

Date Calculation External Module

This module allows a date to calculate from another date by adding or subtracting a predefined number of days. Along with simply adding/subtracting a number, this module can also use Days Offset and Offset Range with in the “Define My Events” section to automatically calculate in future event dates.

Example 1:

How to configure the module to add/subtract a set number of days to a date.

Configure Module: Date Calculated Fields

Project Settings

Value

1. Piping Field List:

1. Field to Read Date From:

* must provide value

datetime - Date Time

1. Overwrite Existing Data in Fields Being Piped To:

1.1. Destination Field:

* must provide value

dest_date - Dest Date

1.1. Days To Add/Subtract from Source Date (to Subtract, use a -), Leave Blank to Use Event 'Days Offset' Settings:

* must provide value

10

Starting date

This button allows calculation value to overwrite any value in destination field

Number of days to add/subtract

Calculated/destination Date Field

Comment Log

Editing existing Record ID 2

Event Name: **Event 1**

Record ID 2
To rename the record, see the record action drop-down at top of the [Record Home Page](#).

User

Date Time M-D-Y

Dest Date M-D-Y

Form Status

Complete?

Lock this record for this form?
If locked, no user will be able to edit this record on this form until someone with Lock/Unlock privileges unlocks it. ☐ **Lock**

NOTE: To delete the entire record (all forms/events), see the record action drop-down at top of the [Record Home Page](#).
Also, to delete all the data from THIS EVENT only, see the bottom row of the status table on the [Record Home Page](#).

Example 2:

How to utilize “Days Offset” to automatically set date values.

Arm 1: Arm 1

Arm name: **Arm 1** [Rename Arm 1](#)

	Event #	Days Offset	Offset Range Min / Max	Event Name	Custom Event Label (optional)	Unique event name (auto-generated)
	1	0	-2/+2	Event 1		event_1_arm_1
	2	14	-4/+4	Event 2		event_2_arm_1
	3	28	-1/+5	Event 3		event_3_arm_1
	4	56	-0/+0	Event 4		event_4_arm_1
<input type="button" value="Add new event"/>	<input type="text" value=""/> Days	<input type="text" value="0"/> <input type="text" value="0"/>		<input type="text"/>	<input type="text"/>	
	Convert from other units			Descriptive name for this event	Custom Event Label (optional) Example: [visit_date], [weight] kg	

Example 3:

How to utilize “Offset Range” to automatically set date values.

Configure Module: Date Calculated Fields

Project Settings

Value

1. Piping Field List:

+

1. Field to Read Date From:

datetime - Date Time

* must provide value

1. Overwrite Existing Data in Fields Being Piped To:

1.1. Details of Where to Pipe:

+

1.1. Destination Field:

dest_date - Dest Date

* must provide value

1.1. Days To Add/Subtract from Source Date (to Subtract, use a -). Leave Blank to Use Event 'Days Offset' Settings:

* must provide value

1.1. Need Values Piped to Other Events:

1.1.1. Event(s) to Pipe To:

Arm: Arm 1 - Event: Event 2

+

-

1.1.2. Event(s) to Pipe To:

Arm: Arm 1 - Event: Event 3

+

-

1.1.3. Event(s) to Pipe To:

Arm: Arm 1 - Event: Event 4

+

-

1.1. Event To Start Piping From (Leave blank if need to have all events pipe to other events):

Arm: Arm 1 - Event: Event 1

1.1. Start Date Range Field to Pipe To (if applicable):

offset_min - Offset Min

1.1. End Date Range Field to Pipe To (if applicable):

offset_max - Offset Max

Cancel

Save

The configuration for “Offset Range” will look the same except the last two options of Start Date and End Date must have values.

Here is what the data entry form would look like for event 2, when [datetime] is 5/1/2018, days offset is 14 with an offset range of -4/+4.

Record ID	2 <small>To rename the record, see the record action drop-down at top of the Record Home Page.</small>
User	<input type="text"/>
Date Time	<input type="text"/> Today M-D-Y
Dest Date	<input type="text" value="05-15-2018"/> Today M-D-Y
Offset Min	<input type="text" value="05-11-2018"/> Today M-D-Y
Offset Max	<input type="text" value="05-19-2018"/> Today M-D-Y
Form Status	
Complete?	<input type="text" value="Incomplete"/>
Lock this record for this form? <small>If locked, no user will be able to edit this record on this form until someone with Lock/Unlock privileges unlocks it.</small>	
<input type="checkbox"/> Lock	
<input type="button" value="Save & Exit Form"/> <input type="button" value="Save & Stay"/>	
<input type="button" value="-- Cancel --"/>	
<input type="button" value="Delete data for THIS FORM only"/>	
<small>NOTE: To delete the entire record (all forms/events), see the record action drop-down at top of the Record Home Page. Also, to delete all the data from THIS EVENT only, see the bottom row of the status table on the Record Home Page.</small>	

If you want to use start and end offset values that are different from those defined in the REDCap event, you can use the following fields:

1.1. Start Date Range Field to Pipe To (if applicable):	<input type="text"/>
1.1. End Date Range Field to Pipe To (if applicable):	<input type="text"/>
1.1. Days to Add to Start Date Range (leave blank to use event definition):	<input type="text"/>
1.1. Days to Add to End Date Range (leave blank to use event definition):	<input type="text"/>

These fields accept positive or negative numbers to define how many days the offsets should be from the base date value.

Additional information:

- These configurations are repeatable and can be set as many times as needed.
- The module is unable to both add a number of days and utilize “Days Offset” for the same date field.
- This module supports infinite repeating forms.