Package 'healthyR.data'

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`current_asc_data` *Get Current Ambulatory Surgery Center Data.*

Description

Get the current Ambulatory Surgery Center data.

Usage

```
current_asc_data(.data, .data_sets = c("Facility", "State", "National"))
```

Arguments

`.data`	The data that results from the `current_hosp_data()` function.
`.data_sets`	The default is: c("Facility","State","National"), which will bring back all of the data in the Ambulatory Surgery Center data sets that are in the file. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scense only the Ambulatory Surgery Center datasets are available to the function to choose from and `grep` is used to find matches with `ignore.case = TRUE` set.

Details

This function will obtain the current Ambulatory Surgery Center data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current ASC data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_asc_data(.data_sets = c("State","National"))

## End(Not run)
```

`current_asc_oas_cahps_data` *Get Current Ambulatory Surgery Center Quality Reporting Data.*

Description

Get the current Ambulatory Surgery Center data.

Usage

```
current_asc_oas_cahps_data(
  .data,
  .data_sets = c("Facility", "State", "National")
)
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c("Facility","State","National"), which will bring back all of the data sets that are in the Ambulatory Surgery Center OAS CAHPS data sets. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the Ambulatory Surgery Center data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current Ambulatory Surgery Center data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current ASC data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_asc_oas_cahps_data(.data_sets = c("State","National"))

## End(Not run)
```

current_comp_death_data *Get Current Complications and Death Data.*

Description

Get the current complications and death data.

Usage

```
current_comp_death_data(.data, .data_sets = c("Facility", "State", "National"))
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c("Facility","State","National"), which will bring back all of the data sets that are in the Complications and death data sets. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the Complications and Death data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current Complications and Death data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Complications and Death data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data()

current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_comp_death_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_hai_data *Get Current Hospital Associated Infection Data.*

Description

Get the current hospital associated infection data.

Usage

```
current_hai_data(.data, .data_sets = c("Facility", "State", "National"))
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c("Facility","State","National"), which will bring back all of the data sets that are in the hospital associated infections data sets. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the hospital associated infections data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current hospital associated infections data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current hospital associated infection data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_hai_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_hcahps_data *Get Current HCAHPS Data.*

Description

Get the current hcahps data.

Usage

```
current_hcahps_data(.data, .data_sets = c("Facility", "State", "National"))
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c("Facility","State","National"), which will bring back all of the data sets that are in the HCAPS data sets. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the hcahps data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current HCAPHS data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Complications and Death data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_hcahps_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_hosp_data *Download Current Hospital Data Files.*

Description

Download the current Hospital Data Sets.

Usage

```
current_hosp_data(path = utils::choose.dir())
```

Arguments

path	The location to download and unzip the files

Details

This function will download the current and the official hospital data sets from the **CMS.gov** website.

The function makes use of a temporary directory and file to save and unzip the data. This will grab the current Hospital Data Files, unzip them and return a list of tibbles with each tibble named after the data file.

The function returns a list object with all of the current hospital data as a tibble. It does not save the data anywhere so if you want to save it you will have to do that manually.

This also means that you would have to store the data as a variable in order to access the data later on. It does have a given attributes and a class so that it can be piped into other functions.

Value

Downloads the current hospital data sets.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
  current_hosp_data()

## End(Not run)
```

---

current_hosp_data_dict

Download Hospital Data Dictionary

Description

Download the Hospital Data Dictionary

Usage

```
current_hosp_data_dict(.open_folder = FALSE)
```

Arguments

.open_folder	The default is FALSE. If set to TRUE then the folder where the file was saved to will be opened.

Details

This function will download the current Hospital Data Dictionary for the official hospital data sets from the **CMS.gov** website. The function makes use of `utils::choose.dir()` and will ask the user where to save the file.

Value

Downloads the current hospital data dictionary to a place specified by the user.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Examples

```
## Not run:
  current_hosp_data_dict()

## End(Not run)
```

---

current_hvbp_data *Get Current Hospital Value Based Purchasing Data.*

Description

Get the current hospital hospital value based purchasing data.

Usage

