

***BREAKAWAY: Combating Violence Against Women and Girls through
Soccer Video Game and Youth Camps***

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Abstract

Violence against women and girls (VAWG) is a major global economic, health, and human rights issue and causes severe damages to individual victims and societies at large. Early interventions among youth are crucial for combating VAWG. *BREAKAWAY* is an online, narrative-based, role-playing soccer game purposefully designed to educate youth worldwide about the issue of VAWG and to change their attitudes and behaviors. In 2013, the *BREAKAWAY* team hosted two 5-day youth camps in El Salvador. Event-based time diary, participatory sketching, gamification strategies, and supplementary post-hoc Facebook Insights analysis was used for assessment. Overall, the game and camp experience had a profound impact on participants in terms of awareness, knowledge, attitude, skill building, and initiation of behavioral change regarding gender inequality and VAWG. Through game play around the main characters and their dialogues in various challenging situations, participants formed their understanding of the good qualities of sportsmanship, debated about the rationale of different decision-making processes, wrote individual letters to the abusive character, and co-constructed RESPECT acrostic poems/rap songs. They showed empathy and sympathy to the characters that were mistreated in the game and admiration and approval for the positive role models. They were also able to sketch out real-life bullying scenarios and demonstrate some of the VAWG strategies they learned from the game and camp activities. Participants chose significantly more female player stickers as rewards than male player stickers. The *BREAKAWAY* Facebook page attracted more traffic and engaged more user activities.

Keywords: violence against women/girls, social impact games, evaluation, *BREAKAWAY*

BREAKAWAY: Combating Violence Against Women and Girls through Soccer Video Game and Youth Camps

Violence against women and girls (VAWG) is a major global economic, health, and human rights issue. It is prevalent and takes place in a wide range of forms. At least one out of every three females in the world will experience VAWG in her life time, be it physical, sexual, psychological, or in some other way (World Health Organization, 2013). Women and girls make up 80% of human trafficking victims each year; more than 100 million suffer from female genital mutilation; over 600 million live in countries where domestic violence is not even considered a crime yet (UNiTE, 2014). VAWG cuts across age, race, socioeconomic status, and the boundary of cultures, nations, communities, and families; it causes severe damages to individual victims and societies at large (Crowell & Burgess, 1996; National Center for Injury Prevention and Control, 2003). Exposure to VAWG and accepting violent gender-based norms at a young age can significantly increase the risk of an individual becoming a perpetrator or a victim later in life (García-Moreno, Jansen, Ellsberg, Heise, & Watts, 2005). Therefore, early interventions among youth are crucial for combating VAWG.

BREAKAWAY is an online, narrative-based, role-playing soccer game purposefully designed to educate youth worldwide about the issue of VAWG and to change their attitudes and behaviors. Sponsored by the United Nations Population Fund (UNFPA), *BREAKAWAY* was developed by the Champlain College Emergent Media Center. The game design process involved over 100 students across three years. They also collaborated with international non-profit organization Population Media Center, known as a flagship institution in using entertainment-education strategies for social and

behavioral change. In particular, they applied the Sabido methodology of producing social drama on television and radio to developing the characters and dialogues in the context of video games. Moreover, the narrative is based on real-world issues of gender inequality and VAWG that escalate into a cumulating finale representative of of abduction and trafficking.

Since its debut at the 2010 FIFA World Cup in South Africa, *BREAKAWAY* has reached players in over 140 countries to help raise awareness of gender inequality and reduce VAWG. In 2012, a youth camp model emerged from a student initiative aimed at bringing *BREAKAWAY* to his hometown in the divided West Bank city of Hebron in Palestine. The Champlain team trained local facilitators and organized three youth camps, enabling 120 participants to play the game and engage in social activities. Although no research was conducted to evaluate the impact of these camps, they made the history by having boys and girls playing soccer together on the street for the first time.

In 2013, the *BREAKAWAY* team had the opportunity to work with the United Nations Development Programme (UNDP) and the University of Sonsonate to host two youth camps in El Salvador. El Salvador is the most densely populated Central American country and has one of the highest per capita rates of femicide in the world. This study reports the design, implementation, and results of the evaluation of the *BREAKAWAY* game and youth camps in El Salvador.

Following a brief literature review on entertainment-education, the Sabido methodology, social impact games, and narrative engagement, we explicate our unique research design, procedures for data collection, and results of quantitative and qualitative analyses. In the closing section, we draw upon all the rich insights from this project to

discuss the overall impact of the *BREAKAWAY* game and youth camps in El Salvador and summarize the lessons that can be learned for future endeavors.

