

This guide covers the **Aggregate** function within the SafetyNet Reporting Grid. **Aggregates** allow a user to group or combine SafetyNet data by selecting columns within the data Grid. An example of a specific use case for this would be the desire to determine what the total number of inspections were on a single report, for more than one region.

Ag·gre·gate (/ˈagrɪɡɪt/)

Noun

Something formed by combining several elements.

Adjective

Formed or calculated by the combination of many separate units or items; total: "the aggregate amount of Observations made."

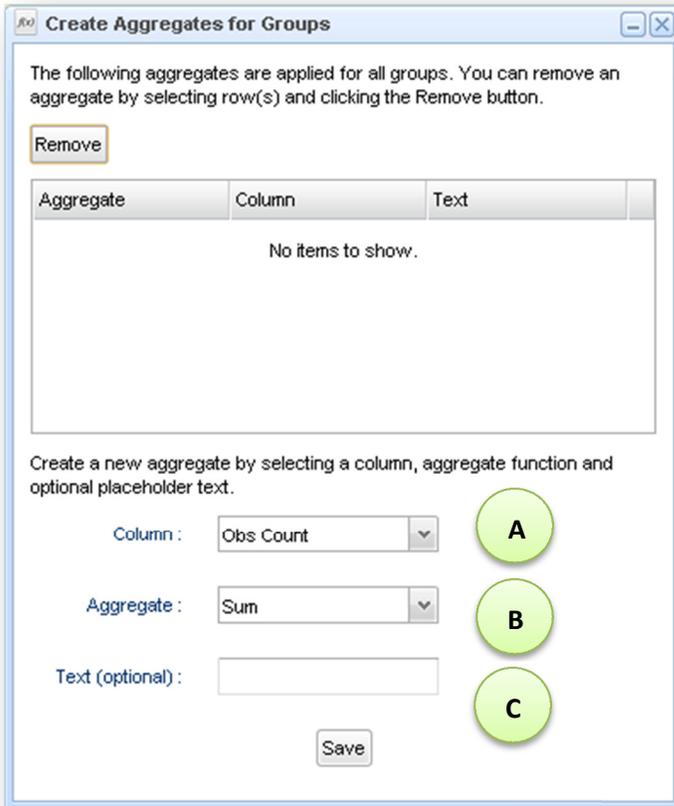
Covered Topics:

- Creating a An Aggregate
- Viewing Aggregates on a Group (Auditors)
- Viewing Aggregates on a Group (Projects)

Creating an Aggregate

To create an Aggregate, find & Click on the icon.





The following aggregates are applied for all groups. You can remove an aggregate by selecting row(s) and clicking the Remove button.

Remove

Aggregate	Column	Text
No items to show.		

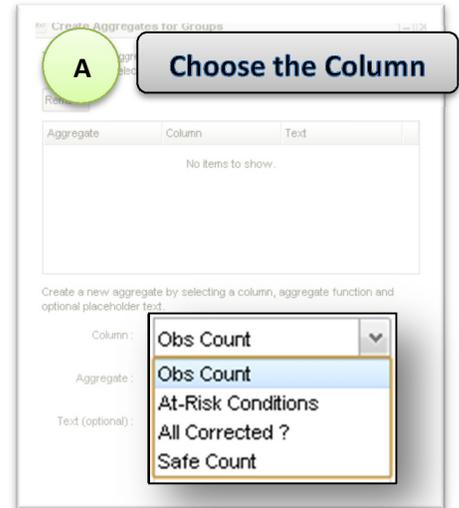
Create a new aggregate by selecting a column, aggregate function and optional placeholder text.

Column : **A**

Aggregate : **B**

Text (optional) : **C**

Save

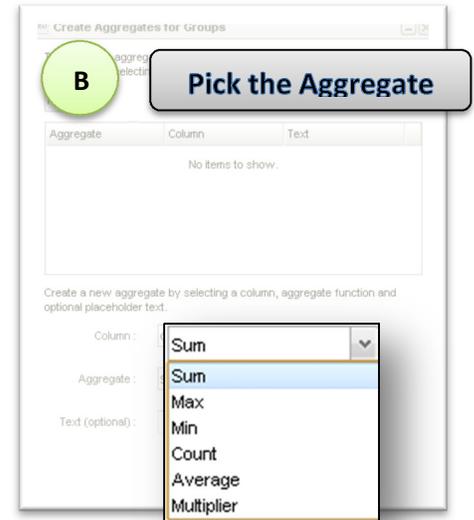


A **Choose the Column**

Column :

Aggregate :

Text (optional) :



B **Pick the Aggregate**

Column :

