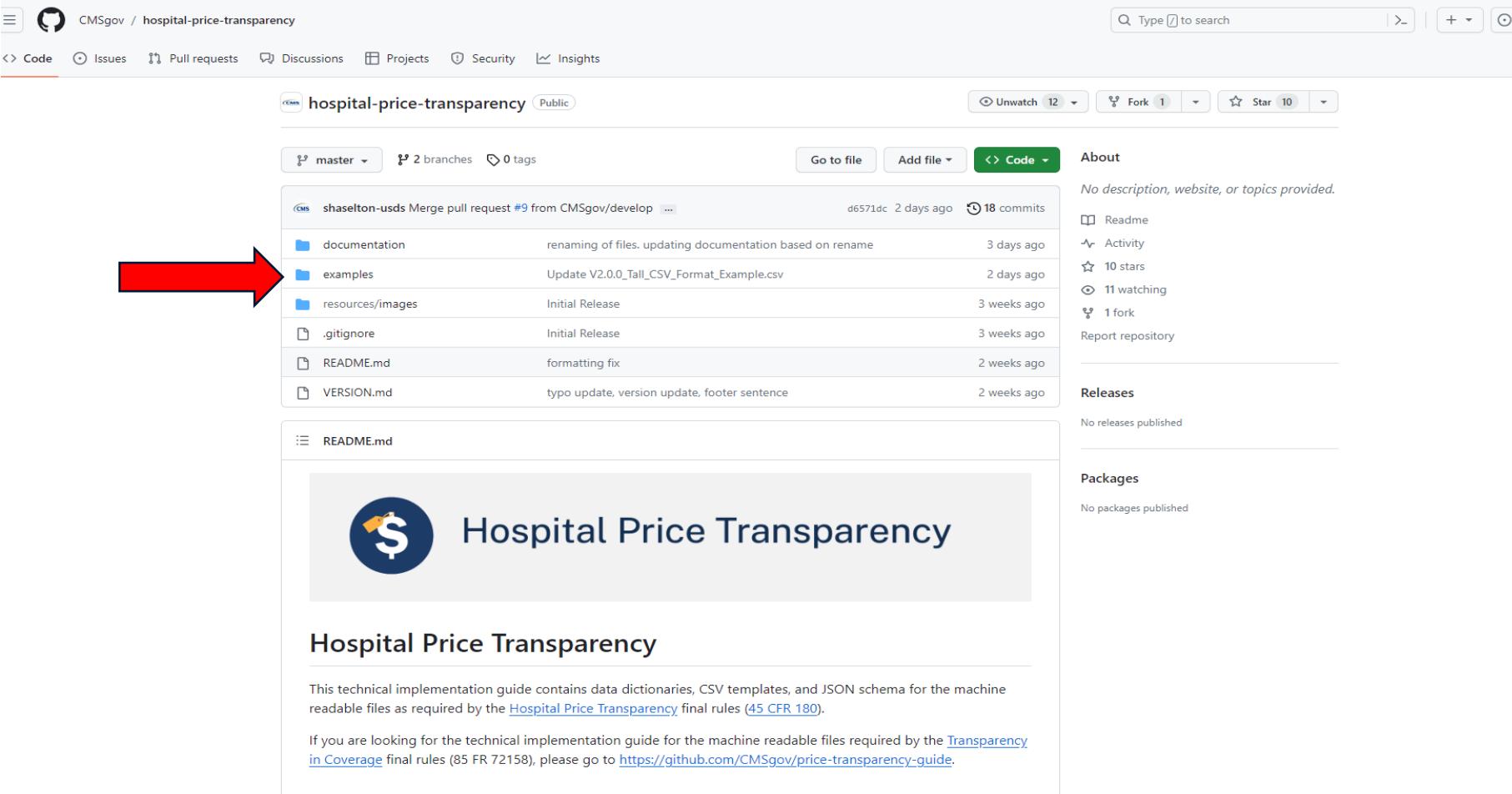
```
1 hospital_name,last_updated_on,version,hospital_location,hospital_address,license_number|[state],"To the best of its knowledge and belief, the hospital has included all applicable standard charge information in accordance
2 ,,,2.0.0,,,,,,,,,,,
3 description,code|[i] ,code|[i]|type,setting,drug_unit_of_measurement,drug_type_of_measurement,standard_charge|gross,standard_charge|discounted_cash,payer_name,plan_name,modifiers,standard_charge|negotiated_dollar,standard
```

Raw ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂



Accessing Examples

Step 1: Select “examples” from homepage



A screenshot of a GitHub repository page for 'hospital-price-transparency'. The repository is public and has 12 forks and 10 stars. A red arrow points to the 'examples' folder in the file list. The README.md file is shown below, featuring a logo and text about hospital price transparency.