Literature Review

Entertainment-Education

“Entertainment-education is a theory-based communication strategy for purposefully embedding educational and social issues in the creation, production, processing, and dissemination process of an entertainment program, in order to achieve desired individual, community, institutional, and societal changes among the intended media user populations” (Wang & Singhal, 2009, p. 272-273). Entertainment has been used for educational purposes since ancient times, but to consciously combine entertainment and education in mass media and mediated communication is a relatively recent phenomenon (Singhal & Rogers, 1999). For almost four decades now, media producers, educators, and researchers around the world have worked together to develop entertainment programs that address important health and social issues such as family planning, domestic violence, and HIV/AIDs (Singhal & Rogers, 2004; Singhal, Wang, & Rogers, 2013). Hundreds of programs have been produced in Asia, Africa, and Latin America primarily in the form of television and radio soap operas, and now increasingly in Europe and North America employing more diverse communication platforms and entertainment genres such as webnovelas and digital games (Wang & Singhal, 2009).

Entertainment-education lies in the power of narrative persuasion (e.g., Kincaid, 2002; Slater & Rouner, 2002). Although people choose entertainment media rather spontaneously and mindlessly, they can quickly immerse themselves in a story and even imagine themselves as the media characters in the program, a phenomenon Cohen (2001)

called *identification*, or imagine having dialogues with the media characters as if they were friends in real life, a phenomenon Horton & Wohl (1956) called *parasocial interaction*. Despite the fictional nature of such entertainment programs, the messages these media characters embody and the actions they take can dramatically influence audience members' knowledge, attitudes, and behaviors (Green, Chatham, & Sestir, 2012; Morgan, Movius, & Cody, 2009). Studies have consistently shown that entertainment-education programs are effective and empowering; when accurate information is seamlessly incorporated in the storyline and positive behaviors modeled by appealing characters, they transform human communication and save lives (Jacoby, Brown, Kumar, Velu, & Rimal, 2013; Singhal, Cody, Rogers, & Sabido, 2004).

The Sabido Methodology

Much of mass-mediated entertainment-education programs have been inspired by the work of Mexican writer-producer-director Miguel Sabido (Singhal & Rogers, 1999). Drawing upon his production experiences and understanding of theoretical frameworks such as Bandura's social learning model, Bentley's work on dramatic theory, and Jung's archetypes, Sabido formulated a methodology for the production of pro-social soap operas (Sabido, 2004). He is a trailblazer for creating a series of social content *telenovelas* in Latin America in the 1970s and early 1980s and changing the lives of millions (Singhal & Rogers, 1999).

Key elements in the Sabido methodology include: a *values grid* derived from the *moral framework* of a specific educational issue; *social modeling* through the protagonist, antagonist, and satellite characters; using *cliffhangers* to engage the audience, *epilogues* to spur discussions, and *infrastructure* and resources to provide accurate information and

further assistance to change (Sabido, 2004). Among all of these key elements, the social modeling approach based on Bandura's social learning/cognitive theory is arguably the most critical part. For example, *similarity modeling* can evoke deep empathy and boost self-efficacy as the audience watches their favorite characters suffer, doubt, and ultimately triumph the obstacles and win the victory. In addition, *transitional modeling*, as often shown in the characters that contemplate about obstacles and eventually take actions to make the positive change can demonstrate the complexity of the cognitive, emotional, and communicative processes of social and behavioral change. The Sabido methodology has since been adopted and adapted globally over the past 30 years. To our knowledge, *BREAKAWAY* is among the first to apply the Sabido methodology in video games.

Social Impact Games

Video games are one of the largest and most profitable media industries and have a tremendous impact on its global community of consumers, especially among the younger generations growing up immersed in digital game play in their everyday life. Despite the negative stereotype of games being harmful and frivolous in the early days, parents now accept game play with more appreciation and positive attitudes (ESA, 2014). Video games are inherently fun; they are capable of simulating real world scenarios with multiple sensory stimuli; and the interactive and experiential game play can take audience beyond the vicarious learning provided in traditional mass media programming (Wang & Singhal, 2009). The number of games addressing health and social issues has been increasing rapidly in the last 20 years (Ritterfeld, Cody, & Vorderer, 2009). A growing body of literature demonstrates that games hold great potential and can be highly

effective for promoting public health and social justice (Ferguson, 2012; McGonigal, 2011; Peng, Lee, & Heeter, 2010; Rebolledo-Mendez, Avramides, de Freitas, & Memarzia, 2009).

Social impact games, also referenced as games for change, are designed to raise awareness, change attitudes, and advocate pro-social actions on a variety of topics such as poverty, hunger, global warming, and immigration. The specific goals of the *BREAKAWAY* game and youth camps are to help players gain awareness and knowledge about the forms and consequences of VAWG as well as related gender-based norms and behaviors; encourage them to discuss these issues with their peers; and promote positive gender roles, values, attitudes, and actions.

