Hospital Compare Database Recommendations

Overview

As part of the Measure and Instrument Development and Support (MIDS) Hospital Quality Initiatives (HQI) contract, the HCSC team is responsible for providing recommendations to improve the Hospital Compare databases. This document provides the recommended file names and column headers based on feedback from Hospital Compare contractors, data providers, and the HCSC team for the Microsoft Access database and CSV Flat Files—Revised.[1] Please note, archived Hospital Compare data are now also available on http://data.medicare.gov/data/hospital-compare.

General Recommendations for Improvement[2]

The Hospital Compare databases are recommended to be updated as follows:

- All file names should contain 32 characters or less to increase data importing abilities.

- All measure results should have a corresponding footnote column.

- All files should have a measure start and end date column.

- File names and column headers for subsequent releases should be consistent.

- Similar column names should be used across measure sets for consistency.

- Measure IDs should be included with the measure name.

- Measure names should be the name as displayed on Hospital Compare.

- Data.Medicare.Gov should mirror the CSV Flat Files—Revised column headers and files names.

- Access Files and CSV Flat Files—Revised should have 1:1 mapping.

- Files that contain duplicative information should be combined for consistency.

Recommended Access and CSV Flat Files—Revised Database File Layout for Duplicative Files

General recommendations provided by the Hospital Compare contractors for removing and combing duplicative files are available in the recommended file layouts in Tables 1–6. These tables contain current files that were combined or removed to create the recommended file layouts. Additional information regarding the current files that were combined or removed can be found in Appendices A and B.

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[1] These recommendations may be subject to change.

[2] The Hospital Value Based Purchasing (HVBP), Inpatient Psychiatric Facility Quality Reporting (IPFQR), Readmission Reduction Program, and Spending Breakdown by Claim files should mirror the April 2014 Hospital Compare downloadable database column and file names.

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Table 1—Readmissions Complications and Deaths National Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_NATIONAL_ReadmCompDeath**	**Readmissions Complications and Deaths—National**
Column 1	Measure Name	Measure Name
Column 2	Measure ID	Measure ID
Column 3	National Rate	National Rate
Column 4	Number of Hospitals Worse	Number of Hospitals Worse
Column 5	Number of Hospitals Same	Number of Hospitals Same
Column 6	Number of Hospitals Better	Number of Hospitals Better
Column 7	Number of Hospitals Too Few	Number of Hospitals Too Few
Column 8	Footnote	Footnote
Column 9	Measure Start Date	Measure Start Date
Column 10	Measure End Date	Measure End Date

Table 2—Readmissions Complications and Deaths State Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_STATE_ReadmCompDeath**	**Readmissions Complications and Deaths—State**
Column 1	State	State
Column 2	Measure Name	Measure Name
Column 3	Measure ID	Measure ID
Column 4	Number of Hospitals Worse	Number of Hospitals Worse
Column 5	Number of Hospitals Same	Number of Hospitals Same
Column 6	Number of Hospitals Better	Number of Hospitals Better
Column 7	Number of Hospitals Too Few	Number of Hospitals Too Few
Column 8	Footnote	Footnote
Column 9	Measure Start Date	Measure Start Date
Column 10	Measure End Date	Measure End Date

Table 3—Readmissions Complications and Deaths Hospital Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_HOSP_ReadmCompDeath**	**Readmissions Complications and Deaths—Hospital**
Column 1	Provider ID	Provider ID
Column 2	Hospital Name	Hospital Name
Column 3	Measure Name	Address
Column 4	Measure ID	City
Column 5	Compared to National	State
Column 6	Denominator	ZIP Code
Column 7	Score	County Name
Column 8	Lower Estimate	Phone Number
Column 9	Higher Estimate	Measure Name
Column 10	Footnote	Measure ID
Column 11	Measure Start Date	Compared to National
Column 12	Measure End Date	Denominator
Column 13		Score
Column 14		Lower Estimate
Column 15		Higher Estimate
Column 16		Footnote
Column 17		Measure Start Date
Column 18		Measure End Date