Code Issues Pull requests Discussions Projects Security Insights

hospital-price-transparency Public

Unwatch 12 Fork 1 Star 10

master 2 branches 0 tags

Go to file Add file > Code

shaselton-usds Merge pull request #9 from CMSgov/develop ... d6571dc 2 days ago 18 commits

documentation renaming of files, updating documentation based on rename 3 days ago

examples Update V2.0.0_Tall_CSV_Format_Example.csv 2 days ago

resources/images Initial Release 3 weeks ago

.gitignore Initial Release 3 weeks ago

README.md formatting fix 2 weeks ago

VERSION.md typo update, version update, footer sentence 2 weeks ago

About
No description, website, or topics provided.

Readme Activity 10 stars 11 watching 1 fork Report repository

Releases
No releases published

Packages
No packages published

README.md

Hospital Price Transparency

Hospital Price Transparency

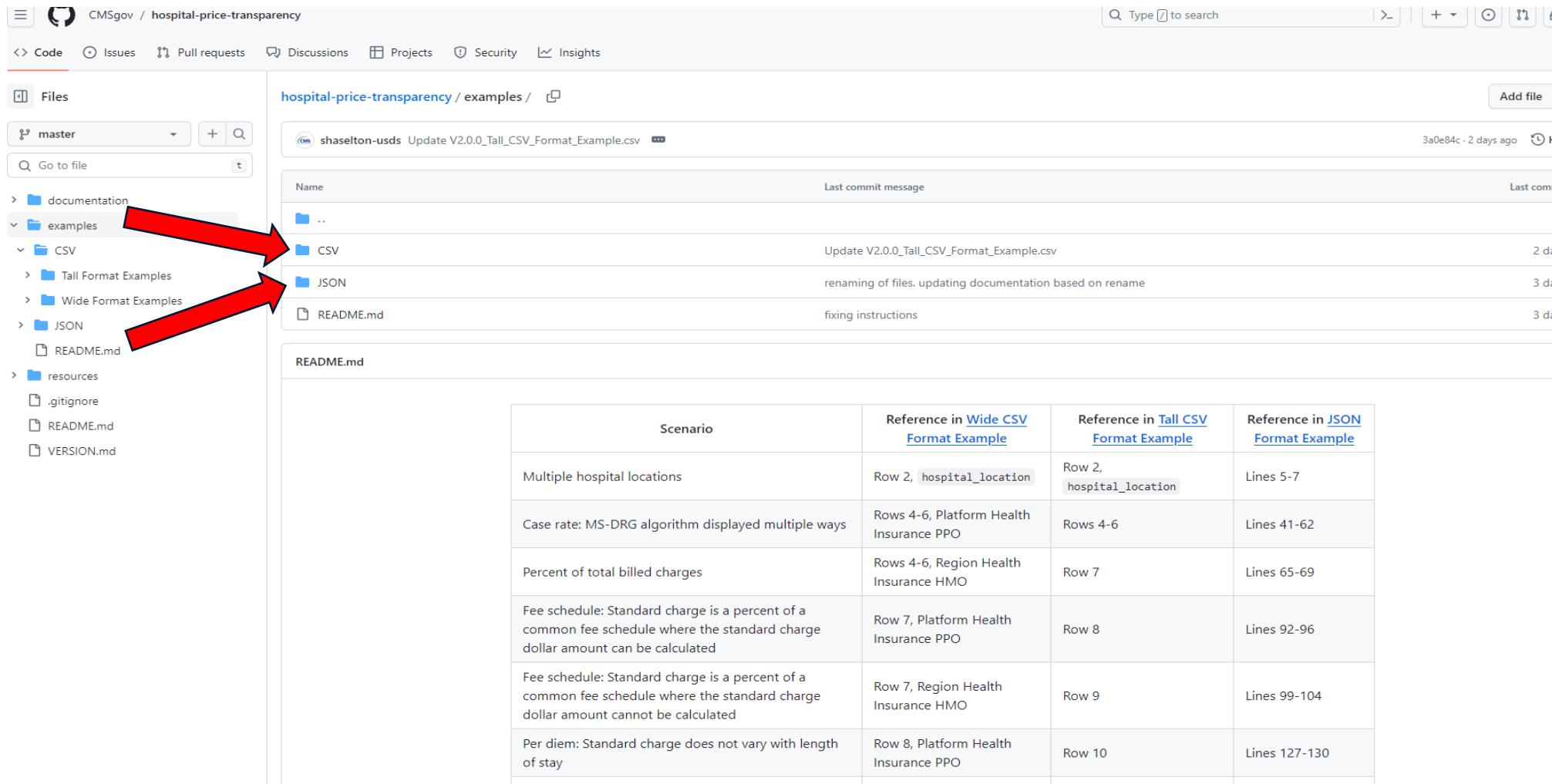
This technical implementation guide contains data dictionaries, CSV templates, and JSON schema for the machine readable files as required by the [Hospital Price Transparency](#) final rules (45 CFR 180).

