



## RESOURCE GUIDE

### TQIP Models Sub-reports

#### Purpose

This document outlines the process for accessing and using the TQIP Models sub-reports, a feature set of the TQP Explorer. These reports are useful to explore the risk-adjusted results provided in your semi-annual benchmark report and discover patterns.

#### Process

1. From the [Trauma Quality Programs Participant Hub](#), click *Data Center*:

The screenshot shows the American College of Surgeons website. At the top, there is a navigation bar with links for JACS, Jobs, Events, Find a Surgeon, Patients and Family, Contact, My Profile, Shop, and Donate. Below this is the American College of Surgeons logo and the tagline "Inspiring Quality: Highest Standards, Better Outcomes". A search bar is also visible. The main navigation menu includes Member Services, Quality Programs, Education, Advocacy, Publications, and About ACS. The breadcrumb trail reads: American College of Surgeons > Quality Programs > Trauma Center Programs > TQP Participant Hub. On the left side, there is a sidebar with the Committee on Trauma logo and a list of Trauma Center Programs, including "Advancing Leadership in Trauma Center Management Course", "Annual Call for Data (NTDB)", "Performance Improvement and Patient Safety (PIPS)", "Trauma Quality Improvement Program (TQIP)", "TQP Participant Hub", and "Verification, Review, and Consultation (VRC) Program". The main content area is titled "TQP Participant Hub" and contains the following text: "Welcome to the ACS Trauma Quality Programs (TQP) Participant Hub! If your hospital is a new facility, please click on **Join a Program** below. If you are a current participant in one of our Trauma Quality Programs—the National Trauma Data Bank®, Trauma Quality Improvement Program, or Verification, Review, and Consultation Program—you may log in by clicking on **Account Center** below. If you are a new user at an existing facility, please contact the Primary Contact for your facility (most often the Trauma Program Manager) to request that you be added to your facility's contact list." Below this text are two sections: "Join a Program" with links for Eligibility and Getting started; and "Account Center" with links for Manage site information, Manage contact information, Request a site visit, and Access TQIP participant educational materials. At the bottom of the Account Center section, the "Data Center" link is highlighted with a red box, with sub-links for Submit data, Download reports, and Access interactive reports.

2. Log into the Data Center with the username and password provided to you by IQVIA.

3. Once logged into the TQP Data Center, click *Operational Reports* from the menu bar on the left-hand side of the screen.

The screenshot displays the 'Uploader' interface for 'THE COMMITTEE ON TRAUMA'. The left sidebar contains navigation options: 'Operational Reports' is highlighted with a red box. The main content area is divided into three sections:

- Facility Details:** Name: Westworld, ID: 100042, City: Utah, State: Utah, File Type: TQIP.
- Upload Area:** A dashed box with a cloud icon and the text 'DROP FILES TO UPLOAD'. Below it is a 'Choose File' button and a message: 'Registry is not configured to accept docx file type'.
- Upload History Report:** A table with a 'Sort by' dropdown set to 'Date of Upload Descending'. It lists two failed uploads:

Upload ID	Facility	Processing Status	File Name	Uploader Username	File Type	Date Range	Total Processed
2973	Westworld 17471	Registry-Check-Failure	RDS and PUF.docx	Peach (Melocoton), Princesa	Not Available	Not Available	0
2972	Westworld 17471	File-Special-Character-Failure					0

4. Select *TQP Explorer*.

The screenshot shows the 'Operational Reports' section of the TQP Explorer interface. On the left is a dark sidebar with navigation options: 'Welcome, Bhavin Patel', 'Currently Viewing Trauma Quality Programs', 'Switch Current View', 'PLATFORM' (Upload, Notifications), 'ANALYTICS' (Operational Reports), 'RESOURCES' (Library), and 'ACCOUNT' (My Account, Log out). The main content area is titled 'Operational Reports' and contains a 'TQP Reports' section. Under 'TQP Reports', there are two links: 'Data Download Report' (with a sub-note 'This report contains DDR information.') and 'TQP Explorer' (with a sub-note 'This report contains NTDB and TQP Model information.'). The 'TQP Explorer' link is highlighted with a red box.

5. Select the *Report* which corresponds to your program, and then select the *Reporting Year* and *Reporting Period* you wish to explore. Select *Apply Parameters* when you are ready to continue.

The screenshot shows the 'TQP Reports' configuration page. At the top, it says 'TQP Reports' and 'TQP Explorer'. Below this are two tabs: 'Reports' and 'Sub-reports'. Under 'Reports', there are three buttons: 'NTDB Benchmark', 'Adult TQIP' (highlighted with a red box), and 'Hide Parameters' (with an upward arrow icon). Under 'Sub-reports', there is a 'Models' button. Below the tabs is a 'Parameters' section. It contains two dropdown menus: 'Reporting Year' (highlighted with a red box) and 'Reporting Period' (highlighted with a red box). To the right of these dropdowns are two buttons: 'Apply Parameters' and 'Clear Parameters'.