Table 4—Timely and Effective Care National		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_NATIONAL_TimelyEffectiveCare**	**Timely and Effective Care—National**
Column 1	Measure Name	Measure Name
Column 2	Measure ID	Measure ID
Column 3	Condition	Condition
Column 4	Category	Category
Column 5	Score	Score
Column 6	Footnote	Footnote
Column 7	Measure Start Date	Measure Start Date
Column 8	Measure End Date	Measure End Date

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Database Type	Table 5—Timely and Effective Care State Results	
	Microsoft Access	**CSV Flat Files—Revised**
File Name	**HQI_STATE_TimelyEffectiveCare**	**Timely and Effective Care—State**
Column 1	State	State
Column 2	Condition	Condition
Column 3	Measure Name	Measure Name
Column 4	Measure ID	Measure ID
Column 5	Score	Score
Column 6	Footnote	Footnote
Column 7	Measure Start Date	Measure Start Date
Column 8	Measure End Date	Measure End Date

Database Type	Table 6—Timely and Effective Care Measures—Hospital Results	
	Microsoft Access	**CSV Flat Files—Revised**
File Name	**HQI_HOSP_TimelyEffectiveCare**	**Timely and Effective Care—Hospital**
Column 1	Provider ID	Provider ID
Column 2	Hospital Name	Hospital Name
Column 3	Condition	Address
Column 4	Measure ID	City
Column 5	Measure Name	State
Column 6	Score	ZIP Code
Column 7	Sample	County Name
Column 8	Footnote	Phone Number
Column 9	Measure Start Date	Condition
Column 10	Measure End Date	Measure ID
Column 11		Measure Name
Column 12		Score
Column 13		Sample
Column 14		Footnote
Column 15		Measure Start Date
Column 16		Measure End Date

Recommended Access and CSV Flat Files—Revised Database File Layout

Tables 7–27 follow the general recommendations for improvement.

Database Type	Microsoft Access	CSV Flat Files—Revised and Data.Medicare.Gov
Table 7—Healthcare Associated Infections National Results		
File Name	**HQI_NATIONAL_HAI**	**Healthcare Associated Infections—National**
Column 1	Measure Name	Measure Name
Column 2	Measure ID	Measure ID
Column 3	Score	Score
Column 4	Footnote	Footnote
Column 5	Measure Start Date	Measure Start Date
Column 6	Measure End Date	Measure End Date

Database Type	Microsoft Access	CSV Flat Files—Revised and Data.Medicare.Gov
Table 8—Healthcare Associated Infections State Results		
File Name	**HQI_STATE_HAI**	**Healthcare Associated Infections—State**
Column 1	State	State
Column 2	Measure Name	Measure Name
Column 3	Measure ID	Measure ID
Column 4	Score	Score
Column 5	Footnote	Footnote
Column 6	Measure Start Date	Measure Start Date
Column 7	Measure End Date	Measure End Date

Database Type	Microsoft Access	CSV Flat Files—Revised and Data.Medicare.Gov
Table 9—Healthcare Associated Infections Hospital Results		
File Name	**HQI_HOSP_HAI**	**Healthcare Associated Infections—Hospital**
Column 1	Provider ID	Provider ID
Column 2	Measure Name	Hospital Name
Column 3	Measure ID	Address
Column 4	Compared to National	City
Column 5	Score	State

Table 9—Healthcare Associated Infections Hospital Results		
Database Type	Microsoft Access	CSV Flat Files—Revised and Data.Medicare.Gov
File Name	HQI_HOSP_HAI	Healthcare Associated Infections—Hospital
Column 6	Footnote	ZIP Code
Column 7	Measure Start Date	County Name
Column 8	Measure End Date	Phone Number
Column 9		Measure Name
Column 10		Measure ID
Column 11		Compared to National
Column 12		Score
Column 13		Footnote
Column 14		Measure Start Date
Column 15		Measure End Date