If you are looking for the technical implementation guide for the machine readable files required by the [Transparency in Coverage](#) final rules (85 FR 72158), please go to <https://github.com/CMSgov/price-transparency-guide>.



Accessing Examples

Step 2: Select “CSV” or “JSON”



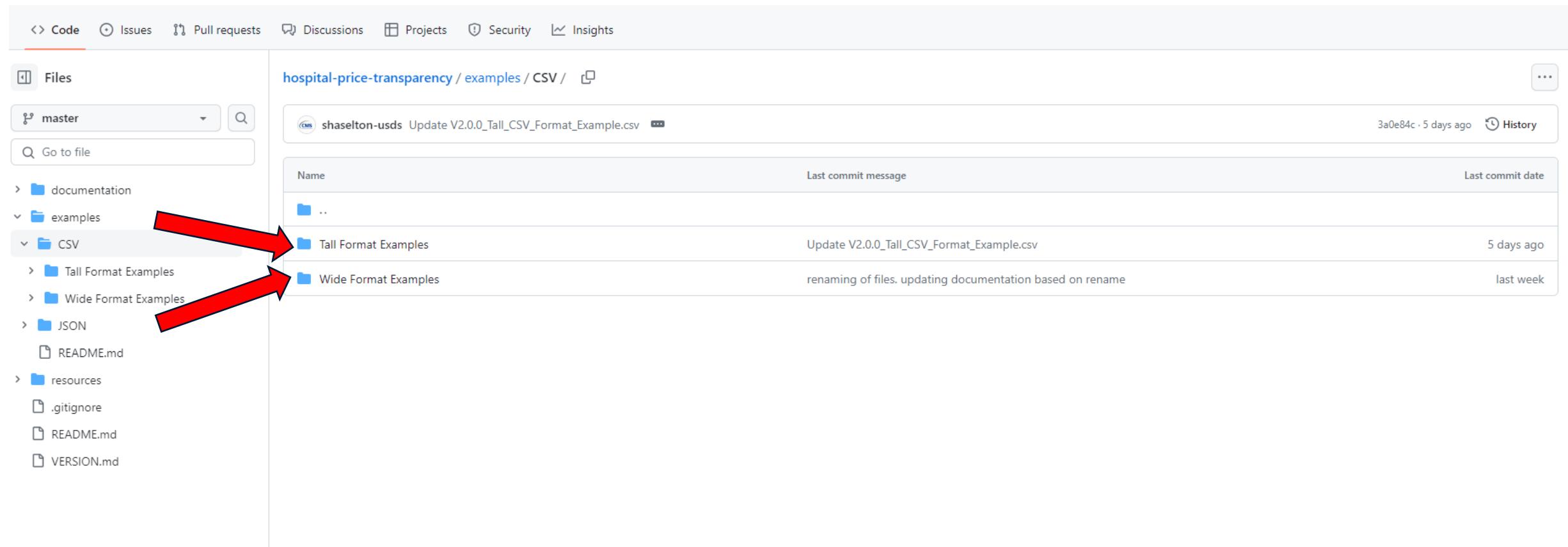
The screenshot shows a GitHub repository page for the CMSgov/hospital-price-transparency repository. The left sidebar shows the repository structure with a red arrow pointing to the 'examples' folder. Inside the 'examples' folder, there are subfolders for 'CSV' and 'JSON'. Another red arrow points to the 'CSV' folder. The main content area displays a table titled 'README.md' comparing scenarios across three formats: Wide CSV Format Example, Tall CSV Format Example, and JSON Format Example.