6. Select a row of models by clicking the corresponding cell in the *Patients* column of the *Patient Summary*. The distribution showing on the *Details Panel* will depend on what you selected for *View Details By*.

Reports NTDB Benchmark Adult TQIP

Sub-reports Models

Instructions: Use the below controls to update the display of the report. Click here for the TQP Explorer Tutorial. View Summary By: Outcome

View Details By: Age

**Patient Summary**

Outcome	Cohort	Outlier	Patients	Events	Event ...
Mortality	All Patients	Average	320	16	5.00%
	Blunt Multisystem	Average	21	1	4.76%
	Penetrating	Average	23	1	4.35%
	Shock	Average	1	0	0.00%
	Severe TBI	Average	24	8	33.33%
	Elderly	Average	87	9	10.34%
	Elderly Blunt M...	Average	8	0	0.00%
	Isolated Hip Fra...	Average	7	0	0.00%
Major Complications	All Patients	Average	313	9	2.88%
	Blunt Multisystem	Average	20	1	5.00%
	Penetrating	Average	23	1	4.35%
	Shock	Average	1	0	0.00%
	Severe TBI	Average	20	0	0.00%
	Elderly	Average	85	7	8.24%
	Elderly Blunt M...	Average	8	1	12.50%

**Patient Details**

Mechanism	Pulse	SBP	GCS Motor	Survival/Compl ication Risk Ratio	AIS Code 1	AIS Code 2	AIS Code 3
Fall	61	157	6	0.64	140699	110600	410202
Fall	73	109	5	0.70	140650	110600	810202
Fall	87	158	2	0.79	140650	210600	NK/NR
Struck by, egal...	90	152	6	0.67	150200	250800	250806
Pedestrian Pedal	98	127	6	0.97	853251	NK/NR	NK/NR
Fall	100	155	4	0.68	140629	110600	810202
M/VT Occupan...	72	148	5	0.61	140629	450210	650216
Pedestrian Pedal	93	147	6	0.69	140650	110600	140694
Pedestrian Pedal	89	155	6	0.64	150200	140650	140630
Fall	93	117	6	0.63	150200	650216	650204
Pedestrian Pedal	95	106	6	0.81	210600	820499	853151
Pedestrian Pedal	60	111	2	0.65	140699	110600	NK/NR

**Details Panel - Age**

7. Select bars in the *Details Panel* to restrict the *Patient Details* to display data corresponding to the bars you have selected for that model. You can ctrl-select multiple bars, or multi-select bars by dragging your mouse. **Note:** The Patient Details panel will not be present for Collaboratives.

Reports NTDB Benchmark Adult TQIP

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**Patient Details**

Mechanism	Pulse	SBP	GCS Motor	Survival/Compl ication Risk Ratio	AIS Code 1	AIS Code 2	AIS Code 3
Fall	73	134	6	0.43	140668	241200	140629
Fall	95	107	6	0.87	140650	NK/NR	NK/NR
M/VT Occupan...	61	126	1	0.45	140668	110800	441410
Fall	75	162	6	0.67	140650	NK/NR	NK/NR
Fall	138	135	5	0.67	150402	140650	710600
Firearm	51	129	1	0.30	150206	140669	150404
Fall	93	181	1	0.67	150200	140650	140694
Firearm	101	103	5	0.35	521299	521204	542820
Firearm	140	103	1	0.76	140629	210600	NK/NR
Fall	168	213	2	0.79	140650	140684	NK/NR

**Details Panel - Age**

8. You can change the order of the table in the *Patient Summary* by using the *Outcome/Cohort* drop-down, or restrict the table based on search criteria. You can also change the scope of the *Details Panel* by using the sliders on the axes. **Note:** For Level III participants, there is an *Outcome Models/Time to Event Models* drop-down used to show results for other model types.