Narrative Engagement in Games

Not all video games have a storyline or main character, but a majority of the dramatic elements in game design have to do with narrative (Fullerton, Swain, & Hoffman, 2004). For example, *premise* helps situate a game in a specific setting of time and place; *character* and *story* provide the players a clear sense of mission and connection; and *conflict* creates a dramatic arc wherein the game play experience unfolds with exposition, rising action, climax, falling action, and resolution (Fullerton, Swain, & Hoffman, 2004). The interaction between game player and media characters can generate parasocial communication (Hartmann, 2008) and role-playing can enhance player empathy and promote positive outcomes (Peng, 2008; Peng, Lee, & Heeter, 2010). Not only these dramatic narrative elements are consistent with the Sabido methodology in traditional entertainment-education programs, when they are used in video games, they

can enhance the entertainment experiences by making them more compelling and memorable (Wang, Shen, & Ritterfeld, 2009).

In the *BREAKAWAY* game, the premise is that the player has decided to try out for a soccer team in town. He or she is presented with various challenges in a series of episodes. Other characters include Tal, Zak, Hanna, and Reina. Tal is the team captain who is very competitive and controlling, can be a snob to others, and is willing to do anything to win. Zak is a veteran team member who is good at the sport but also has a warm heart to look out for everyone. Hanna is the player's younger sister who is an enthusiastic fan of the player and the team but also a target of bullying. Reina is a newcomer in town who is a talented soccer player and stands up for herself when she gets discriminated by her male teammates because she is a girl. Here, Tal represents a negative role model of physical abusive men and their cycle of abusive behaviors. Zak represents a positive role model of bystander intervention in bullying situations. Reina represents a positive role model of VAWG target standing up for themselves., Both Hanna and Reina are victims turned champions of VAWG. Important messages are incorporated in the character dialogues to achieve specific objectives for each of the 13 game episodes. The player will face a range of conflict situations and is asked to make choices, which in turn will affect other characters in the game and the overall trajectory of the game play experience and final outcome. Based on the above literature review, it is reasonable to expect the players of *BREAKAWAY* in El Salvador to demonstrate increased awareness of VAWG, learned strategies for handling situations specifically portrayed in the game episodes, positive attitudes and gender-based norms, and pro-social intentions and behaviors.

Methods

Study Context

El Salvador is located in Central America and its official language is Spanish. Approximately 34% of its population is below the national poverty line and 43% is illiterate. The country has the highest rate of gender-motivated killing in the world but the impunity of femicide crimes is an astounding 77% (UN Women, 2013). Sonsonate, among the areas of top violence rates in El Salvador, was chosen for the *BREAKAWAY* youth camps due to the existing infrastructure and partnerships between local sponsors the UNDP, the University of Sonsonate, and the Network Municipality of Sonsonate. All project materials were translated from English to Spanish for data collection and back translated for data analyses. The Champlain team worked with local staff to coordinate the recruitment of youth participants and ensure all the materials and procedures were culturally appropriate. Following a two-day training of local facilitators, the *BREAKAWAY* youth camps took place on November 21, 22, 26, 27, and 28, 2013, one camp in the morning session and the other in the afternoon. Each day at the camps was structured with a brief introduction, a game play session in the university computer labs, and subsequent group activities and facilitated discussions.

Research Design

Given the constraints of time, funding, and human resources, a pre-post evaluation plan was deemed impossible. All of the assessment efforts had to be focused while the *BREAKAWAY* team was on site in El Salvador. Therefore, this evaluation combined event-based time diary method with participatory sketching, gamification strategies, and a complementary post-hoc analysis of Facebook Insights.

Time diary is a research technique for collecting data through frequent self-reports on a person's activities for a short, manageable period of time (Robison, 2002). This method is useful for capturing the particulars of certain events and life experiences in an open-ended fashion (Bolger, Davis, & Rafaeli, 2003). Two versions of a custom playbook were developed, one for the youth participants and the other for the group facilitators. A time-diary journal was organized by the camp schedule with clear and specific instructions provided for each question. In the facilitator's version, detailed procedures were described for moderating group activities and discussions. Examples were also included for demonstration purpose to avoid confusion. Selected screen captures from the game were provided at the end to help highlight the character dialogues and facilitate participant recall.

Time diary typically relies on text-based responses. Participatory sketching was chosen to serve as an alternative way of data collection, using pencils and drawings as non-textual tools of creative expressions. Researchers have found this method to be effective and insightful among participants with low literacy, high language barrier, and of silenced and marginalized population groups (Singhal & Rattine-Flaherty, 2006; Rattine-Flaherty & Singhal, 2009). Therefore, youth campers were asked to sketch out their answers to certain questions in addition to articulating their thoughts, feelings, and personal experiences in words.