Scenario	Reference in Wide CSV Format Example	Reference in Tall CSV Format Example	Reference in JSON Format Example
Multiple hospital locations	Row 2, hospital_location	Row 2, hospital_location	Lines 5-7
Case rate: MS-DRG algorithm displayed multiple ways	Rows 4-6, Platform Health Insurance PPO	Rows 4-6	Lines 41-62
Percent of total billed charges	Rows 4-6, Region Health Insurance HMO	Row 7	Lines 65-69
Fee schedule: Standard charge is a percent of a common fee schedule where the standard charge dollar amount can be calculated	Row 7, Platform Health Insurance PPO	Row 8	Lines 92-96
Fee schedule: Standard charge is a percent of a common fee schedule where the standard charge dollar amount cannot be calculated	Row 7, Region Health Insurance HMO	Row 9	Lines 99-104
Per diem: Standard charge does not vary with length of stay	Row 8, Platform Health Insurance PPO	Row 10	Lines 127-130



Accessing Examples

Step 3: For CSV, select “Tall” or “Wide”



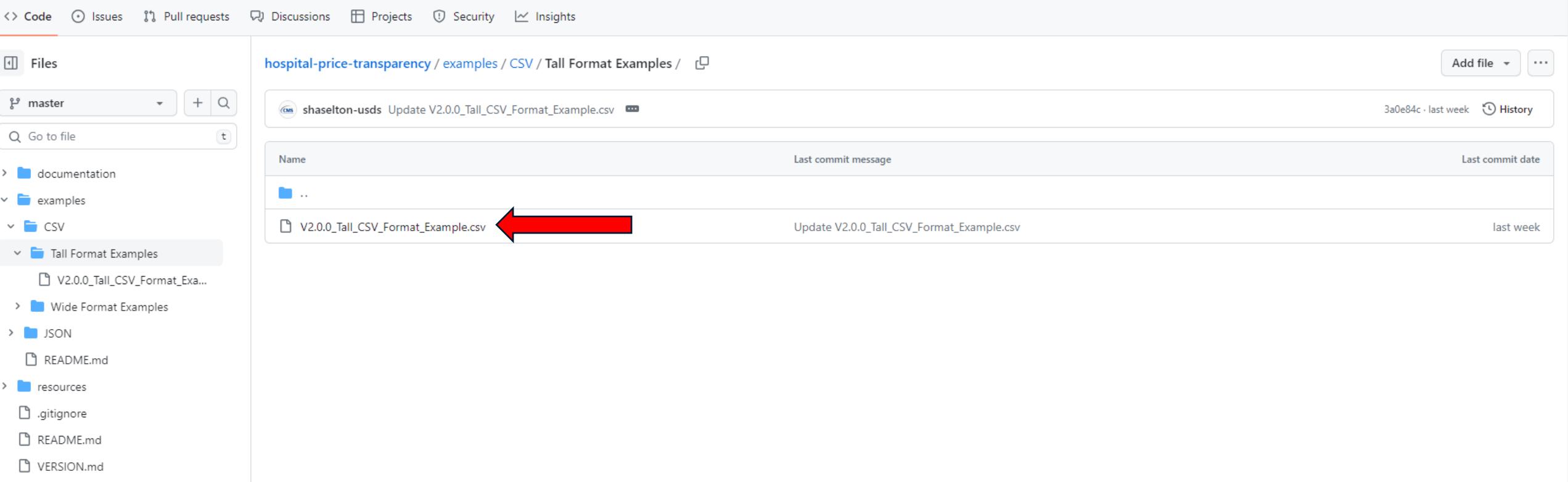
The screenshot shows a GitHub repository interface for the 'hospital-price-transparency' project. The user is in the 'Code' tab, viewing the 'examples/CSV' directory. The 'master' branch is selected. The 'examples' folder contains a 'CSV' folder, which is expanded to show 'Tall Format Examples' and 'Wide Format Examples'. A red arrow points to the 'Tall Format Examples' folder. The 'Wide Format Examples' folder has a commit message indicating it was renamed from 'Tall Format Examples'. The repository also contains documentation, JSON files, resources, and version control files like .gitignore and VERSION.md.