**Instructions:**  
Use the below controls to update the display of the report.  
Click here for the TQP Explorer Tutorial.  
View Summary By:  
Outcome  
Type to search in list  
 (All)  
 Average  
View Details By:  
Age

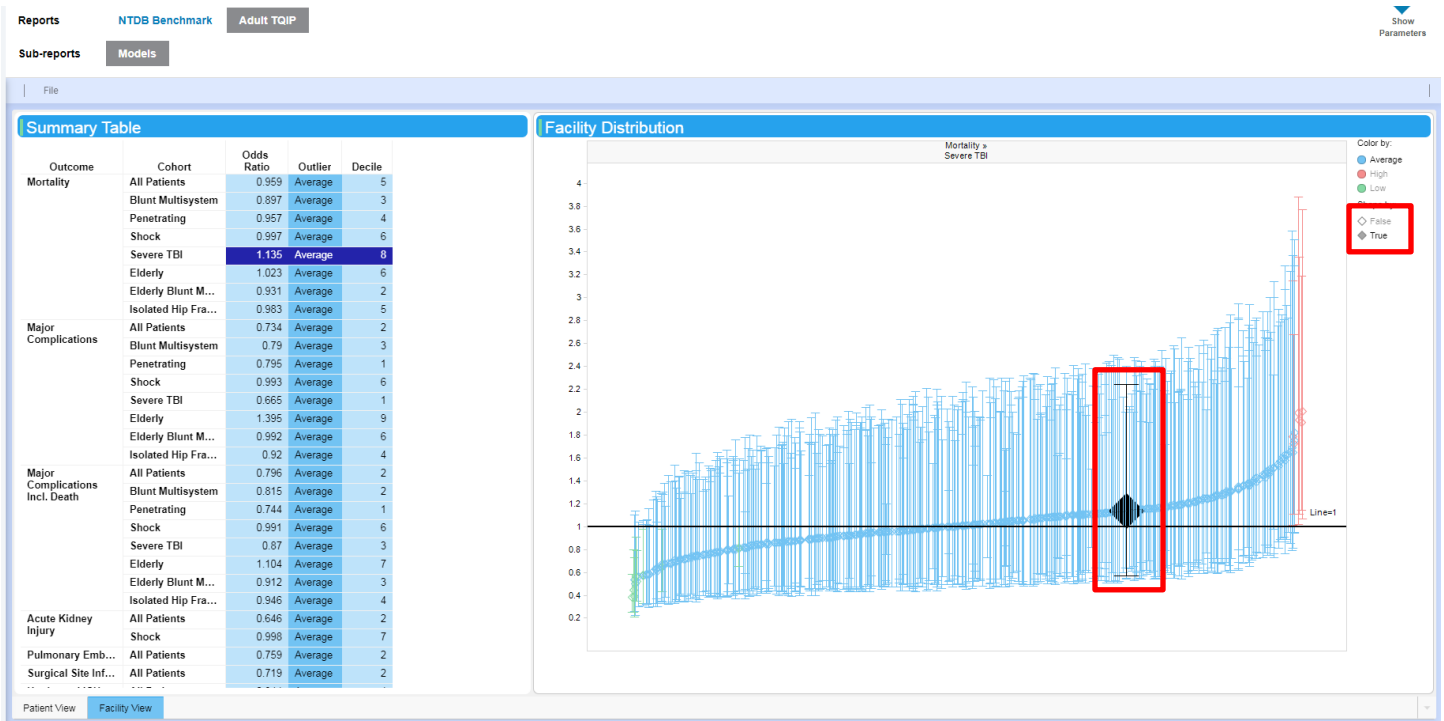
Outcome	Cohort	Outlier	Patients	Events	Event ...
Mortality	All Patients	Average	320	16	5.00%
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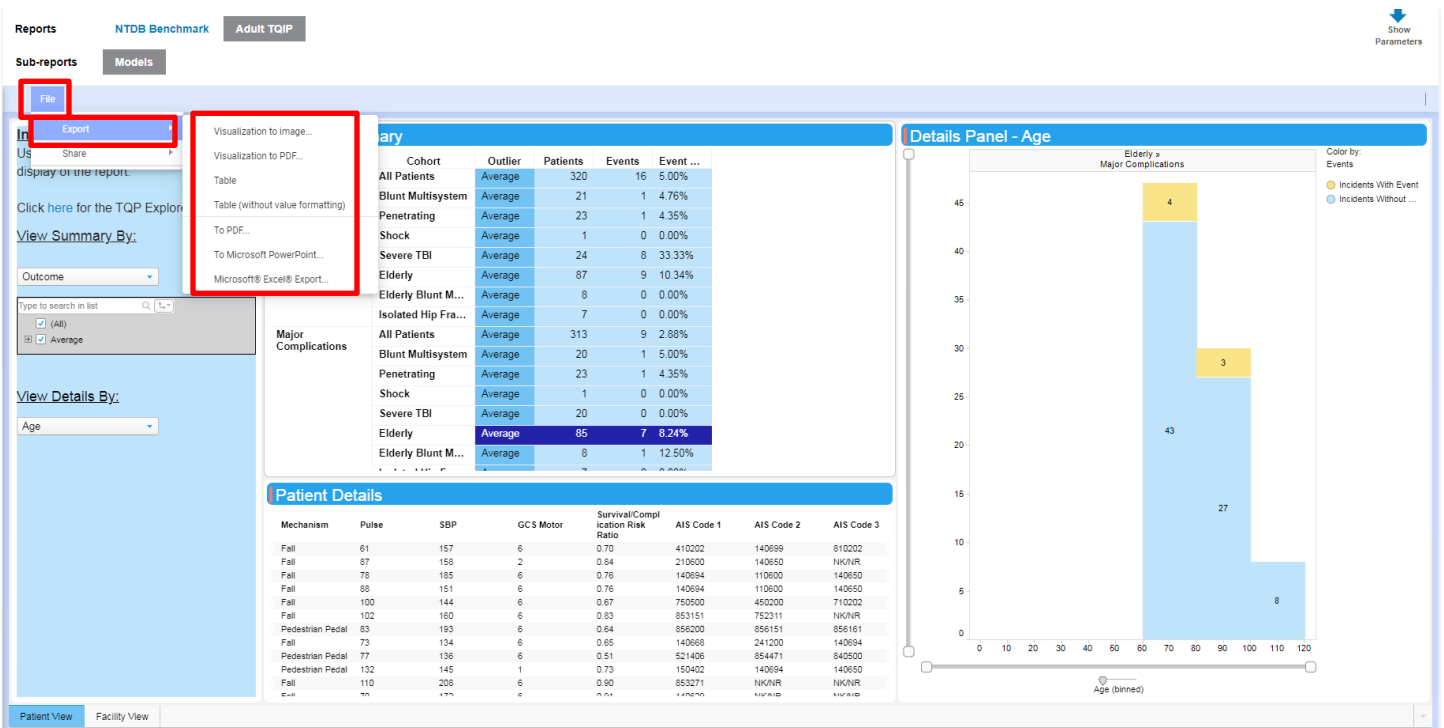
9. Click *Facility View* to see your results on a caterpillar plot, which identifies your facility, in the *Facility Distribution* panel. You can ctrl-select multiple models, or multi-select models by dragging your mouse, to display multiple plots.