```
current_hvbp_data(
  .data,
  .data_sets = c("Outcomes", "Efficiency", "Engagement", "Safety", "TPS")
)
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c("Outcomes","TPS"), which will bring back all of the data sets that are in the hospital VBP data sets. You can choose from the following: • Outcomes • Efficiency • Engagement • Safety • TPS You can also pass things like c("tps","Safety") as behind the scenes only the hospital vbp data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current hospital VBP data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current hospital vbp data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_hvbp_data(.data_sets = c("Outcomes","Safety"))

## End(Not run)
```

`current_ipfqr_data` *Get Current Inpatient Psychiatric Facility Quality Measure Data.*

Description

Get the current Inpatient Psyciatric Facilty data.

Usage

```
current_ipfqr_data(.data, .data_sets = c("Facility", "State", "National"))
```

Arguments

`.data`	The data that results from the `current_hosp_data()` function.
`.data_sets`	The default is: c("Facility","State","National"), which will bring back all of the data in the Inpatient Psyciatric Facilty data sets that are in the file. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the Inpatient Psyciatric Facilty data sets are available to the function to choose from and `grep` is used to find matches with `ignore.case = TRUE` set.

Details

This function will obtain the current Inpatient Psyciatric Facilty data from the output of the `current_hosp_data()` function, that is the required input for the `.data` parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current IPFQR data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: `current_asc_data()`, `current_asc_oas_cahps_data()`, `current_comp_death_data()`, `current_hai_data()`, `current_hcahps_data()`, `current_hosp_data()`, `current_hvbp_data()`, `current_maternal_data()`, `current_medicare_hospital_spending_data()`, `current_oqr_oas_cahps_data()`, `current_outpatient_imaging_efficiency_data()`, `current_payments_data()`, `current_pch_hai_hospital_data()`, `current_pch_hcahps_data()`, `current_pch_oncology_measures_hospital_data()`, `current_pch_outcomes_data()`, `current_timely_and_effective_care_data()`, `current_unplanned_hospital_visits_data`, `current_va_data()`

Examples

```
## Not run:
current_hosp_data() |>
  current_ipfqr_data(.data_sets = c("State","National"))

## End(Not run)
```

`current_maternal_data` *Get Current Maternal Health Data.*

Description

Get the current Maternal Health data.

Usage

```
current_maternal_data(.data, .data_sets = c("Facility", "State", "National"))
```

Arguments

`.data`	The data that results from the `current_hosp_data()` function.
`.data_sets`	The default is: c("Facility","State","National"), which will bring back all of the data in the Maternal Health data sets that are in the file. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the Maternal Health data sets are available to the function to choose from and `grep` is used to find matches with `ignore.case = TRUE` set.

Details

This function will obtain the current Maternal Health data from the output of the `current_hosp_data()` function, that is the required input for the `.data` parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Maternal Health data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_maternal_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_medicare_hospital_spending_data

Get Current Medicare Hospital Spending Data.

Description

Get the current Medicare Hospital Spending data.

Usage

```
current_medicare_hospital_spending_data(
  .data,
  .data_sets = c("Claim", "Facility", "State", "National")
)
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c("Claim","Facility","State","National"), which will bring back all of the data in the Medicare Hospital Spending data sets that are in the file. You can choose from the following: • Claim • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the Medicare Hospital Spending data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current Medicare Hospital Spending data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Medicare Hospital Spending data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effecti current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_maternal_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_oqr_oas_cahps_data

Get Current OAS CAHPS Data.

Description

Get the current OAS CAHPS data.

Usage

```
current_oqr_oas_cahps_data(
  .data,
  .data_sets = c("Facility", "State", "National")
)
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c("Claim","Facility","State","National"), which will bring back all of the data in the OAS CAHPS data sets that are in the file. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the OAS CAHPS data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current OAS CAHPS data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current OAS CAHPS data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_maternal_data(.data_sets = c("State","National"))

## End(Not run)
```

`current_outpatient_imaging_efficiency_data` *Get Current Imaging Efficiency Data.*

Description

Get the current Imaging Efficiency data.

