

QUALTRICS: How to add a Display Logic Rule to a Question

A **Display Logic** rule is a formula that outlines a set of one or more conditions that must be met (rule is “true”) in order to make the question it is attached to display. If the conditions are not met (rule is “false”), then the question remains hidden to the respondent.

- Display Logic rules are normally based on the respondent’s selected answer to a previous question, but other criteria can also be used.
- If the Display Logic rule refers to the respondent’s selected answer on a previous question, that trigger question can be anywhere in the survey prior to the hidden question.
- By default, a question with a Display Logic rule creates a page break in the survey but checking a setting box in the rule forces the question to display on the current survey page, i.e. with no page break.

Example: Second question only displays if specific response selected in first question

The diagram illustrates a survey flow. The first question, "What is your favorite summer activity?", has five radio button options: "Walking / Hiking", "Gardening", "Swimming / Suntanning", "Camping / Travelling", and "Other". The "Gardening" option is selected and highlighted in blue. A large purple arrow points from the "Gardening" option down to the second question, "What do you grow in your garden? (Select all that apply)". This second question has six radio button options: "Vegetables", "Herbs", "Flowers", "Fruit trees", "Lawn, shrub, tree maintenance", and "Other, please describe".

Process:

1. Begin by adding both questions, the initial **'trigger'** question and the follow up **'hidden'** question.
2. Highlight the **'hidden'** question and select **'Display Logic'** in the left hand settings menu.
 - Tip: Collapse the upper setting categories so that the Display Logic setting shows without excessive downward scrolling.

The screenshot shows the 'Edit question' interface. On the left, the 'Question type' is set to 'Multiple choice'. Under 'Question behavior', the 'Display logic' option is highlighted with a red box. A red arrow points from this box to a larger red box on the right that highlights the question content area. The question content area shows a question titled 'Q2' with the text 'What do you grow in your garden? (Select all that apply)'. Below the text are several checkboxes: 'Vegetables', 'Herbs', 'Flowers', 'Fruit trees', 'Lawn, shrub, tree maintenance', and 'Other, please describe'. The 'End of Survey' button is visible at the bottom right.

3. Build the logic rule:
 - Select the **trigger** question (A) (Tip: it helps to know the question's number).
 - Select the **response option** (B) that the rule will examine.
 - Select the **required logic condition** (C) that must be met
 - Logic rules can often be defined in more than one way.
 - You may need to make the trigger question a "required response" question, if it is not already marked as such.

The diagram illustrates the logic rule construction. It shows a sequence of three dropdown menus: 'Q1 What is your f... summer activity?', 'Gardening', and 'Is Selected'. Below each dropdown is a large letter: 'A' under the first, 'B' under the second, and 'C' under the third. Vertical dashed lines connect the letters to the dropdowns.

- Optional: Check the "In Page" box to display on the current survey page (i.e. no page break).

Display Logic (What do you grow in your garden?)

Display this Question only if the following condition is met:

Question ▾ Q1 What is your f... summer activity? ▾ Gardening ▾ Is Selected ▾

☐ In Page

Close Save

- Click "**Save**". Verify that the new rule appears with a light blue background above the question in survey edit mode.

Close Save

4. Preview the survey and verify that the Display Logic rule works as expected.

REMINDER: Any change to a published survey requires you to re-publish it so that the changes appear in the respondent's version.