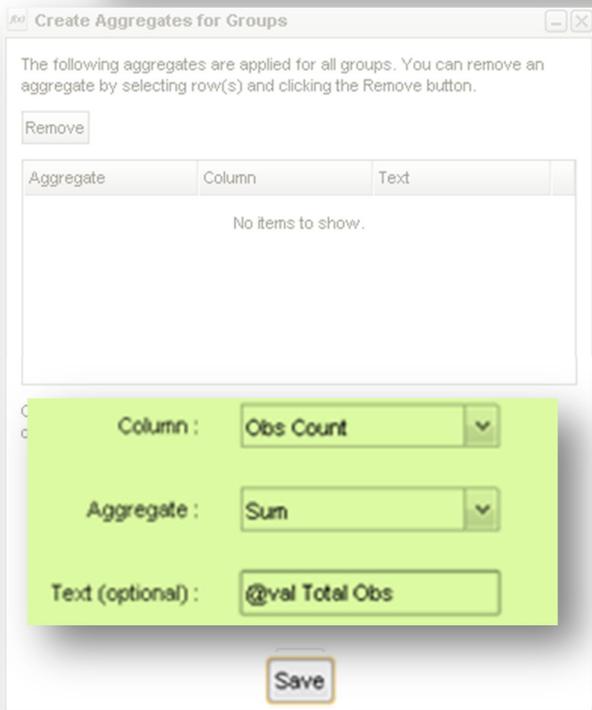
Aggregate :

Text (optional) :



C **Add Text (optional)**

Text (optional) :



The following aggregates are applied for all groups. You can remove an aggregate by selecting row(s) and clicking the Remove button.

Remove

Aggregate	Column	Text
No items to show.		

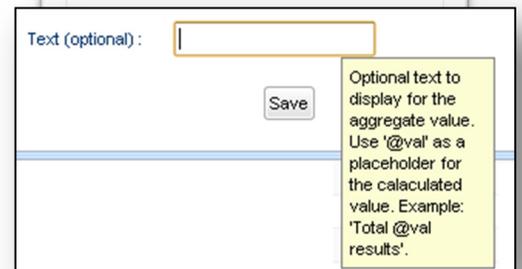
Column :

Aggregate :

Text (optional) :

Save

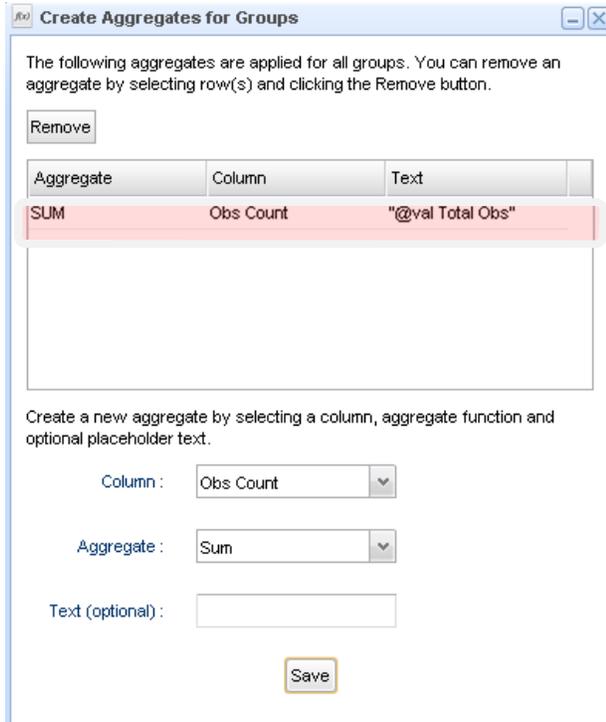
Click Save When Finished



Text (optional) :

Save

Optional text to display for the aggregate value. Use '@val' as a placeholder for the calculated value. Example: 'Total @val results'.



The following aggregates are applied for all groups. You can remove an aggregate by selecting row(s) and clicking the Remove button.

Remove

Aggregate	Column	Text
SUM	Obs Count	"@val Total Obs"

Create a new aggregate by selecting a column, aggregate function and optional placeholder text.

Column :

Aggregate :

Text (optional) :

Save

You can remove an Aggregate by selecting row(s) and clicking on the **Remove** button

You can add additional Aggregates to the groups by repeating the steps above. When you are finished, use the  in the upper Right hand corner of the screen to close out the window.

To see the Aggregate, you must group data together within the grid.