Table 10—Footnotes		
Database Type	Microsoft Access	CSV Flat Files—Revised
File Name	HQI_FTNT	Footnote Crosswalk
Column 1	Footnote	Footnote
Column 2	Footnote Text	Footnote Text

Table 11—HCAHPS National Results		
Database Type	Microsoft Access	CSV Flat Files—Revised
File Name	HQI_NATIONAL_HCAHPS	HCAHPS—National
Column 1	HCAHPS Measure ID	HCAHPS Measure ID
Column 2	HCAHPS Question	HCAHPS Question
Column 3	HCAHPS Answer Description	HCAHPS Answer Description
Column 4	HCAHPS Answer Percent	HCAHPS Answer Percent
Column 5	Footnote	Footnote
Column 6	Measure Start Date	Measure Start Date
Column 7	Measure End Date	Measure End Date

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	Table 12—HCAHPS State Results	
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_STATE_HCAHPS**	**HCAHPS—State**
Column 1	State	State
Column 2	HCAHPS Question	HCAHPS Question
Column 3	HCAHPS Measure ID	HCAHPS Measure ID
Column 4	HCAHPS Answer Description	HCAHPS Answer Description
Column 5	HCAHPS Answer Percent	HCAHPS Answer Percent
Column 6	Footnote	Footnote
Column 7	Measure Start Date	Measure Start Date
Column 8	Measure End Date	Measure End Date

	Table 13—HCAHPS Hospital Results	
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_HOSP_HCAHPS**	**HCAHPS—Hospital**
Column 1	Provider ID	Provider ID
Column 2	Hospital Name	Hospital Name
Column 3	State	Address
Column 4	HCAHPS Measure ID	City
Column 5	HCAHPS Question	State
Column 6	HCAHPS Answer Description	ZIP Code
Column 7	HCAHPS Answer Percent	County Name
Column 8	Number of Completed Surveys	Phone Number
Column 9	Survey Response Rate Percent	HCAHPS Measure ID
Column 10	Footnote	HCAHPS Question
Column 11	Measure Start Date	HCAHPS Answer Description
Column 12	Measure End Date	HCAHPS Answer Percent
Column 13		Number of Completed Surveys
Column 14		Survey Response Rate Percent
Column 15		Footnote
Column 16		Measure Start Date
Column 17		Measure End Date

Table 14—Structural Measures Hospital Results

Database Type	Microsoft Access	CSV Flat Files—Revised
File Name	HQI_HOSP_STRUCTURAL	Structural Measures—Hospital
Column 1	Provider ID	Provider ID
Column 2	Hospital Name	Hospital Name
Column 3	State	Address
Column 4	Measure ID	City
Column 5	Measure Name	State
Column 6	Measure Response	ZIP Code
Column 7	Footnote	County Name
Column 8	Measure Start Date	Phone Number
Column 9	Measure End Date	Measure Name
Column 10		Measure ID
Column 11		Measure Response
Column 12		Footnote
Column 13		Measure Start Date
Column 14		Measure End Date

Table 15—Hospital Characteristics

Database Type	Microsoft Access	CSV Flat Files—Revised
File Name	HQI_HOSP	Hospital General Information
Column 1	Provider ID	Provider ID
Column 2	Hospital Name	Hospital Name
Column 3	Address	Address
Column 4	City	City
Column 5	State	State
Column 6	ZIP Code	ZIP Code
Column 7	County Name	County Name
Column 8	Phone Number	Phone Number
Column 9	Hospital Type	Hospital Type
Column 10	Hospital Ownership	Hospital Ownership
Column 11	Emergency Services	Emergency Services
Column 12		Location[3]

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[3] This column name is only used on Data.Medicare.gov.