Name	Last commit message	Last commit date
..		
Tall Format Examples	Update V2.0.0_Tall_CSV_Format_Example.csv	5 days ago
Wide Format Examples	renaming of files. updating documentation based on rename	last week



Accessing Examples

Step 4: Once you have selected the desired format, select the example file



The screenshot shows a GitHub repository interface. The left sidebar displays a tree view of files and folders. In the 'examples' folder, there is a 'CSV' folder which contains a 'Tall Format Examples' folder. Inside this folder are two files: 'V2.0.0_Tall_CSV_Format_Exa...' and 'V2.0.0_Tall_CSV_Format_Example.csv'. The 'V2.0.0_Tall_CSV_Format_Example.csv' file is highlighted with a red arrow pointing to its icon. The file details show it was updated by 'shaselton-usds' with the message 'Update V2.0.0_Tall_CSV_Format_Example.csv' on 'last week'. The top navigation bar includes links for Code, Issues, Pull requests, Discussions, Projects, Security, and Insights.

Name	Last commit message	Last commit date
..		
V2.0.0_Tall_CSV_Format_Example.csv	Update V2.0.0_Tall_CSV_Format_Example.csv	last week



Accessing Examples

Step 5: Once you have selected the desired format, you can view the example on GitHub in “Preview” view, “Code” view, or download the example in a separate file.

The screenshot shows two instances of a GitHub repository page for 'hospital-price-transparency / examples / CSV / Tall Format Examples / V2.0.0_Tall_CSV_Format_Example.csv'.