Usage

```
current_outpatient_imaging_efficiency_data(
  .data,
  .data_sets = c("Facility", "State", "National")
)
```

Arguments

`.data`	The data that results from the `current_hosp_data()` function.
`.data_sets`	The default is: c("Claim","Facility","State","National"), which will bring back all of the data in the Imaging Efficiency data sets that are in the file. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the Imaging Efficiency data sets are available to the function to choose from and `grep` is used to find matches with `ignore.case = TRUE` set.

Details

This function will obtain the current Imaging Efficiency data from the output of the `current_hosp_data()` function, that is the required input for the `.data` parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Imaging Efficiency data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_outpatient_imaging_efficiency_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_payments_data *Get Current Payments Data.*

Description

Get the current Payments data.

Usage

```
current_payments_data(.data, .data_sets = c("Facility", "State", "National"))
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c(Facility","State","National"), which will bring back all of the data in the Payments data sets that are in the file. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the Payments data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current Payments data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Payments data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_pch_hai_hospital_d current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_payments_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_pch_hai_hospital_data

Get Current PCH HAI Hospital Data.

Description

Get the current PCH HAI Hospital data.

Usage

```
current_pch_hai_hospital_data(.data)
```

Arguments

.data	The data that results from the current_hosp_data() function.

Details

This function will obtain the current PCH HAI Hospital data from the output of the current_hosp_data() function, that is the required input for the .data parameter. This function only returns a single object.

Value

Gets the current PCH HCAHPS data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_pch_hai_hospital_data()

## End(Not run)
```

---

current_pch_hcahps_data

Get Current PCH HCAHPS Data.

Description

Get the current PCH HCAHPS data.

Usage

```
current_pch_hcahps_data(.data, .data_sets = c("Facility", "State", "National"))
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c(Facility","State","National"), which will bring back all of the data in the PCH HCAHPS data sets that are in the file. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the PCH HCAHPS data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current PCH HCAHPS data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current PCH HCAHPS data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_oncology_measures_hospital_data(), current_pch_outcomes_
current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_pch_hcahps_data(.data_sets = c("State","National"))

## End(Not run)
```

current_pch_oncology_measures_hospital_data *Get Current PCH Oncology Measures Data.*

Description

Get the current PCH Oncology Measures data.

Usage

```
current_pch_oncology_measures_hospital_data(.data)
```

Arguments

.data	The data that results from the current_hosp_data() function.

Details

This function will obtain the current PCH Oncology Measures data from the output of the current_hosp_data() function, that is the required input for the .data parameter. This function only returns a single object.

Value

Gets the current PCH Oncology Measures Hospital data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_pch_oncology_measures_hospital_data()

## End(Not run)
```

current_pch_outcomes_data *Get Current PCH Outcomes Data.*

Description

Get the current PCH Outcomes data.

Usage

```
current_pch_outcomes_data(.data, .data_sets = c("Facility", "National"))
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c(Facility","National"), which will bring back all of the data in the PCH HCAHPS data sets that are in the file. You can choose from the following: • Facility • National You can also pass things like c("state","Nation") as behind the scenes only the PCH Outcomes data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current PCH Outcomes data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current PCH Outcomes data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_da current_timely_and_effective_care_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_pch_outcomes_data(.data_sets = c("Facility", "National"))

## End(Not run)
```

`current_timely_and_effective_care_data` *Get Current Timely & Effective Care Data.*

Description

Get the current Timely & Effective Care data.

Usage

```
current_timely_and_effective_care_data(
  .data,
  .data_sets = c("Facility", "State", "National")
)
```

Arguments

`.data`	The data that results from the `current_hosp_data()` function.
`.data_sets`	The default is: c(Facility","State","National"), which will bring back all of the data in the Timely & Effective Care data sets that are in the file. You can choose from the following: • Facility • National • State You can also pass things like c("state","Nation") as behind the scenes only the Timely & Effective Care data sets are available to the function to choose from and `grep` is used to find matches with `ignore.case = TRUE` set.

Details

This function will obtain the current Timely & Effective Care data from the output of the `current_hosp_data()` function, that is the required input for the `.data` parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Timely & Effective Care data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_da current_pch_outcomes_data(), current_unplanned_hospital_visits_data, current_va_data()

Examples

```
## Not run:
current_hosp_data() |>
  current_timely_and_effective_care_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_unplanned_hospital_visits_data

Get Current Unplanned Hospital Visits Data.

