

## Materials

Are Children Perceived to be Morally Exceptional? Different Sets of Psychological Variables

Predict Adults' Moral Judgments about Adults and about Young Children

**STUDY 1**

**IRI**

The following statements ask about your thoughts and feelings in a variety of situations. For each item, show how well it describes you by choosing the appropriate number on the scale. READ EACH ITEM CAREFULLY BEFORE RESPONDING. Answer as honestly and as accurately as you can. Thank you.

	Does not describe me				Describe s me very well
I often have tender, concerned feelings for people less fortunate than me.	<input type="radio"/>				
I sometimes find it difficult to see things from the “other guy’s” point of view.	<input type="radio"/>				
Sometimes I don’t feel very sorry for other people when they are having problems.	<input type="radio"/>				
I try to look at everybody’s side of a disagreement before I make a decision.	<input type="radio"/>				
When I see someone being taken advantage of, I feel kind of protective towards them.	<input type="radio"/>				
I sometimes try to understand my friends better by imagining how things look from their perspective.	<input type="radio"/>				
Other people’s misfortunes do not usually disturb me a great deal.	<input type="radio"/>				
If I’m sure I’m right about something, I don’t waste much time listening to other people’s arguments.	<input type="radio"/>				
When I see someone being treated unfairly, I sometimes don’t feel very much pity for them.	<input type="radio"/>				
I am often quite touched by things I see happen.	<input type="radio"/>				
I believe that there are two sides to every question and try to look at them both.	<input type="radio"/>				
I would describe myself as a pretty soft-hearted person.	<input type="radio"/>				
When I’m upset at someone, I usually try to “put myself in his shoes” for a while.	<input type="radio"/>				
Before criticizing somebody, I try to imagine how I would feel if I were in their place.	<input type="radio"/>				
Please select does not describe me for this question	<input type="radio"/>				

*Note: for all multi-item scales, the order of presentation of items was randomized.*

**PCAT**

The first part of this questionnaire relates to your personality and personal preferences. Please rate how much you agree with the following statements.

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
When I see infants, I want to hold them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would feel compelled to punish anyone who tried to harm a child.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would hurt anyone who was a threat to a child.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Babies melt my heart.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would use any means necessary to protect a child, even if I had to hurt others.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would show no mercy to someone who was a danger to a child.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

TENDERNESS describes a "warm, gentle feeling of sympathetic affection." Below are various hypothetical scenarios that may or may not evoke this feeling. Please rate how much TENDERNESS you would feel in each situation. If you are unsure, go with your gut reaction.

	1 - No tenderness at all	2	3	4	5 - A lot of tenderness
You hear a young child trip and fall, and begin to cry.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
You watch as a toddler takes their first step and tumbles gently back down.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
You make a baby laugh over and over again by making silly faces.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
You see that a baby is sick.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>





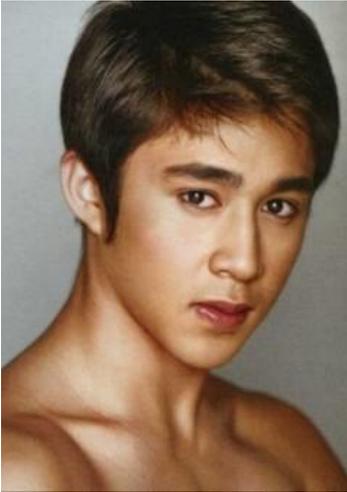
*Photos of targets:*















**Demographics**

Please fill in the following autobiographical data.

Age:

Sex/Gender:

- Male
- Female

If you are human please choose choice 3

- 1
- 2
- 3
- 4
- 5

Race/ethnicity:

Nationality (citizenship/country of birth):

Are you a parent?

- Yes
- No

If yes, how many children do you have?

If yes, what is the age of your youngest child?

If no, do you want to have children in the future?

- 1 Not at all
- 2
- 3
- 4
- 5 Very Much







How bizarre do you find this situation?

- Normal
- Slightly bizzare
- Somewhat bizzare
- Bizzare
- Extremely Bizzare

How extreme do you find this situation?

- Normal
- Slightly extreme
- Somewhat extreme
- Extreme
- Extremely Extreme

Child saves many children: Enemy soldiers have taken over a small village. They have orders to kill all remaining civilians. Some of the townspeople have sought refuge in the cellar of a large house. Outside they hear the voices of soldiers who have come to search the house for valuables. One of the women of the town has a baby that begins to cry loudly. She covers his mouth to block the sound. She knows that if she removes her hand from his mouth his crying will summon the attention of the soldiers who will kill her, the baby, and the others hiding out in the cellar, which includes more than a dozen young children from the village. To save herself and the others, she smothers the child to death.