Furthermore, gamification strategies were used to motivate campers to engage in research activities and provide maximum feedback. Gamification is often referred to as the approach of using game-like thinking, elements, and processes for non-game contexts and common strategies include points, badges, and leader boards (Zichermann &

Cunningham, 2011). To accompany the *BREAKAWAY* playbook for the camp participants, a set of custom stickers were designed and printed. These stickers included images of male and female soccer players with each assigned 10 points. Additional images included other soccer related objects such as the soccer ball, goal, flag, and trophy, with each assigned 5 points. At the end of each day, facilitators graded the journal entries with points and participants were invited to redeem these points for stickers of their own choice. Four badges were offered to honor “the best story,” “the most elaborate (writer),” “the most creative (answer),” and “the most artistic (sketching).” With the assumption that campers will stay in the same group for facilitated activities and discussions, a leader board was created with instructions about how points could be calculated for each group over the five days by converting to colored blocks of the *BREAKAWAY* game logo with the winning team being rewarded the *BREAKAWAY* wrist bands.

The Champlain team also kept self-reflections while running the camps in El Salvador. One of the most outstanding observations was the peak of activities on Facebook with many more users liking the *BREAKAWAY* page and commenting on camp related photos and videos. Therefore, a post-hoc analysis was conducted on the Facebook Insight data to supplement the self-reports from the playbooks.

Participants

A total of 83 campers (38 in the morning camp and 45 in the afternoon camp) played the *BREAKAWAY* game and participated in facilitated group discussions and interactive activities during the 5-day camps. An additional 33 youth from other camps at the University of Sonsonate volunteered to play the first episode of the game and complete the playbook without any facilitation. Unfortunately, a majority of their

answers were incomplete or illegible so their data could not be used as a control group for between-subjects comparisons. Table 1 presents a summary of the descriptive statistics of the analytical sample with a breakdown of morning and afternoon camps.

Game Episodes, Group Activities, and Data Collection Procedures

Upon arrival for the first day of *BREAKAWAY* camps, participants were provided with the study information both on a written document and verbally explained by the staff in Spanish. They were ensured clear understanding of the research purpose, procedures, and their rights and protection as human subjects before granting assent to participate in the study and signing off on the media release form.

Five out of the 13 game episodes were selected for the youth camps in El Salvador. Episode 1 introduced the main characters to the players in the context of a soccer team tryout. In the group discussions, participants were asked to talk about the way Tal treated Zak and Hanna and explain why they like or dislike these characters and their behaviors. A fact sheet was provided about VAWG in El Salvador, in the United States, and at the global scale. Participants were then asked to choose an adjective to describe each character, draw any number of smiley or frowning faces to indicate the degree of liking or disliking the characters as well as the way they treated each other. In addition, they were asked if they had met or heard about people like Tal and describe what happened.

Episode 2 presented two scenarios where in one scenario Tal was mean to Hanna, demanding her to stay out of the soccer field because the sport is for boys, and in the second scenario Tal started a rumor to manipulate a former teammate Will who is moving away. Participants were asked to draw a picture of Hanna and Will respectively to show

how the character might feel in that situation and add a bubble to show what might be going through their mind. They were also asked to write a letter to Tal from the perspective of his veteran teammate Zak.

In Episode 3, Tal continued to bully Hanna. The group activity focused on having participants role play different characters and they discussed various forms of VAWG. They were asked to draw a disrespectful behavior they had seen before in real life and write a RESPECT acrostic poem.

In Episode 4, Reina was recruited to the team for her talent but her male teammates were threatened and resented her for being a girl who plays soccer. A celebrity soccer player Samuel Eto'o paid a surprise visit and encouraged the team to discuss the meaning of sportsmanship. The group activity was a great debate about having girls on a soccer team and the participants were subsequently asked to articulate their personal opinion, and pick their favorite character or quality of good sportsmanship to make word art from.

Finally, in Episode 10, Zak intervened as a bystander while the bullying situation exacerbated between Tal and Hanna. In the group activity, participants discussed established strategies for dealing with bullying situations and they were then asked to draw an example of bullying (verbal, physical or psychological) that they learned from the *BREAKAWAY* game and demonstrate how to deal with it. The final writing assignment was a 5-point star rating of the camp experience, camp facilitators, and other camp participants. They were given space to write about what they learned from the camp experience, describe their most memorable moments, and share how the *BREAKAWAY* game had changed them or their lives.

Data Analysis and Content Coding

The quantitative data was analyzed in SPSS 20.0 and the qualitative data was coded by the last two authors, with an agreement of at least 85% across all questions. A database of all the drawings was established and the most revealing and representative images were selected for the final reporting.