	System Date	Inspection Type	Project	Auditor	Safe Count	At-Risk Conditions	Obs Count
<input type="checkbox"/>	04/10/2013	Safety	pi	con full con full	1 1		2
<input type="checkbox"/>	04/10/2013	Safety	pi	Giant Construction Admin	1 1		2
<input type="checkbox"/>	04/10/2013	Safety	Atomium	Giant Construction Admin	0 0		0
<input type="checkbox"/>	04/09/2013	Safety	Atomium	Giant Construction Admin	0 5		5
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Linh Dang	0 1		1
<input type="checkbox"/>	04/08/2013	Safety	pi	Giant Construction Admin	0 2		2
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Teresa Lutz	0 1		1
<input type="checkbox"/>	04/08/2013	Safety	pi	Giant Construction Admin	2 3		5
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Giant Construction Admin	1 2		3
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Giant Construction Admin	1 0		1
<input type="checkbox"/>	04/08/2013	Safety	aaa	Giant Construction Admin	0 1		1
<input type="checkbox"/>	04/08/2013	Safety	aaa	Giant Construction Admin	0 1		1
<input type="checkbox"/>	04/08/2013	Safety	pi	Giant Construction Admin	0 1		1
<input type="checkbox"/>	04/08/2013	Safety	AB-001 ProjectA	Giant Construction Admin	0 1		1
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Giant Construction Admin	4 7		11

Group By Auditor

Right click on Auditor Column and select “Group by Auditor”

(or click on the Blue Arrow  to the right of the column label)

System Date	Inspection Type	Project	Auditor	Safe Count	At-Risk Conditions	Obs Count
<input type="checkbox"/>	04/10/2013	Safety	pi	1	1	2
<input type="checkbox"/>	04/10/2013	Safety	pi	1	1	2
<input type="checkbox"/>	04/10/2013	Safety	Atomium	0	0	0
<input type="checkbox"/>	04/09/2013	Safety	Atomium	0	5	5
<input type="checkbox"/>	04/08/2013	Safety	Atomium	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	pi	0	2	2
<input type="checkbox"/>	04/08/2013	Safety	Atomium	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	pi	2	3	5
<input type="checkbox"/>	04/08/2013	Safety	Atomium	1	2	3
<input type="checkbox"/>	04/08/2013	Safety	Atomium	1	0	1
<input type="checkbox"/>	04/08/2013	Safety	aaa	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	aaa	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	pi	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	AB-001 ProjectA	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	Atomium	4	7	11

System Date	Inspection Type	Project	Auditor	Safe Count	At-Risk Conditions	Obs Count
con full con full						
Giant Construction Admin						
Linh Dang						
Teresa Lutz						
Ann Wright Rose						
Angela Bassett						
Construction Executive						

Data is now grouped by Auditors

Click on the  to the left of the label to open up a group (Giant Construction Admin for this example)

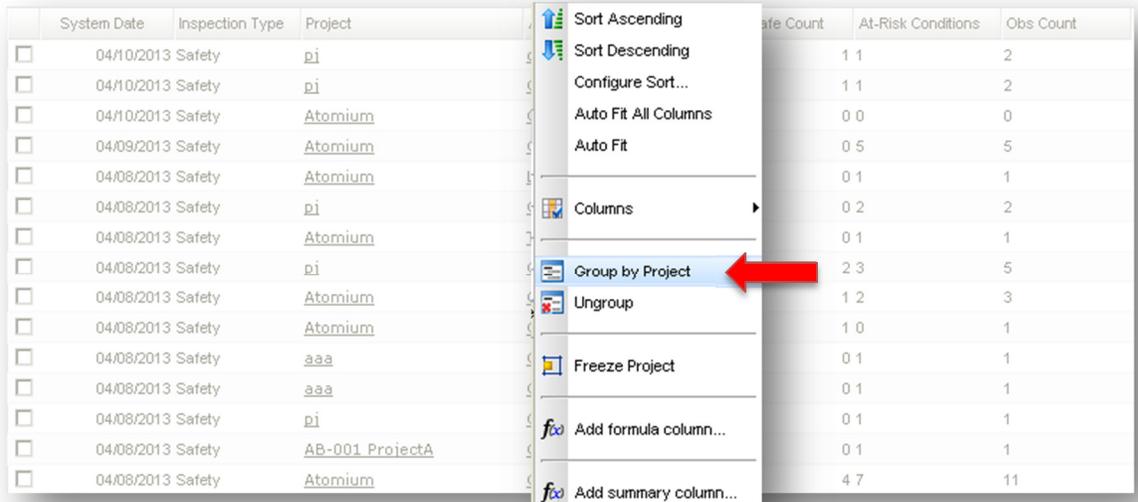
SafetyNet data will appear below the selected group & the Aggregate value(s) will appear at the end of the list.

Total observations are shown here...