Adult saves many adults: Enemy soldiers have taken over a small village. They have orders to kill all remaining civilians. Some of the townspeople have sought refuge in the cellar of a large house. Outside they hear the voices of soldiers who have come to search the house for valuables. One of the women of the town is sitting next to an injured man from the village, who begins to cry loudly. He will not stop crying, and she covers his mouth to block the sound. She knows that if she removes her hand from his mouth his crying will summon the attention of the soldiers who will kill her, the man, and the others hiding out in the cellar, which includes more than a dozen adults from the village. To save herself and the others, she smothers the man to death.

Adult saves many children: Enemy soldiers have taken over a small village. They have orders to kill all remaining civilians. Some of the townspeople have sought refuge in the cellar of a large house. Outside they hear the voices of soldiers who have come to search the house for valuables. One of the women of the town is sitting next to an injured man from the village, who begins to cry loudly. He will not stop crying, and she covers his mouth to block the sound. She knows that if she removes her hand from his mouth his crying will summon the attention of the soldiers who will kill her, the man, and the others hiding out in the cellar, which includes more than a

dozen young children from the village. To save herself and the others, she smothers the man to death.

**Scenario #2**

Child saves many adults: A police officer is negotiating with a powerful and determined terrorist who is about to set off a bomb in a crowded area. His one advantage is that he has the terrorist’s 3-year-old son in his custody. There is only one thing that he can do to stop the terrorist from detonating his bomb, which will go off near a university and kill many people. To stop him, the police officer contacts the terrorist over the satellite hook-up that he has established and, in front of the camera, break one of his son’s arms and then threatens to break the other one if he does not give himself up. Seeing his son, the terrorist agrees to not detonate the bomb and reveals his location, saving dozens of people.

In this situation, the police officer’s actions were:

	Not at all 1	2	3	4	5	6	Highly 7
Morally wrong	<input type="radio"/>						
Inappropriate	<input type="radio"/>						
Offensive	<input type="radio"/>						
Upsetting	<input type="radio"/>						
Anger-provoking	<input type="radio"/>						
Deserving of punishment	<input type="radio"/>						

How bizarre do you find this situation?

- Normal
- Slightly bizzare
- Somewhat bizzare
- Bizzare
- Extremely Bizzare

How extreme do you find this situation?

- Normal
- Slightly extreme
- Somewhat extreme
- Extreme
- Extremely Extreme

Child saves many children: A police officer is negotiating with a powerful and determined terrorist who is about to set off a bomb in a crowded area. His one advantage is that he has the terrorist's 3-year-old son in his custody. There is only one thing that he can do to stop the terrorist from detonating his bomb, which will go off near an elementary school and kill many children. To stop him, the police officer contacts the terrorist over the satellite hook-up that he has established and, in front of the camera, break one of his son's arms and then threatens to break the other one if he does not give himself up. Seeing his son, the terrorist agrees to not detonate the bomb and reveals his location, saving dozens of children.

Adult saves many children: A police officer is negotiating with a powerful and determined terrorist who is about to set off a bomb in a crowded area. His one advantage is that he has the terrorist's 25-year-old son in his custody. There is only one thing that he can do to stop the terrorist from detonating his bomb, which will go off near an elementary school and kill many children. To stop him, the police officer contacts the terrorist over the satellite hook-up that he has established and, in front of the camera, break one of his son's arms and then threatens to break the other one if he does not give himself up. Seeing his son, the terrorist agrees to not detonate the bomb and reveals his location, saving dozens of children.

Adult saves many adults: A police officer is negotiating with a powerful and determined terrorist who is about to set off a bomb in a crowded area. His one advantage is that he has the terrorist's 25-year-old son in his custody. There is only one thing that he can do to stop the terrorist from detonating his bomb, which will go off near a university and kill many people. To stop him, the police officer contacts the terrorist over the satellite hook-up that he has established and, in front of the camera, break one of his son's arms and then threatens to break the other one if he does not give himself up. Seeing his son, the terrorist agrees to not detonate the bomb and reveals his location, saving dozens of people.