Results

Overall Ratings

Based on a 5-star rating scale, on average, participants rated 4.90 about the overall camp experience, 4.66 about the camp facilitators, and also 4.66 about other campers. The camps left participants with numerous memorable moments, especially the group activities, making friends, playing the game, and interacting with the facilitators. Participants claimed that “the camp is the best thing that has happened to me;” they learned that “the abuse of women is bad,” “do not react to violent situations in a violent way because it can make things worse so it is best to remain calm.” They reported that *BREAKAWAY* changed them in many ways. One said, “It opened my mind that girls can do the same things as boys.” Another said, “*BREAKAWAY* changed me morally in terms of respect to others.” Not only were changes noted in awareness and attitudes, but some also indicated their behavioral change. For example, one said, “before I liked to bug the shit out of other people and now I have changed and I am not like that anymore.” Another said, “Now I play more with girls.”

Response to Game Characters

All of the participants were able to correctly identify with the main characters. They associated negatively with Tal, describing him as “bad,” “selfish,” and “rude.”

They associated positively with Zak, describing him as “kind,” “nice,” and “helpful.” They also associated positively with Hanna, highlighting her “happy” and “cheerful” character. They all marked frowning faces to indicate that they disapproved of the way Tal treated Zak and Hanna in Episode 1.

When asked to sketch out how Hanna and Will might feel and think about the situation when they were mistreated by Tal, participants demonstrated considerable empathy and sympathy through their sketching (see examples in Figure 1). And in the letter to Tal, a total of 136 statements were made, of which 25 described participants’ observations of Tal’s personality and behavior, 100 suggested Tal to change his behavior (e.g., stop bullying, discriminating girls, being rude), 8 specified the negative consequences if Tal remains a snob (e.g., hurting people’s feelings, losing friends, and leading to failure), and 6 explained their rationale for recommending Tal to change (e.g., importance to respect girls).

Identification of Disrespectful Behaviors

Based on the game play in Episode 3, participants were able to correctly identify disrespectful behaviors and reflect their understanding through their drawings (see examples in Figure 2). In addition, they were inspired by *BREAKAWAY* to write beautiful RESPECT acrostic poems and some even worked as a group and turned them into rap songs. Below are two selected poems:

Respecting that girls can play
Is our responsibility, along with
Discipline and Safety on the field
Passion during training
Working as a team being proud of ourselves
That will lead us to victory

Responsible members of society

Understand that we are all equal
 Always together and strongly united
 We always think before we act
 We are tired of the lack of equity working together
 Equity we will achieve
 We are always proud of equality

Good Sportsmanship and the Gender Equality Debate

When asked to pick a favorite character and discuss the qualities of good sportsmanship as presented in Episode 4, participants' answers were closely associated with the characteristics of the main characters including both the positive ones such as honest, generous, kind, respectful, and friendly, as well as the negative ones such as selfish (see examples of the word art in Figure 3).

When articulating their personal opinions about having girls on a soccer team, 90.7% of the 118 participants' statements were supportive, of which 43 were about girls' capability (e.g., "girls have the same ability as boys"), 34 were about girls' rights (e.g., "they have the right to be respected," "no one can deny girls the right to play"), 18 were about gender equality (e.g., "girls and boys are equal" and "everyone has value"), 5 were about discrimination (e.g., "no reason to exclude a girl"), 4 were about opportunity (e.g., "girls need to be given the opportunity to play"), and 3 were about respect (e.g., "women deserve respect"). The other 9.3% seemed to be contingent upon certain conditions (e.g., "Yes, they can but girls can get hurt") and only one participant said "soccer isn't for girls."

Learning Practical VAWG Strategies

In Episode 10, participants were asked not only to identify bullying situations but also to demonstrate the strategies for handling the situation based on what they learned from *BREAKAWAY*. During the group activities, they discussed the concept of FLOAT

(Forget about it, Leave, Openly express yourself, Apply strong words, and Tell somebody). A great majority of the participants were able to illustrate their correct understanding through their creative sketching along with the added character dialogues (see examples in Figure 4).

Sticker Sheets and Gender-Based Choices

The most successful gamification strategy implemented during the camps was the stickers. They quickly became popular among participants and their choices of female versus male soccer player stickers were particularly useful for reflecting their perceptions and attitudes toward gender equality. The research team had the coding of 56 campers' sticker sheets for statistical analysis. Participants were given opportunities to choose various stickers as rewards to decorate the soccer field worksheet in the playbook. The total number of stickers they earned ranged from 1 to 29 ($M = 17.86$, $SD = 6.25$). Overall, there were significantly more female player stickers ($M_F = 8.11$) than male player stickers ($M_M = 7.64$) chosen by the participants in the entire sample. This pattern was consistent across the two camps. Girls chose significantly more female soccer player stickers ($M_F = 10.65$) as compared to male soccer player stickers ($M_M = 5.70$). Boys chose significantly more male soccer player stickers ($M_M = 10.04$) but still asked for a substantial number of female soccer player stickers ($M_F = 6.64$).