Description

Get the current Unplanned Hospital Visits data.

Usage

```
current_unplanned_hospital_vists_data(
  .data,
  .data_sets = c("Facility", "State", "National")
)
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c(Facility","State","National"), which will bring back all of the data in the Unplanned Hospital Visits data sets that are in the file. You can choose from the following: • Facility • National • State

You can also pass things like c("state","Nation") as behind the scenes only the Unplanned Hospital Visits data sets are available to the function to choose from and `grep` is used to find matches with `ignore.case = TRUE` set.

Details

This function will obtain the current Unplanned Hospital Visits data from the output of the `current_hosp_data()` function, that is the required input for the `.data` parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Unplanned Hospital Visits data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: `current_asc_data()`, `current_asc_oas_cahps_data()`, `current_comp_death_data()`, `current_hai_data()`, `current_hcahps_data()`, `current_hosp_data()`, `current_hvbp_data()`, `current_ipfqr_data()`, `current_maternal_data()`, `current_medicare_hospital_spending_data()`, `current_oqr_oas_cahps_data()`, `current_outpatient_imaging_efficiency_data()`, `current_payments_data()`, `current_pch_hai_hospital_data()`, `current_pch_hcahps_data()`, `current_pch_oncology_measures_hospital_da`
`current_pch_outcomes_data()`, `current_timely_and_effective_care_data()`, `current_va_data()`

Examples

```
## Not run:
current_hosp_data() |>
  current_unplanned_hospital_visits_data(.data_sets = c("State","National"))

## End(Not run)
```

---

current_va_data *Get Current Veterans Affairs Data.*

Description

Get the current Veterans Affairs data.

Usage

```
current_va_data(.data, .data_sets = c("Behavioral", "Timely", "Provider"))
```

Arguments

.data	The data that results from the current_hosp_data() function.
.data_sets	The default is: c(Facility","State","National"), which will bring back all of the data in the Veterans Affairs data sets that are in the file. You can choose from the following: • Behavioral • Timely • Provider You can also pass things like c("behavioral","Provider") as behind the scenes only the Veterans Affairs data sets are available to the function to choose from and grep is used to find matches with ignore.case = TRUE set.

Details

This function will obtain the current Veterans Affairs data from the output of the current_hosp_data() function, that is the required input for the .data parameter. You can pass in a list of which of those data sets you would like,

Value

Gets the current Veterans Affairs data from the current hospital data file.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/provider-data/topics/hospitals/

Other Hospital Data: current_asc_data(), current_asc_oas_cahps_data(), current_comp_death_data(), current_hai_data(), current_hcahps_data(), current_hosp_data(), current_hvbp_data(), current_ipfqr_data(), current_maternal_data(), current_medicare_hospital_spending_data(), current_oqr_oas_cahps_data(), current_outpatient_imaging_efficiency_data(), current_payments_data(), current_pch_hai_hospital_data(), current_pch_hcahps_data(), current_pch_oncology_measures_hospital_da current_pch_outcomes_data(), current_timely_and_effective_care_data(), current_unplanned_hospital_vis

Examples

```
## Not run:
current_hosp_data() |>
  current_va_data(.data_sets = c("Behavioral"))

## End(Not run)
```

`fetch_cms_data` *Fetch Data as Tibble*

Description

This function retrieves data from the provided link and returns it as a tibble with cleaned names. This function is intended to be used with the CMS data API function `get_cms_meta_data`.

Usage