### **Scenario #3**

Child saves many adults: A man is driving through a busy city street when his car malfunctions and begins speeding towards an intersection full of pedestrians, including a dozen young adults crossing the street on their way to university. The driver is going too fast and is unable to break in time; his only hope is to swerve out of the way. Unfortunately, the only place that he can

swerve is currently occupied by a mother with her baby. The driver swerves to avoid the group of people, but he collides with and seriously injures the baby.

In this situation, this driver’s actions were:

	Not at all 1	2	3	4	5	6	Highly 7
Morally wrong	<input type="radio"/>						
Inappropriate	<input type="radio"/>						
Offensive	<input type="radio"/>						
Upsetting	<input type="radio"/>						
Anger-provoking	<input type="radio"/>						
Deserving of punishment	<input type="radio"/>						

How bizarre do you find this situation?

- Normal
- Slightly bizzare
- Somewhat bizzare
- Bizzare
- Extremely Bizzare

How extreme do you find this situation?

- Normal
- Slightly extreme
- Somewhat extreme
- Extreme
- Extremely Extreme

Child saves many children: A man is driving through a busy city street when his car malfunctions and begins speeding towards an intersection full of pedestrians, including a dozen young children crossing the street on the way to school. The driver is going too fast and is unable to break in time; his only hope is to swerve out of the way. Unfortunately, the only place that he can swerve is currently occupied by a mother with her baby. The driver swerves to avoid the group of children, but he collides with and seriously injures the baby.



How bizarre do you find this situation?

- Normal
- Slightly bizzare
- Somewhat bizzare
- Bizzare
- Extremely Bizzare

How extreme do you find this situation?

- Normal
- Slightly extreme
- Somewhat extreme
- Extreme
- Extremely Extreme

Child saves many children: A deadly disease is spreading through a hospital, and a hospital administrator is deciding whether to give a recently-developed vaccine to everyone in the hospital to prevent this disease. The vast majority of people who take this vaccine develop an immunity to the disease, but a very small number of children who take the vaccine have an allergic reaction and die from the vaccine instead. The hospital administrator decides to give the vaccine to everyone in the hospital, saving the lives of many children and stopping the spread of the disease. Unfortunately, one 3-year-old girl reacted badly to the vaccine and died.

Adult saves many children: A deadly disease is spreading through a hospital, and a hospital administrator is deciding whether to give a recently-developed vaccine to everyone in the hospital to prevent this disease. The vast majority of people who take this vaccine develop an immunity to the disease, but a very small number of adults who take the vaccine have an allergic reaction and die from the vaccine instead. The hospital administrator decides to give the vaccine to everyone in the hospital, saving the lives of many children and stopping the spread of the disease. Unfortunately, one 30-year-old woman reacted badly to the vaccine and died.

Adult saves many adults: A deadly disease is spreading through a hospital, and a hospital administrator is deciding whether to give a recently-developed vaccine to everyone in the hospital to prevent this disease. The vast majority of people who take this vaccine develop an immunity to the disease, but a very small number of adults who take the vaccine have an allergic reaction and die from the vaccine instead. The hospital administrator decides to give the vaccine to everyone in the hospital, saving the lives of many people and stopping the spread of the disease. Unfortunately, one 30-year-old woman reacted badly to the vaccine and died.





### Moral Judgment Task

You will next read about several situations that might happen to people. As you read about each situation, imagine that this is actually happening, and then report your personal reactions to this situation in the questions that follow.

**Scenario #1:** This following is a description of a situation involving Mike and Alex.

Adult intentionally harms child: Mike, an adult man, was attending the same party as Alex, 3-year-old boy who had been brought by his parents. There were lots of people there, and everyone was having a good time. It was very crowded and there was not very much room to walk through the crowd. Alex was sitting down and suddenly Mike turned and intentionally struck Alex in the face with his hand, severely bruising his eye.

In this scenario, Mike's actions were:

	Not at all 1	2	3	4	5	6	Highly 7
Appropriate	<input type="radio"/>						
Offensive	<input type="radio"/>						
Upsetting	<input type="radio"/>						
Anger- provoking	<input type="radio"/>						
Morally wrong	<input type="radio"/>						
Deserving of punishment	<input type="radio"/>						

How severe was the harm that Mike caused to Alex?