Table 16—Data Collection Periods		
Database Type	Microsoft Access	CSV Flat Files—Revised
File Name	Measure_Dates	Measure Dates
Column 1	Measure_Name	Measure Name
Column 2	Measure_ID	Measure ID
Column 3	Measure_Start_Quarter	Measure Start Quarter
Column 4	Measure_Start_Date	Measure Start Date
Column 5	Measure_End_Quarter	Measure End Quarter
Column 6	Measure_End_Date	Measure End Date

Table 17—Medicare Hospital Spending per Patient National Results		
Database Type	Microsoft Access	CSV Flat Files—Revised
File Name	HQI_NATIONAL_SPP	Medicare Hospital Spending per Patient—National
Column 1	Measure ID	Measure Name
Column 2	Score	Measure ID
Column 3	Footnote	Score
Column 4	Measure Start Date	Footnote
Column 5	Measure End Date	Measure Start Date
Column 6		Measure End Date

Table 18—Medicare Hospital Spending per Patient State Results		
Database Type	Microsoft Access	CSV Flat Files—Revised
File Name	HQI_STATE_SPP	Medicare Hospital Spending per Patient—State
Column 1	State	State
Column 2	Measure ID	Measure Name
Column 3	Score	Measure ID
Column 4	Footnote	Score
Column 5	Measure Start Date	Footnote
Column 6	Measure End Date	Measure Start Date
Column 7		Measure End Date

Table 19—Medicare Hospital Spending per Patient Hospital Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_HOSP_SPP**	**Medicare Hospital Spending per Patient—Hospital**
Column 1	Provider ID	Provider ID
Column 2	Measure ID	Hospital Name
Column 3	Score	Address
Column 4	Footnote	City
Column 5	Measure Start Date	State
Column 6	Measure End Date	ZIP Code
Column 7		County Name
Column 8		Phone Number
Column 9		Measure Name
Column 10		Measure ID
Column 11		Score
Column 12		Footnote
Column 13		Measure Start Date
Column 14		Measure End Date

Table 20—Medicare Volume National Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_NATIONAL_MV**	**Medicare Volume—National**
Column 1	Diagnosis Related Group ID	Diagnosis Related Group
Column 2	Diagnosis Related Group Name	Denominator
Column 3	Denominator	Footnote
Column 4	Footnote	Measure Start Date
Column 5	Measure Start Date	Measure End Date
Column 6	Measure End Date	

Table 21—Medicare Volume State Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_STATE_MV**	**Medicare Volume—State**
Column 1	State	State
Column 2	Diagnosis Related Group ID	Diagnosis Related Group
Column 3	Diagnosis Related Group Name	Denominator

Table 21—Medicare Volume State Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_STATE_MV**	**Medicare Volume—State**
Column 4	Denominator	Footnote
Column 5	Footnote	Measure Start Date
Column 6	Measure Start Date	Measure End Date
Column 7	Measure End Date	

Table 22—Medicare Volume Hospital Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_HOSP_MV**	**Medicare Volume—Hospital**
Column 1	Provider ID	Provider ID
Column 2	Hospital Name	Hospital Name
Column 3	State	Address
Column 4	Diagnosis Related Group ID	City
Column 5	Diagnosis Related Group Name	State
Column 6	Denominator	ZIP Code
Column 7	Footnote	County Name
Column 8	Measure Start Date	Phone Number
Column 9	Measure End Date	Diagnosis Related Group
Column 10		Denominator
Column 11		Footnote
Column 12		Measure Start Date
Column 13		Measure End Date

Table 23—Outpatient Imaging Efficiency National Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_NATIONAL_IMG_AVG**	**Outpatient Imaging Efficiency—National**
Column 1	Measure ID	Measure ID
Column 2	Measure Name	Measure Name
Column 3	Score	Score
Column 4	Footnote	Footnote
Column 5	Measure Start Date	Measure Start Date
Column 6	Measure End Date	Measure End Date