Outcome	Cohort	Odds	Outlier	Scale
Mortality	All Patients	0.959	Average	5
	Blunt Multisystem	0.807	Average	3
	Penetrating	0.957	Average	4
	Shock	0.997	Average	6
	Severe TBI	1.135	Average	8
	Elderly	1.023	Average	6
	Elderly Blunt M...	0.931	Average	2
	Isolated Hip Fra...	0.983	Average	5
Major Complications	All Patients	0.734	Average	2
	Blunt Multisystem	0.79	Average	3
	Penetrating	0.795	Average	1
	Shock	0.993	Average	6
	Severe TBI	0.665	Average	1
	Elderly	1.395	Average	9
	Elderly Blunt M...	0.992	Average	6
	Isolated Hip Fra...	0.92	Average	4
Major Complications Incl. Death	All Patients	0.796	Average	2
	Blunt Multisystem	0.815	Average	2
	Penetrating	0.744	Average	1
	Shock	0.991	Average	6
	Severe TBI	0.87	Average	3
	Elderly	1.104	Average	7
	Elderly Blunt M...	0.912	Average	3
	Isolated Hip Fra...	0.946	Average	4
Acute Kidney Injury	All Patients	0.646	Average	2
	Shock	0.998	Average	7
Pulmonary Emb...	All Patients	0.759	Average	2
Surgical Site Inf...	All Patients	0.719	Average	2

10. Your facility is a larger diamond than all other facilities, and can also be highlighted by selecting *True* on the *Shape* by key. Collaboratives can see the facilities from their Collaborative highlighted by selecting *Part of Collaborative*.



11. You can export all graphics on the page using the menu on the top left, or you can right click within a panel to export just the contents of that panel. This will work to export the patient data in the *Patient Details* panel.



**Instructions:**  
Use the below controls to update the display of the report.

Click here for the TQIP Explorer Tutorial.

View Summary By:

Outcome

Type to search in list

(All) Average

View Details By:

Age

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Fall	87	158	2	0.84			
Fall	78	185	6	0.76			
Fall	86	151	6	0.76			
Fall	100	144	6	0.87	7505		
Fall	102	160	6	0.83	8531		
Pedestrian Pedal	83	193	6	0.64	8562		
Fall	73	134	6	0.65	1406		
Pedestrian Pedal	77	136	6	0.51	521406	864411	840500
Pedestrian Pedal	132	145	1	0.73	150402	140594	
Fall	110	208	6	0.90	853271	NK/NR	NK/NR

**Details Panel - Age**

Visualization to PDF...  
Visualization to image...  
Export table  
Export table (without value formatting)