The badges also provided participants a sense of reward. Among all campers, only two earned three badges, seven earned two badges, and 12 earned one badge.

Unfortunately, the groups had to be changed from day to day to keep the energy flowing so the leaderboard was not able to be implemented for group competition. In the end, every participant was given a *BREAKAWAY* wristband at the “graduations.” The

wristbands were incredibly popular with both the youth and leadership from the partnering organizations. In the end the children took ALL the wristbands to bring home as well as the CDs.

***BREAKAWAY* Facebook Insights**

From mid-November 2013 to the end of February 2014, the *BREAKAWAY* team posted a total of 60 messages regarding the El Salvador youth camps on their Facebook page. In particular, when the team was in the field from November 18 - 30, multiple posts from the camps were shared via photos and short videos and there was a spike in the daily number of page likes. Some of these posts reached not just hundreds but thousands of Facebook users. The most popular video was played almost 100 times. Altogether in 3.5 months, the *BREAKAWAY* camp posts gained 1,308 likes, 177 shares, and 198 comments; over 60 Facebook users from Latin America/El Salvador liked the posts; and some of the trained local facilitators became the most enthusiastic fans on *BREAKAWAY* Facebook page.

Discussion

Summary of Findings

A combination of event-based time diary, participatory sketching, gamification strategies, and supplementary post-hoc Facebook Insights analysis was used to assess the impact of the *BREAKAWAY* game and 5-day youth camps in El Salvador. Our results suggest that they were a great success. The experience had a profound impact on the young campers and trained local facilitators in terms of awareness, knowledge, attitude, skill building, and initiation of behavioral change regarding gender inequality and VAWG. Through game play around the main characters and their dialogues in various

challenging situations, participants formed their understanding of the good qualities of sportsmanship, debated about the rationale of different decision-making processes, wrote individual letters to the abusive character, and co-constructed RESPECT acrostic poems/rap songs. They showed empathy and sympathy to the characters that were mistreated in the game episodes and admiration and approval for the positive role models. They were also able to sketch out real-life bullying scenarios and demonstrate some of the VAWG strategies they learned from the game and camp activities.

The gamification strategies proved to be engaging for the youth participants, particularly the soccer player stickers. The significant result of participants voluntarily choosing more female than male soccer player stickers suggested that the *BREAKAWAY* game and youth camps indeed opened the participants' eyes and transformed their perceptions of gender roles and norms. The sex specific sub-analyses also revealed that girls chose significantly more female soccer player stickers, perhaps an indication of empowerment; and boys chose a substantial number of female soccer player stickers as well, showing the potential for openness to gender equality. The Facebook Insights also suggested that the *BREAKAWAY* youth camps in El Salvador attracted a global audience and initiated a vibrant online community that allows for continued communication and collaboration for future endeavors.

Limitations and Directions for Future Research

Designing and implementing an assessment of a real intervention like the *BREAKAWAY* game and youth camps can encounter great challenges with scheduling, budgeting, logistics, and team coordination. We were not able to employ an experimental design with a control group for between-subjects comparison or a pre-post assessment for

within-subject comparison. Therefore, as rich and insightful as the results are in this study, we cannot make a strong causal claim about the findings.

The combination of text-oriented time diary approach and the non-textual participatory sketching was effective in capturing participants' perceptions. The qualitative data accomplished the breadth and depth of the participants' experiences. However, more quantitative measures may be creatively incorporated into the journal to obtain repeated measures over time for inferential rather than descriptive statistical analysis.

In addition, this evaluation mostly relied on self-reports. Future research may consider including systematic observations to record actual behaviors and increase the objectivity of the data. Similarly, tracking a subset of participants on social media during and after the camps can also leverage on longitudinal data for analysis of causality.

Though the camp model focused on and scheduled for five chapters, the youth, due to their own interest, made time pre-and post sessions to play all of the episodes and made sure to complete the entire game by camps' end. Also, the participants concluded the camp with a soccer game that included both male and female participants on the final day of the camps. The current study only focused on the planned content. Future research should account for these unpredictable factors and incorporate additional methods for data collection and analysis.