Table 24—Outpatient Imaging Efficiency State Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_STATE_IMG_AVG**	**Outpatient Imaging Efficiency—State**
Column 1	State	State
Column 2	Measure ID	Measure ID
Column 3	Measure Name	Measure Name
Column 4	Score	Score
Column5	Footnote	Footnote
Column6	Measure Start Date	Measure Start Date
Column 7	Measure End Date	Measure End Date

Table 25—Outpatient Imaging Efficiency Hospital Results		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_HOSP_IMG**	**Outpatient Imaging Efficiency—Hospital**
Column 1	Provider ID	Provider ID
Column 2	Hospital Name	Hospital Name
Column 3	State	Address
Column 4	Measure ID	City
Column 5	Measure Name	State
Column 6	Score	ZIP Code
Column 7	Footnote	County Name
Column 8	Measure Start Date	Phone Number
Column 9	Measure End Date	Measure ID
Column 10		Measure Name
Column 11		Score
Column 12		Footnote
Column 13		Measure Start Date
Column 14		Measure End Date

Table 26—Hospital Compare—CASPER/ASPEN Contacts[4]	
Database Type	**Data.Medicare.Gov**
File Name	**Hospital Compare—CASPER/ASPEN Contacts**
Column 1	State
Column 2	Compare Tool
Column 3	E-mail Address
Column 4	Phone

Table 27—Hospital Outpatient Department Volume for Selected Outpatient Procedures		
Database Type	**Microsoft Access**	**CSV Flat Files—Revised**
File Name	**HQI_OP_Procedure_Volume**	**Outpatient Procedures—Volume**
Column 1	Provider ID	Provider ID
Column 2	Hospital Name	Hospital Name
Column 3	Measure ID	Measure ID
Column 4	Gastrointestinal	Gastrointestinal
Column 5	Eye	Eye
Column 6	Nervous System	Nervous System
Column 7	Musculoskeletal	Musculoskeletal
Column 8	Skin	Skin
Column 9	Genitourinary	Genitourinary
Column 10	Cardiovascular	Cardiovascular
Column 11	Measure Start Date	Measure Start Date
Column 12	Measure End Date	Measure End Date

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[4] Currently, this file is only available on Data.Medicare.gov.

APPENDIX A: CSV Flat Files—Revised

Combined CSV Flat Files—Revised

Tables A-1–A-6 contain the current CSV Flat Files—Revised that were combined to create the recommended new CSV Flat Files—Revised. Once combined, the current CSV Flat Files—Revised, listed, below, will no longer exist as standalone files. Please note that the current "Process of Care Measures – National" CSV Flat Files—Revised contains the same information found in the stand alone "Emergency Department Throughput-National," and "Immunization-National" CSV Flat Files—Revised; therefore, these files do not need to be combined. For consistency, the file name, as shown below, was changed from "Process of Care Measures – National" to "Timely and Effective Care—National."

Table A-1—Timely and Effective Care—Hospital	
Current File Name	**New File name**
CSV Flat Files—Revised	CSV Flat Files—Revised
Emergency Department Throughput	
Immunization	Timely and Effective Care—Hospital
Measure Crosswalk	

Table A-2—Timely and Effective Care—State	
Current File Name	**New File name**
CSV Flat Files—Revised	CSV Flat Files—Revised
Emergency Department Throughput-State	
Immunization-State	Timely and Effective Care—State
Process of Care Measures - State	

Table A-3—Timely and Effective Care—National	
Current File Name	**New File name**
CSV Flat Files—Revised	CSV Flat Files—Revised
Process of Care Measures - National	Timely and Effective Care—National

Table A-4—Readmissions Complications and Deaths—Hospital	
Current File Name	**New File name**
CSV Flat Files—Revised	CSV Flat Files—Revised
Agency for Healthcare Research and Quality	Readmissions Complications and Deaths—Hospital
Outcome of Care Measures	

| Table A-5—Readmissions Complications and Deaths—State ||
Current File Name	New File name
CSV Flat Files—Revised	CSV Flat Files—Revised
Agency for Healthcare Research and Quality - State	Readmissions Complications and Deaths—State
Outcome of Care Measures - State	

| Table A-6—Readmissions Complications and Deaths—National ||
Current File Name	New File name
CSV Flat Files—Revised	CSV Flat Files—Revised
Agency for Healthcare Research and Quality - National	Readmissions Complications and Deaths—National
Outcome of Care Measures - National	