The top instance is in 'Preview' mode, displaying a table with columns: hospital_name, last_updated_on, version, hospital_location, and hospital_address. The data includes entries for West Mercy Hospital and its location details.
The bottom instance is in 'Code' mode, showing the raw CSV file content:

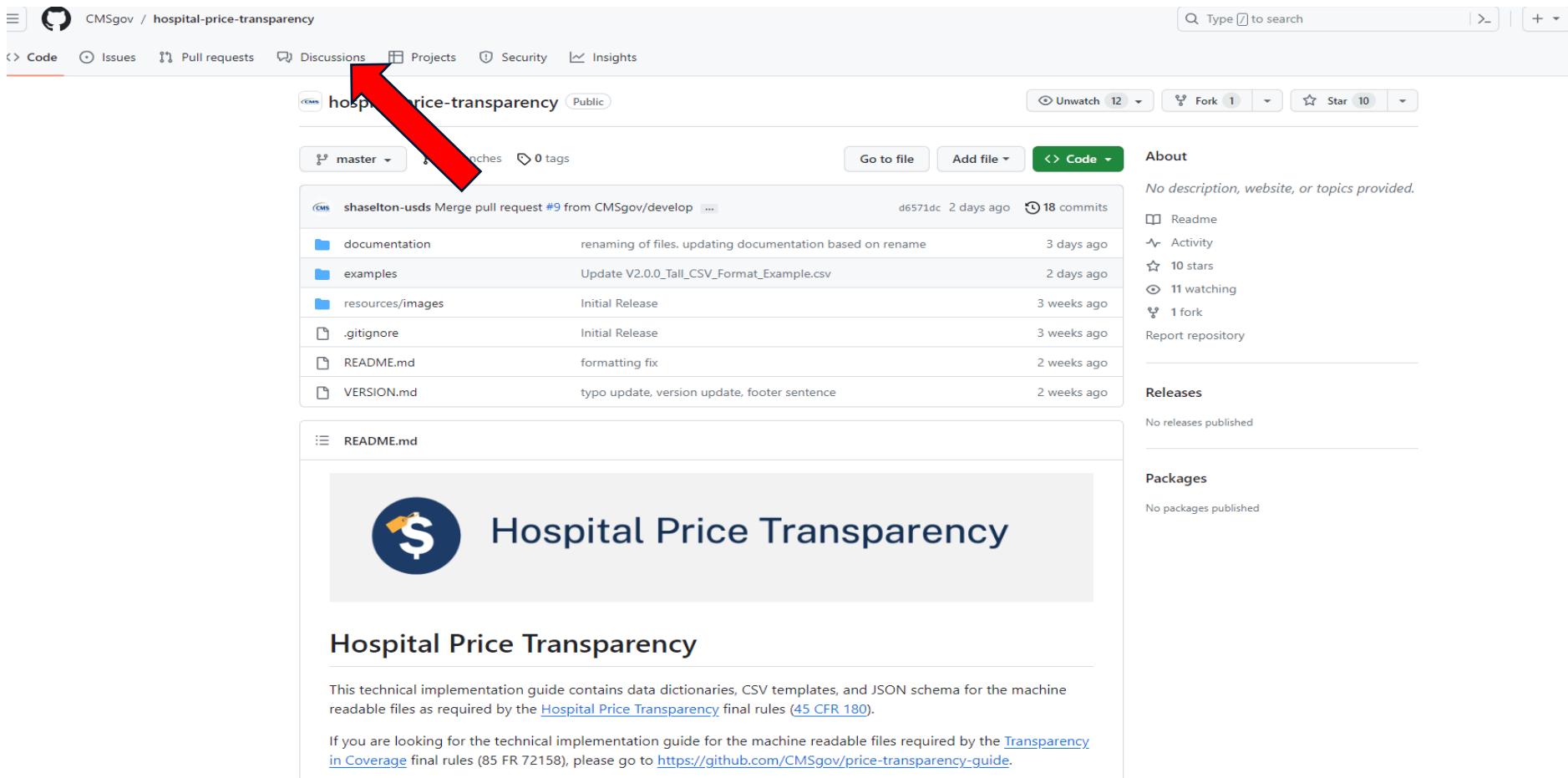
```
1 hospital_name,last_updated_on,version,hospital_location,hospital_address,license_number|CA,"To the best of its knowledge and belief, the hospital has included all applicable standard charge information in accordance with
2 West Mercy Hospital,2024-07-01,2.0.0,West Mercy Hospital|West Mercy Surgical Center,"12 Main Street, Fullerton, CA 92832|23 Ocean Ave, San Jose, CA 94088",50056,true,,,
3 description,code|1 ,code|1|type,code|2 ,code|2|type,modifiers,setting,drug_unit_of_measurement,drug_type_of_measurement,standard_charge|gross,standard_charge|discounted_cash,payer_name,plan_name,standard_charge|negotiated
4 Major hip and knee joint replacement or reattachment of lower extremity without mcc,470,MS-DRG,175869,LOCAL,inpatient,,,Platform Health Insurance,PPO,20000.00,,MS-DRG,22243.34,case rate,20000.00,20000.00,
5 Major hip and knee joint replacement or reattachment of lower extremity without mcc,470,MS-DRG,175869,LOCAL,inpatient,,,Platform Health Insurance,PPO,20000.00,,https://www.cms.gov/Outreach-and-Education/Medicare-Learni
6 Major hip and knee joint replacement or reattachment of lower extremity without mcc,470,MS-DRG,175869,LOCAL,inpatient,,,Platform Health Insurance,PPO,20000.00,,The adjusted base payment rate indicated in the standard_c
```