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Table 1. *Descriptive Statistics of Analytical Sample.*

	Analytical sample	AM camp group	PM camp group
<i>N</i>	83	38	45
<i>Age</i>			
Range	7-18	7-15	8-18
<i>Median</i>	12	12	12
<i>Mode</i>	12	12	12
<i>M</i>	11.94	11.50	12.29
<i>SD</i>	2.30	2.56	2.05
<i>Sex</i>			
Boys	40	20	20
Girls	29	11	18
Unknown	14	7	7

Figure 1. Participatory Sketching of Hanna and Will.



Figure 2. *Participatory Sketching of Identified Disrespectful Behaviors.*

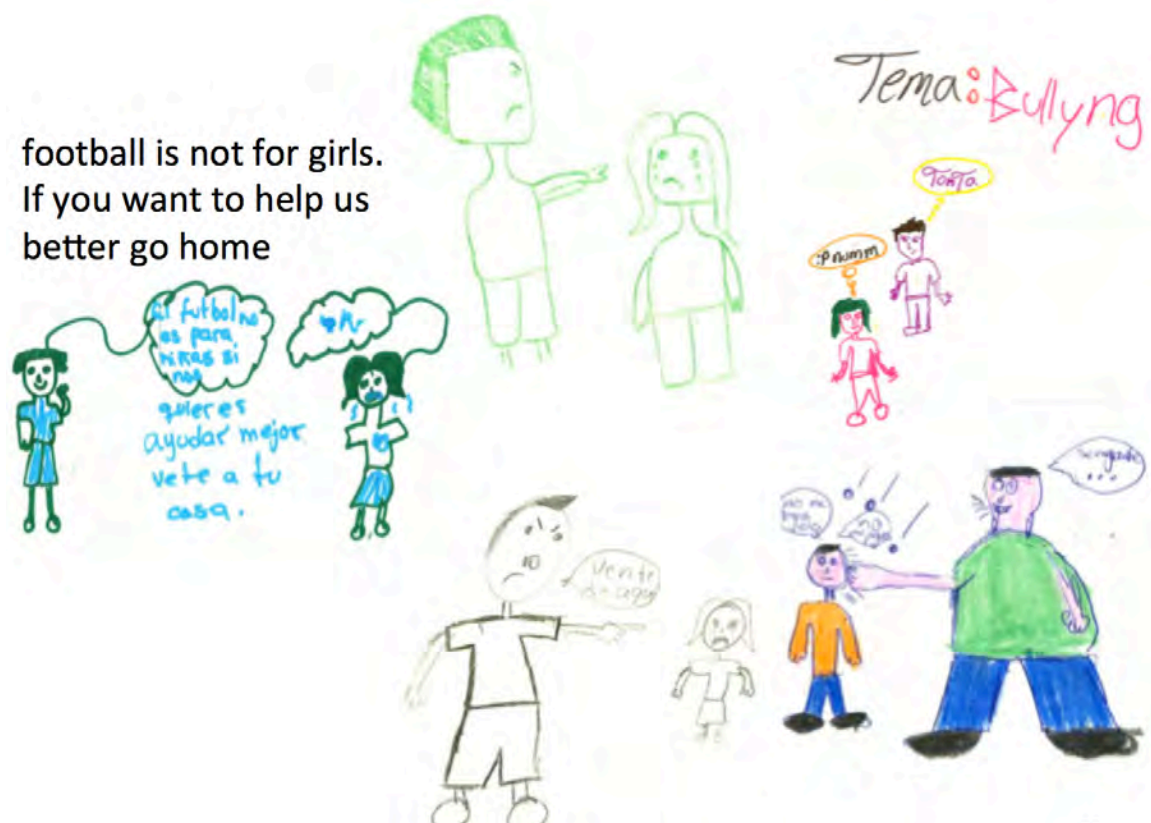


Figure 3. *Word Art of Positive and Negative Sportsmanship.*