```
fetch_cms_data(.data_link)
```

Arguments

`.data_link`	A character string containing the URL to fetch data from.

Details

The function sends a request to the provided URL using `httr2::request` and `httr2::req_perform`. If the response status is not 200, it stops with an error message indicating the failure. The response body is parsed as JSON and converted into a tibble using `dplyr::as_tibble`. The column names are cleaned using `janitor::clean_names`, and any character columns are stripped of leading and trailing whitespace using `stringr::str_squish`.

Value

A tibble containing the fetched data with cleaned names. If an error occurs, returns `NULL`.

See Also

`get_cms_meta_data`

Examples

```
library(dplyr)

# Example usage:
base_url <- "https://data.cms.gov/data-api/v1/dataset/"
data_identifier <- "9767cb68-8ea9-4f0b-8179-9431abc89f11"
data_url <- paste0(base_url, data_identifier, "/data")

df_tbl <- fetch_cms_data(data_url)

df_tbl |>
 head(1) |>
 glimpse()
```

`fetch_provider_data` *Fetch Provider Data as Tibble or Download CSV*

Description

This function retrieves provider data from the provided link and returns it as a tibble with cleaned names or downloads the data as a CSV file if the link ends in .csv. This function is intended to be used with the CMS provider data API.

Usage

```
fetch_provider_data(.data_link, .limit = 500)
```

Arguments

`.data_link`	A character string containing the URL to fetch data from.
`.limit`	An integer specifying the maximum number of rows to fetch. Default is 500. If set to 0, all records will be returned.

Details

The function sends a request to the provided URL using `httr2::request` and `httr2::req_perform`. If the response status is not 200, it stops with an error message indicating the failure. If the URL ends in .csv, it uses `utils::download.file` to download the CSV file to a directory chosen by the user. Otherwise, the response body is parsed as JSON and converted into a tibble using `dplyr::as_tibble`. The column names are cleaned using `janitor::clean_names`, and any character columns are stripped of leading and trailing whitespace using `stringr::str_squish`. The default limit for a return on records is 500. If the limit is set to 0, all records will be returned.

Value

A tibble containing the fetched data with cleaned names, or downloads a CSV file to the user-selected directory. If an error occurs, returns `NULL`.

See Also

`get_provider_meta_data`

Examples

```
library(dplyr)

# Example usage:
data_url <- "069d-826b"

df_tbl <- fetch_provider_data(data_url, .limit = 1)

df_tbl |>
```

```
glimpse()
```

`get_cms_meta_data` *Retrieve CMS Metadata Links from CMS*

Description

This function sends a request to the specified CMS data URL, retrieves the JSON data, and processes it to create a tibble with relevant information about the datasets.

Usage

```
get_cms_meta_data(
  .title = NULL,
  .modified_date = NULL,
  .keyword = NULL,
  .identifier = NULL,
  .data_version = "current",
  .media_type = "all"
)
```

Arguments

`.title`	This can be a title that is used to search the data.
`.modified_date`	This can be a date in the format of "YYYY-MM-DD"
`.keyword`	This can be a keyword that is used to search the data.
`.identifier`	This can be an identifier that is used to search the data.
`.data_version`	This can be one of three different choices: "current", "archive", or "all". The default is "current" and if you make a choice that does not exist then it will default to "current".
`.media_type`	This can be one of three different choices: "all", "csv", "API", or "other". The default is "all" and if you make a choice that does not exist then it will default to "all".

Details

The function fetches JSON data from the CMS data URL and extracts relevant fields to create a tidy tibble. It selects specific columns, handles nested lists by unnesting them, cleans column names, and processes dates and media types to make the data more useful for analysis. Dates use the CMS ISO format (YYYY-MM-DD). Missing or invalid dates are returned as `NA`. Temporal values without an end date have an `NA` end date; open interval endpoints are also returned as `NA`. The columns in the returned tibble are:

- `title`
- `description`

- landing_page
- modified
- keyword
- described_by
- fn
- has_email
- identifier
- start
- end
- references
- distribution_description
- distribution_title
- distribution_modified
- distribution_start
- distribution_end
- media_type
- data_link

Value

A tibble with data links and relevant metadata about the datasets.

Author(s)

Steven P. Sanderson II, MPH

See Also

https://data.cms.gov/data.json

Other Meta Data: get_provider_meta_data()

Examples

