

# Integrating with Breath Counter App



This feature requires a CommCare Software Plan

This feature will only be available to CommCare users with an Pro Plan or higher. For more details, see the [CommCare Software Plan page](#).

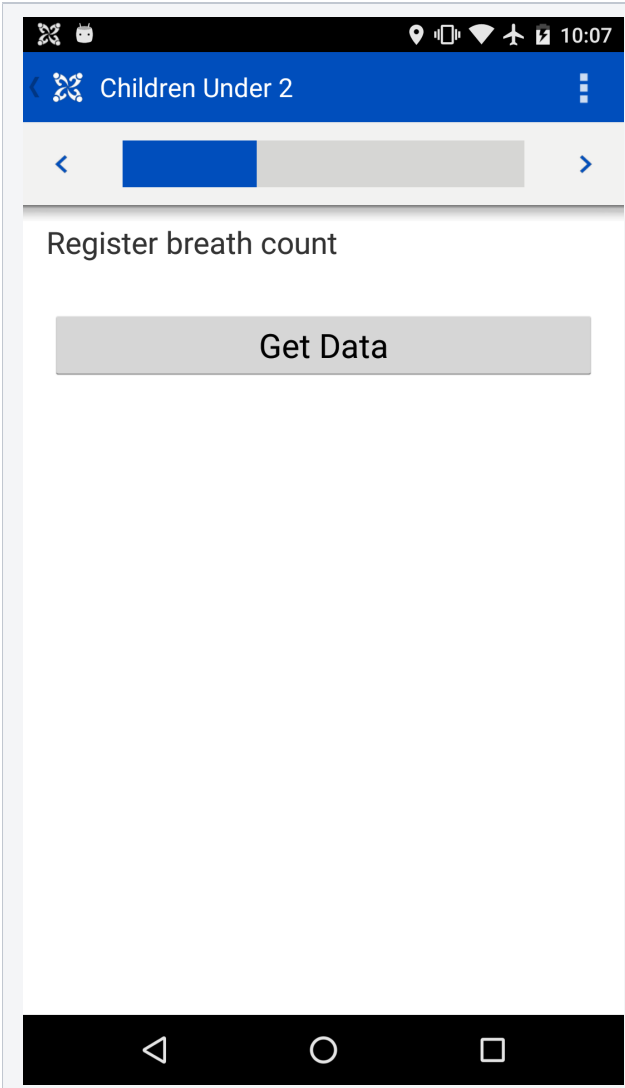
This page will walk you through the steps of integrating Dimagi's breath counter application with your CommCare ODK app.

1. Download and install the breath counter app from the play store to your device at <https://play.google.com/store/apps/details?id=org.commcare.respiratory>. This app is called **Breath Counter 3.0**, not to be confused with an older version called **Respiratory Counter**.
2. Navigate to the form builder for your app on CommCare HQ
3. Navigate to where you want to insert the question.
4. Press the Add Question button and add an "Android App Callout" question type under the "Advanced" tab
5. Create an ID and label as you would a normal question
6. Under "External App", select Breath Counter. The following should appear in the field to the right: **org.commcare.respiratory.BREATHCOUNT** (if for some reason you are using the old app **Respiratory Counter**, you will need to select Custom and then put in **change.uw.android.BREATHCOUNT**)
7. Under "Logic" you can enforce the same things as you would a normal question, IE enforce this must be a realistic value, non-null, etc (validation condition: **!= 'null'**)
8. Once the user performs the breath counting via the 'Breath Counter' application, the resulting integer value will be passed back to CommCare and stored in the "Android App Callout" question's "Question ID"

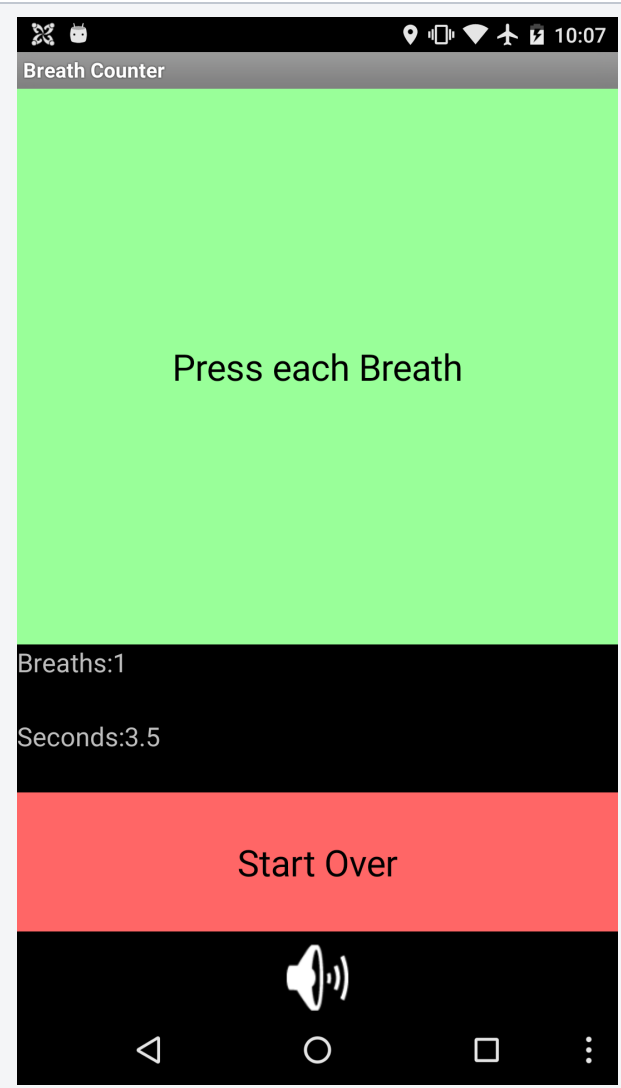
For more info on app callout question types see [Integrating your custom Android applications with CommCare](#).

The screenshot shows the 'Add Question' interface in CommCare. On the left, a list of questions includes 'Register breath count:' with a preview: 'The patient's breath count was: `breath_count`'. The main panel shows the configuration for this question, which is an 'Android App Callout' type. The 'Display Text' is 'Register breath count:', the 'Question ID' is 'breath\_count', and the 'Required' checkbox is checked. The 'External App' is set to 'Breath Counter' with the package name 'org.commcare.respiratory.BREATHCOUNT'. There is an 'Extra' field with 'key' and 'value' input boxes.

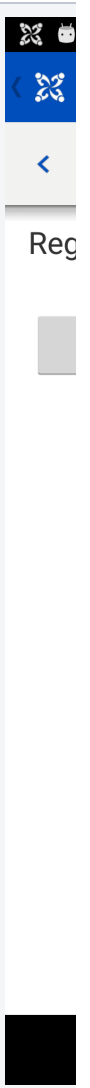
**Setting up a form question that calls out to the Breath Counter app**



Before calling breath counter app



Using the breath counter app to collect the count data



Showing