A red arrow points from the left margin to the 'Preview' tab in the top instance. A blue callout box with the text 'Download the example here' and a red arrow points to the download icon in the top right of the top instance's toolbar. Another red arrow points from the left margin to the 'Code' tab in the bottom instance.



How to Access and Start a Discussion

Step 1: From any page in the GitHub, select “Discussions” at the top to view discussions



A screenshot of a GitHub repository page for 'hospital-price-transparency'. The page shows a list of files and their commit history. A large red arrow points to the 'Discussions' tab in the navigation bar at the top. The repository has 12 unwatched issues, 1 fork, and 10 stars. The README.md file contains a logo and the text 'Hospital Price Transparency'.

repository CMSgov / hospital-price-transparency

Code Issues Pull requests Discussions Projects Security Insights

hospital-price-transparency Public

master 0 branches 0 tags

Go to file Add file <> Code About

No description, website, or topics provided.

Readme Activity 10 stars 11 watching 1 fork Report repository

Releases No releases published

Packages No packages published

shaselton-usds Merge pull request #9 from CMSgov/develop ... d6571dc 2 days ago 18 commits

documentation renaming of files. updating documentation based on rename 3 days ago

examples Update V2.0.0_Tall_CSV_Format_Example.csv 2 days ago

resources/images Initial Release 3 weeks ago

.gitignore Initial Release 3 weeks ago

README.md formatting fix 2 weeks ago

VERSION.md typo update, version update, footer sentence 2 weeks ago

README.md

Hospital Price Transparency

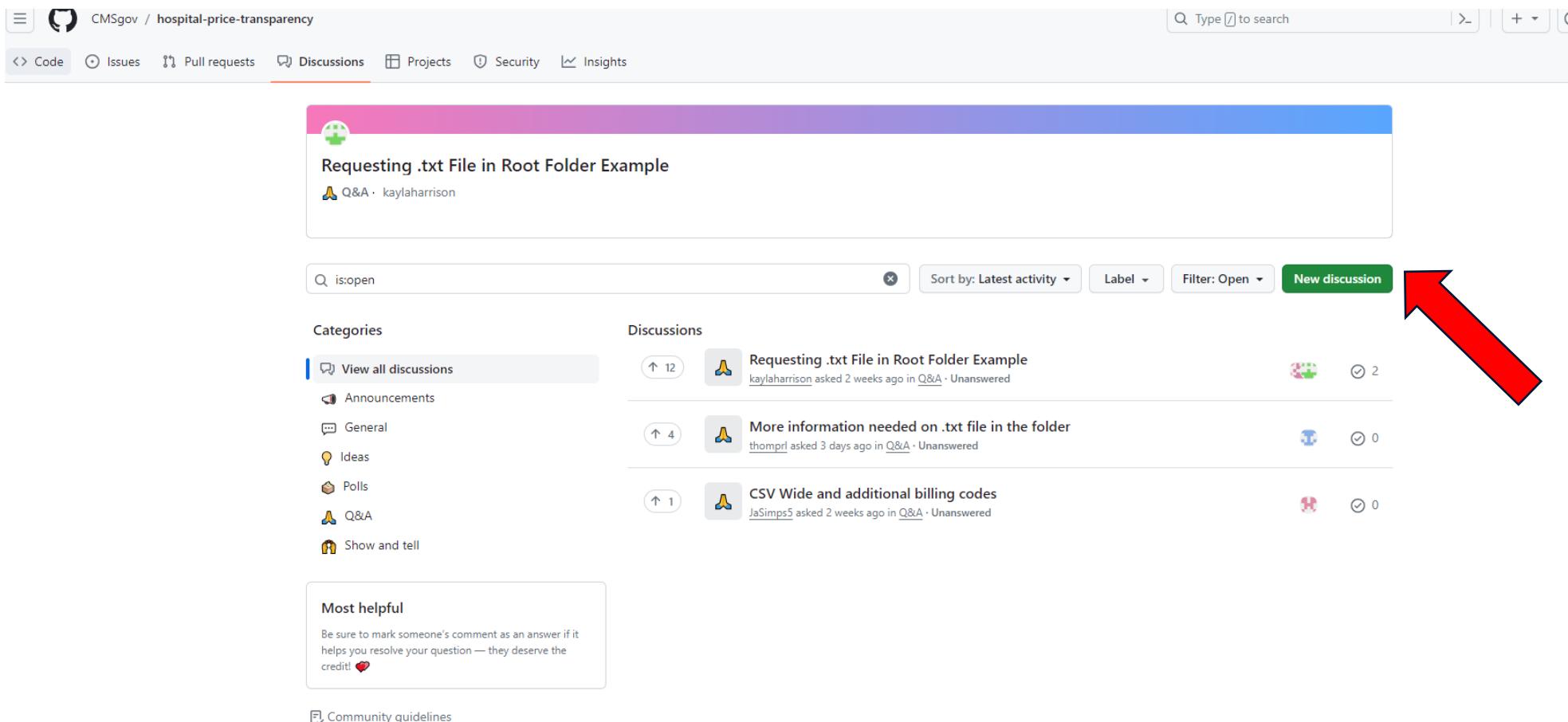
This technical implementation guide contains data dictionaries, CSV templates, and JSON schema for the machine readable files as required by the [Hospital Price Transparency](#) final rules (45 CFR 180).

If you are looking for the technical implementation guide for the machine readable files required by the [Transparency in Coverage](#) final rules (85 FR 72158), please go to <https://github.com/CMSgov/price-transparency-guide>.



How to Access and Start a Discussion

Step 2: To start a new discussion, select “New discussion”



The screenshot shows a GitHub Discussions page for the repository "CMSSgov/hospital-price-transparency". The "Discussions" tab is selected. A search bar contains the query "is:open". Filter buttons include "Sort by: Latest activity", "Label", "Filter: Open", and a prominent green "New discussion" button. A red arrow points to this "New discussion" button. On the left, a sidebar lists categories: "View all discussions" (selected), "Announcements", "General", "Ideas", "Polls", "Q&A", and "Show and tell". A "Most helpful" box encourages marking answers. The main area displays three open discussions:

- Requesting .txt File in Root Folder Example (kaylaharrison, 2 weeks ago, unanswered, 2 comments)
- More information needed on .txt file in the folder (thomprl, 3 days ago, unanswered, 0 comments)
- CSV Wide and additional billing codes (JaSimp5, 2 weeks ago, unanswered, 0 comments)



How to Access and Start a Discussion

Step 3: Select a discussion category and enter in the discussion information

The screenshot shows a GitHub repository interface for 'CMSSgov / hospital-price-transparency'. The 'Discussions' tab is active. The main content area is titled 'Select a discussion category' and lists five categories:

- General**: Chat about anything and everything here. Includes a 'Get started' button.
- Ideas**: Share ideas for new features. Includes a 'Get started' button.
- Polls**: Take a vote from the community. Includes a 'Get started' button.
- Q&A**: Ask the community for help. Answers enabled. Includes a 'Get started' button.
- Show and tell**: Show off something you've made. Includes a 'Get started' button.



Appendix C - Examples



CMS Templates and Data Dictionary are in CMS GitHub

CMS templates are downloadable from GitHub: <https://github.com/CMSgov/hospital-price-transparency/tree/master/documentation/CSV/templates>

- Templates are pre-populated with headers, template version (2.0.0) and the required affirmation statement.

Download the template here

Files

master

Go to file

documentation

CSV

templates

V2.0.0_Tall_CSV_Format_Template.csv

shaselton-usds renaming of files, updating documentation based on rename

Preview Code Blame 3 lines (3 loc) · 788 Bytes

Search this file

1 hospital_name last_updated_on version hospital_location hospital_address license_number[state] To the best of its knowledge and belief, the hospital has included all applicable standard charge information in accordance with the requirement

2

Raw

dec623c · last week History

	hospital_name	last_updated_on	version	hospital_location	hospital_address	license_number[state]	To the best of its knowledge and belief, the hospital has included all applicable standard charge information in accordance with the requirement
1			2.0.0				
2							
3							



Data Dictionary Example: Using Pipes for Encoding Valid Values

Use “Pipes” to indicate a separation for different pieces of information in a single cell.

- Example: your hospital’s standard charges apply to multiple hospital locations/addresses

Data Dictionary Instructions

Column Header (Tall format)	Column Header (Wide format)	Name	Type	Definition	Blanks Accepted
hospital_location	hospital_location	Hospital Location(s)	String	The unique name of the hospital location absent any acronyms.	No

CSV MRF Implementation

	last_updated_on	version	hospital_location	hospital_address
	2024-07-01	2.0.0	West Mercy Hospital West Mercy Surgical Center	12 Main Street, Fullerton, CA 92832 23 Ocean Ave, San Jo...
	code 1	code 1 type	code 2	code 2 type
	470	MS-DRG	175869	LOCAL
	470	MS-DRG	175869	LOCAL



Data Dictionary Example: Use of Pipes and Brackets in Headers

Brackets signal that you must supply relevant information

Example: Hospital license number

Data Dictionary Instructions

Column Header (Tall format)	Column Header (Wide format)	Name	Type	Definition	Blanks Accepted
license_number [state]	license_number [state]	Hospital Licensure Information	String	The hospital license number and the licensing state or territory's two-letter abbreviation for the hospital location(s) indicated in the file. See additional csv placeholder notes for	Yes

CSV MRF Implementation

D	E	F
1 hospital_location	hospital_address	license_number CA
2 West Mercy Hospital West Mercy Surgical Center	12 Main Street, Fullerton, CA 92832 23 Ocean Ave, San Jose, CA 94088	50056



Data Dictionary Example: Required Affirmation Statement

You must include an affirmation statement in the MRF and encode either “true” or “false”

Data Dictionary Instructions

Column Header (Tall format)	Column Header (Wide format)	Name	Type	Definition	Blanks Accepted
Header is <u>Affirmation Statement</u>	Header is <u>Affirmation Statement</u>	Affirmation Statement	Boolean	Required affirmation statement. Valid values: <code>true</code> and <code>false</code> . See <u>additional affirmation notes</u> for more details.	No

CSV MRF Implementation

E	F	G
1 hospital_address 2 12 Main Street, Fullerton, CA 92832 23 Ocean Ave, San Jose, CA 94088	license_number CA 50056	To the best of its knowledge and belief, the hospital has included all applicable standard charge information in accordance with the requirements of 45 CFR 180.50, and the information encoded is true, accurate, and complete as of the date indicated. TRUE