Removed CSV Flat Files—Revised

Table A-7 contains the current standalone CSV Flat Files—Revised that are recommended for removal. Information contained in the following files is already present in the current files located in Tables A-1 and A-3, which create the new "Timely and Effective Care—Hospital" and "Timely and Effective Care—National" CSV Flat Files—Revised.

Table A-7—Removed CSV Flat Files—Revised
Emergency Department Throughput-National
Immunization-National
Process of Care Measures - Blood Clot Prevention and Treatment
Process of Care Measures - Children
Process of Care Measures - Heart Attack
Process of Care Measures -Heart Failure
Process of Care Measures - Pneumonia
Process of Care Measures - Pregnancy and Delivery Care
Process of Care Measures - SCIP
Process of Care Measures - Stroke Care

APPENDIX B: Access Files

Combined Access Files

Tables B-1–B-6 contain the current Access files that were combined to create the recommended new Access Files. Once combined, the current Access files, listed below, will no longer exist as standalone files. Please note that the current "dbo_vwHQI_PCTL_MSR_XWLK" Access file contains the same information found in the stand alone "vwHQI_HOSP_ED_National,"" vwHQI_HOSP_IMM_National," and "dbo_vwHQI_US_National_MSR_AVG" Access files; therefore, these files do not need to be combined. For consistency, the file name, as shown below, was changed from "dbo_vwHQI_PCTL_MSR_XWLK" to "HQI_NATIONAL_TimelyEffectiveCare."

Table B-1—Timely and Effective Care—Hospital	
Current File Name	**New File name**
Access	Access
dbo_vwHQI_HOSP_ED	
dbo_vwHQI_HOSP_IMM	HQI_HOSP_TimelyEffectiveCare
dbo_vwHQI_HOSP_MSR_XWLK	

Table B-2—Timely and Effective Care—State	
Current File Name	**New File name**
Access	Access
vwHQI_HOSP_ED_State	
vwHQI_HOSP_IMM_State	HQI_STATE_TimelyEffectiveCare
dbo_vwHQI_STATE_MSR_AVG	

Table B-3—Timely and Effective Care—National	
Current File Name	**New File name**
Access	Access
dbo_vwHQI_PCTL_MSR_XWLK	HQI_NATIONAL_TimelyEffectiveCare

Table B-4—Readmissions Complications and Deaths—Hospital	
Current File Name	New File name
Access	Access
vwHQI_HOSP_AHRQ	
dbo_vwHQI_HOSP_MORTALITY_READM_XWLK	HQI_HOSP_ReadmCompDeath

Table B-5—Readmissions Complications and Deaths—State	
Current File Name	**New File name**
Access	Access
vwHQI_HOSP_AHRQ_STATE dbo_vwHQI_STATE_MORTALITY_READM_ SCRE	HQI_STATE_ReadmCompDeath
Table B-6—Readmissions Complications and Deaths—National	
Current File Name	**New File name**
Access	Access
vwHQI_HOSP_AHRQ_NATIONAL dbo_vwHQI_US_NATIONAL_MORTALITY_R EADM_RATE	HQI_NATIONAL_ReadmCompDeath

Removed Access Files

Table B-7 contains the current standalone Access files that are recommended for removal. Information contained in the following files is already present in the current files located in Table B-3, which create the new "HQI_National_TimelyEffectiveCare" Access File.

Table B-7—Removed Access Files
vwHQI_HOSP_ED_National
vwHQI_HOSP_IMM_National
dbo_vwHQI_US_National_MSR_AVG