Resolving Negative Total New Attendees

What is the issue?

When a group has more "Attendees Completing Group" than it has new attendees (defined as new males plus new females) across all of its activities, the new "Total New Attendees" field will be negative. The system does not allow for activities with negative Total New Attendees to be saved or updated, which can stop users from entering new data or updating old data.

Why does the issue occur?

The point of this change is to enforce the idea that there should never be more completing attendees in a group than there ever were new attendees. Newly entered activities will force the user to enter data according to this rule, but existing data may have been entered incorrectly before this change. When users try to edit existing data that is already entered incorrect, this is when the negative Total New Attendees becomes an issue.

Example:

If there are 10 new males and 10 new females in the first activity, there can only be 20 completing attendees. Assuming the first activity has 10 completing attendees, the second activity will now have a surplus of 10 new attendees. This means if there are 10 new males and 10 new females in the second activity, there is potentially 30 attendees that can complete the group. If at any time the number of completing attendees exceeds the total new attendees, the system will produce an error and not allow the user to save or update until the error is corrected.

How do I resolve the issue?

The workaround to correct this issue is as follows:

1) Open the first activity in the group
2) Write down, print, or otherwise document the data as-is
   a. This is important so you can back-out temporary changes later
3) Add the negative amount of "Total New Attendees" as a positive amount
   a. i.e., If you have -100 Total New Attendees, add 100 to each of the following fields:
      i. Total Attendees
      ii. New Males OR New Females
      iii. Any Age Group
      iv. Any Race
      v. Any Ethnicity
   b. If this step is done correctly, you will have 0 Total New Attendees and the system will not produce errors when saving
4) Open the next activity in the group
5) Correct the New Males/Females and Attendees Completing Group
6) Repeat steps 4 and 5 until you have corrected all of the activities with incorrect data in the group

7) Open the first activity in the group
8) Back out the changes from step 3
   a. If the first activity was incorrect originally, you should now correct the activity similarly to step 5
   b. If this step is done correctly, you will have 0 or more Total New Attendees and the system will not produce errors when saving

Why can't this be automated / auto-corrected?

Unfortunately because the data itself is the issue, there is no way to systematically fix the problem. Only an end user that knows how many actual new males/females attended and completed can correct the issue.