```
library(dplyr)

# Fetch and process metadata from the CMS data URL
get_cms_meta_data(
  .keyword = "nation",
  .title = "Market Saturation & Utilization State-County"
) |>
  glimpse()
```

`get_provider_meta_data` *Retrieve Provider Metadata from CMS*

Description

This function sends a request to the specified CMS metadata URL, retrieves the JSON data, and processes it to create a tibble with relevant information about the datasets.

Usage

```
get_provider_meta_data(
  .identifier = NULL,
  .title = NULL,
  .description = NULL,
  .keyword = NULL,
  .issued = NULL,
  .modified = NULL,
  .released = NULL,
  .theme = NULL,
  .media_type = NULL
)
```

Arguments

`.identifier`	A dataset identifier to filter the data.
`.title`	A title to filter the data.
`.description`	A description to filter the data.
`.keyword`	A keyword to filter the data.
`.issued`	A date when the dataset was issued to filter the data.
`.modified`	A date when the dataset was modified to filter the data.
`.released`	A date when the dataset was released to filter the data.
`.theme`	A theme to filter the data.
`.media_type`	A media type to filter the data.

Details

The function fetches JSON data from the CMS metadata URL and extracts relevant fields to create a tidy tibble. It selects specific columns, handles nested lists by unnesting them, cleans column names, and processes dates and media types to make the data more useful for analysis. The columns in the returned tibble are:

- `identifier`
- `title`

- description
- keyword
- issued
- modified
- released
- theme
- media_type
- download_url
- contact_fn
- contact_email
- publisher_name

Value

A tibble with metadata about the datasets.

See Also

https://data.cms.gov/provider-data/api/1/metastore/schemas/dataset/items

Other Meta Data: get_cms_meta_data()

Examples

```
library(dplyr)

# Fetch and process metadata from the CMS data URL
get_provider_meta_data(.identifier = "3614-1eef") |>
  glimpse()
```

---

healthyR_data *Main data file for healthyR*

Description

A dataset containing many common items found in an administrative dataset at a hospital.

Usage

```
data(healthyR_data)
```

Format

A data frame with 187,721 rows and 17 variables

Details

- mrn. Medical Record Number. Unique patient identifier.
- visit_id. Unique hospital Visit ID. Tied to an mrn
- visit_start_date_time. The starting datetime of a visit_id
- visit_end_date_time. The ending datetime of a visit_id
- total_charge_amount. The total charge in dollars for a visit_id
- total_amount_due. The toal amount of money still due to a visit_id
- total_adjustment_amount. The toal amount of money adjusted off of an account for various reasons
- payer_grouping. The insurance classification of a visit_id
- total_payment_amount. The total amount of money paid on a visit_id
- ip_op_flag. A flag that indicates if the patient was admitted or was an outpatient
- service_line. The hospital service line for the visit_id
- length_of_stay. The total days a visit_id was admitted to the hospital
- expected_length_of_stay. The total days a visit_id was expected to be admitted
- lnmgth_of_stay_threshold. The threshold of the length_of_stay variable before the visit_id is considered to be an outlier
- los_outler_flag. A binary indicator of whether or not a visit_id was above the threshold
- readmit_flag. A binary indicator of whether or not a visit_id was admitted in 30 days
- readmit_expectation. The readmit rate for the particular visit computed from a benchmark

---

is_valid_url *Check if a URL is valid*

Description

This function validates a URL by checking the presence of a scheme and a hostname in the parsed URL.

Usage

```
is_valid_url(url)
```

Arguments

`url`	A character string representing the URL to be checked.

Details

The function uses the `httr2::url_parse` function to parse the URL and checks if the parsed URL contains a scheme and a hostname. If either is missing, the URL is considered invalid.

Value

A logical value: TRUE if the URL is valid, FALSE otherwise.

Author(s)

Steven P. Sanderson II, MPH

Examples

```
is_valid_url("https://www.example.com") # TRUE
is_valid_url("not_a_url") # FALSE
```

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