Figure 4. *Participatory Sketching of Learned VAWG Strategies.*

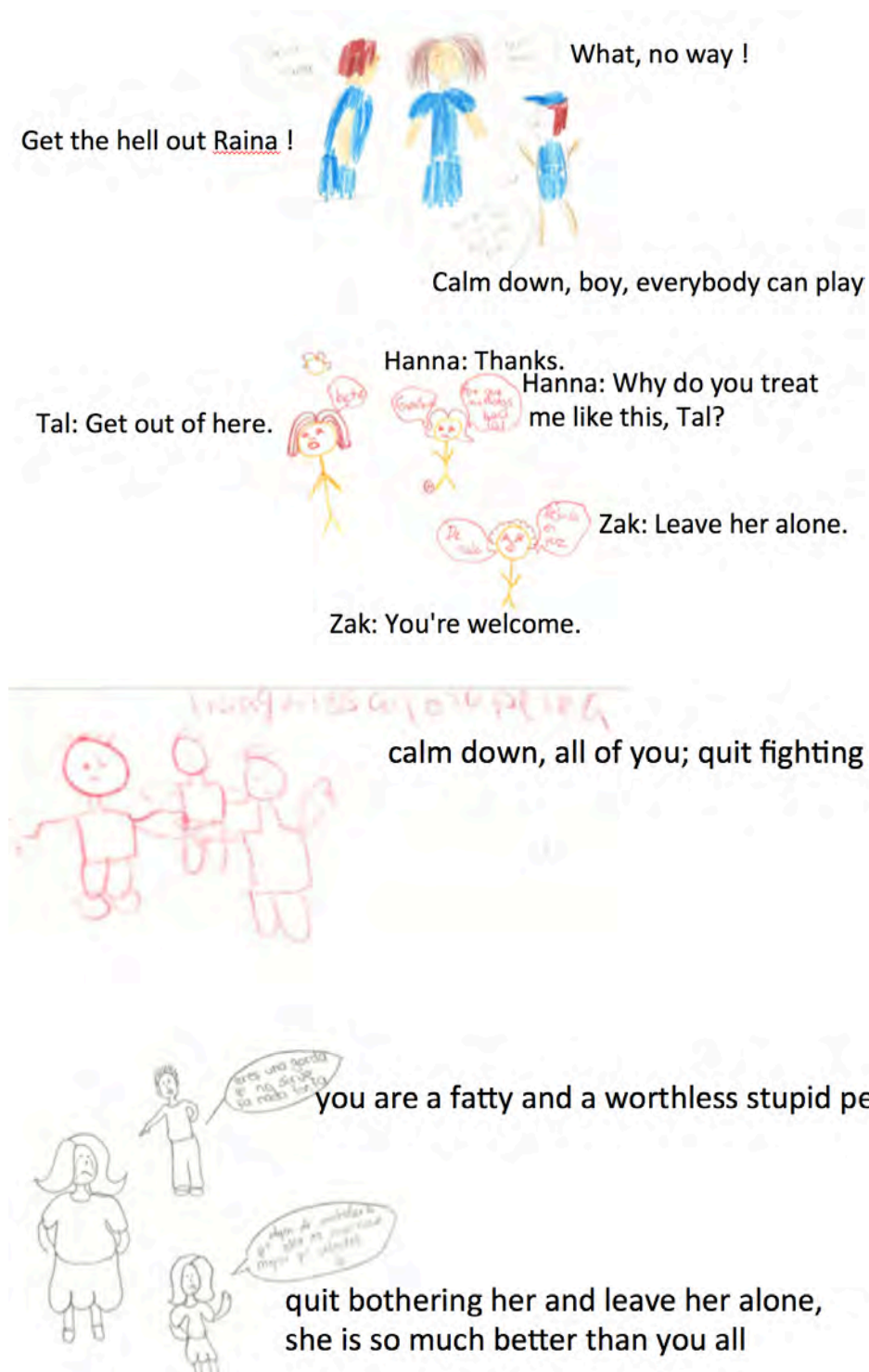
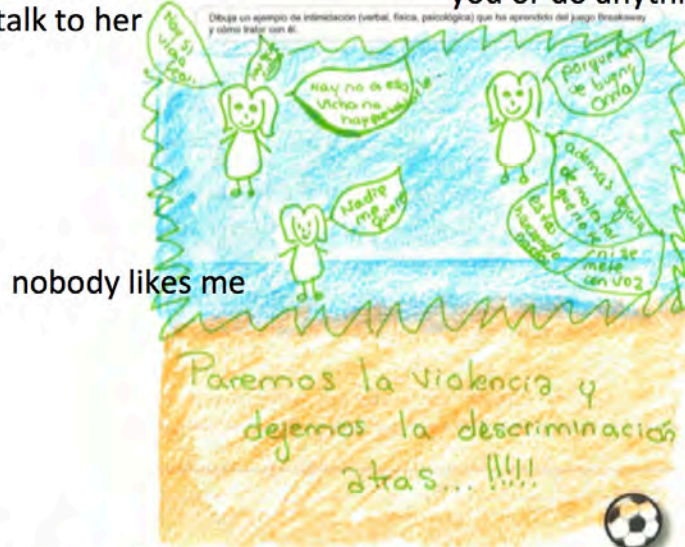


Figure 4. Participatory Sketching of Learned VAWG Strategies (cont.).

yeah, she's such an ugly girl.
 oooh, so gross. this girl –
 don't talk to her

because she looks nice.
 what's more, quit bothering her,
 She doesn't even hang out with
 you or do anything to you.



we stop violence and leave discrimination in the past!!!!

"Why you say that?"



"You are ugly!"

I will try to ignore her

yo trataré de ignorarla

"don't bother her"



"shut up"



"don't you dare insult me"