

Advanced Calculations for Parent/ Child cases



Warning

These calculations are advanced, and require complex expressions.

Retrieve the Case ID of the Parent of the selected case

In a form where a case was selected, the id of that case's parent (if one exists) can be referenced as

```
instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/index/parent
```

Count of all Child Cases

You may want to get a count of all the open child cases that a specific parent case has. The expression you should use is:

In a form:

```
count(instance('casedb')/casedb/case[index/parent = instance('commcaresession')/session/data/case_id][@status = 'open'])
```

In a form display condition:

```
count(instance('casedb')/casedb/case[index/parent = @case_id][@status = 'open'])
```

Displaying Only Parents with Child Cases

In a case list, if you'd like to filter the case list to only show parents that have open child cases, use the following expression:

```
count(instance('casedb')/casedb/case[index/parent = @case_id][@status = 'open']) >= 1
```

Note: *both of these expressions will only work if the both parent and all child cases are owned by the mobile worker that is in use.*