System Date	Inspection Type	Project	Auditor	Safe Count	At-Risk Conditions	Obs Count	
con full con full							
Giant Construction Admin							
<input type="checkbox"/>	04/10/2013	Safety	pi	Giant Construction Admin	1	1	2
<input type="checkbox"/>	04/10/2013	Safety	Atomium	Giant Construction Admin	0	0	0
<input type="checkbox"/>	04/09/2013	Safety	Atomium	Giant Construction Admin	0	5	5
<input type="checkbox"/>	04/08/2013	Safety	pi	Giant Construction Admin	0	2	2
<input type="checkbox"/>	04/08/2013	Safety	pi	Giant Construction Admin	2	3	5
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Giant Construction Admin	1	2	3
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Giant Construction Admin	1	0	1
<input type="checkbox"/>	04/08/2013	Safety	aaa	Giant Construction Admin	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	aaa	Giant Construction Admin	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	pi	Giant Construction Admin	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	AB-001 ProjectA	Giant Construction Admin	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Giant Construction Admin	4	7	11
<input type="checkbox"/>	04/08/2013	Safety	1000 de La Gauchetière	Giant Construction Admin	7	0	7
<input type="checkbox"/>	04/08/2013	Safety	1000 de La Gauchetière	Giant Construction Admin	1	0	1
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Giant Construction Admin	0	1	1
<input type="checkbox"/>	04/08/2013	Safety	pi	Giant Construction Admin	5	0	5
<input type="checkbox"/>	04/07/2013	Safety	Atomium	Giant Construction Admin	0	2	2
<input type="checkbox"/>	04/07/2013	Safety	pi	Giant Construction Admin	1	1	2
<input type="checkbox"/>	04/07/2013	Safety	pi	Giant Construction Admin	0	1	1
<input type="checkbox"/>	04/07/2013	Safety	pi	Giant Construction Admin	0	2	2
<input type="checkbox"/>	04/07/2013	Safety	pi	Giant Construction Admin	2	0	2
<input type="checkbox"/>	04/08/2013	Safety	Atomium	Giant Construction Admin	0	1	1
						57 Total Obs	
Linh Dang							

Group by Project:

Right click on 'Project' Column: (or click on the Blue Arrow to the right of the column label):



System Date	Inspection Type	Project	Auditor	Safe Count	At-Risk Conditions	Obs Count
04/10/2013	Safety	pi		1	1	2
04/10/2013	Safety	pi		1	1	2
04/10/2013	Safety	Atomium		0	0	0
04/09/2013	Safety	Atomium		0	5	5
04/08/2013	Safety	Atomium		0	1	1
04/08/2013	Safety	pi		0	2	2
04/08/2013	Safety	Atomium		0	1	1
04/08/2013	Safety	pi		2	3	5
04/08/2013	Safety	Atomium		1	2	3
04/08/2013	Safety	Atomium		1	0	1
04/08/2013	Safety	aaa		0	1	1
04/08/2013	Safety	aaa		0	1	1
04/08/2013	Safety	pi		0	1	1
04/08/2013	Safety	AB-001 ProjectA		0	1	1
04/08/2013	Safety	Atomium		4	7	11

Choose “Group by Project”

Open up The Atomium Project group:

System Date	Inspection Type	Project	Auditor	Safe Count	At-Risk Conditions	Obs Count
+ pj						
+ Atomium						
+ AB-001 ProjectA						

Scroll down to see the Group’s Aggregate value(s).

System Date	Inspection Type	Project	Auditor	Safe Count	At-Risk Conditions	Obs Count
+ pj						
- Atomium						
04/08/2013	Safety	Atomium	Linh Dang	0	1	1
04/09/2013	Safety	Atomium	Giant Construction Admin	0	5	5
04/10/2013	Safety	Atomium	Giant Construction Admin	0	0	0
09/14/2012	Safety	Atomium	Construction Executive	0	101	101
09/14/2012	Safety	Atomium	scott colarossi	0	101	101
04/08/2013	Safety	Atomium	Giant Construction Admin	0	1	1
09/14/2012	Safety	Atomium	Angela Bassett	0	103	103
04/09/2013	Safety	Atomium	Ann Wright Rose	2	1	3
04/09/2013	Safety	Atomium	Ann Wright Rose	2	1	3
04/09/2013	Safety	Atomium	Ann Wright Rose	2	0	2
04/07/2013	Safety	Atomium	Giant Construction Admin	0	2	2
04/08/2013	Safety	Atomium	Giant Construction Admin	0	1	1
04/08/2013	Safety	Atomium	Giant Construction Admin	4	7	11
04/08/2013	Safety	Atomium	Giant Construction Admin	1	0	1
04/08/2013	Safety	Atomium	Giant Construction Admin	1	2	3
04/08/2013	Safety	Atomium	Teresa Lutz	0	1	1
						339 Total Obs