- Not at all severe 0
- 1
- 2
- 3
- Very severe 4



Adult accidentally harms child: Mike, an adult man, was attending the same party as Alex, 3-year-old boy who had been brought by his parents. There were lots of people there, and everyone was having a good time. It was very crowded and there was not very much room to walk through the crowd. Alex was sitting down and suddenly Mike tripped and fell forward and his hand accidentally struck Alex in the face, severely bruising his eye.

Adult intentionally harms adult: Two men, Mike and Alex, were at a party. There were lots of people there, and everyone was having a good time. It was very crowded and there was not very much room to walk through the crowd. Alex was sitting down and suddenly Mike turned and intentionally struck Alex in the face with his hand, severely bruising his eye.

Adult accidentally harms adult: Two men, Mike and Alex, were at a party. There were lots of people there, and everyone was having a good time. It was very crowded and there was not very much room to walk through the crowd. Alex was sitting down and suddenly Mike tripped and fell forward and his hand accidentally struck Alex in the face, severely bruising his eye.

Child intentionally harms adult: Mike, an adult man, was attending the same party as Alex, 3-year-old boy who had been brought by his parents. There were lots of people there, and everyone was having a good time. It was very crowded and there was not very much room to walk through the crowd. Mike was sitting down and suddenly Alex turned and intentionally struck Mike in the face with his hand, severely bruising his eye.

Child accidentally harms adult: Mike, an adult man, was attending the same party as Alex, 3-year-old boy who had been brought by his parents. There were lots of people there, and everyone was having a good time. It was very crowded and there was not very much room to walk through the crowd. Mike was sitting down and suddenly Alex tripped and fell forward and his hand accidentally struck Mike in the face, severely bruising his eye.

Child intentionally harms child: Two 3-year-old boys, Mike and Alex, were at a party. There were lots of people there, and everyone was having a good time. It was very crowded and there was not very much room to walk through the crowd. Alex was sitting down and suddenly Mike turned and intentionally struck Alex in the face with his hand, severely bruising his eye.

Child accidentally harms child: Two 3-year-old boys, Mike and Alex, were at a party. There were lots of people there, and everyone was having a good time. It was very crowded and there was not very much room to walk through the crowd. Alex was sitting down and suddenly Mike tripped and fell forward and his hand accidentally struck Alex in the face, severely bruising his eye.

**Scenario #2:** This following is a description of a situation involving Emily and Olivia.

Adult intentionally harms child: Emily, an adult woman, was at the same party as Olivia, a 2-year-old girl who had been brought by her parents. Many people were there, having fun, but it was very crowded. Olivia was sitting near a table with food and drinks on it. Emily approached the food and drink table and intentionally pushed a tray of glasses off the table in the direction of Olivia. The glasses shattered and one of the shards cut into Olivia’s leg.

In this scenario, Emily’s actions were:

	Not at all 1	2	3	4	5	6	Highly 7
Appropriate	<input type="radio"/>						
Offensive	<input type="radio"/>						
Upsetting	<input type="radio"/>						
Anger-provoking	<input type="radio"/>						
Morally wrong	<input type="radio"/>						
Deserving of punishment	<input type="radio"/>						

How severe was the harm that Emily caused to Olivia?

- Not at all severe 0
- 1
- 2
- 3
- Very severe 4

How much pain do you think that Olivia felt when the glass cut her leg?

- None at all
- A little
- A moderate amount
- A lot
- A great deal

Rate whether you believe that Emily has each of the following capabilities:

	Not at all capable 1	2	3	4	5	6	Highly capable 7
Emily is capable of experiencing pain	<input type="radio"/>						
Emily is capable of experiencing pleasure	<input type="radio"/>						
Emily is capable of feeling sad	<input type="radio"/>						
Emily is capable of feeling happy	<input type="radio"/>						
Emily is capable of exercising self-restraint	<input type="radio"/>						
Emily is capable of doing things on purpose	<input type="radio"/>						
Emily is capable of telling right from wrong	<input type="radio"/>						
Emily is capable of understanding how others are feeling	<input type="radio"/>						

Adult accidentally harms child: Emily, an adult woman, was at the same party as Olivia, a 2-year-old girl who had been brought by her parents. Many people were there, having fun, but it was very crowded. Olivia sitting near a table with food and drinks on it. As Emily approached the food and drink table, she tripped and accidentally pushed a tray of glasses off the table in the direction of Olivia. The glasses shattered and one of the shards cut into Olivia’s leg.

Adult intentionally harms adult: Two women, Emily and Olivia, were at a party. Many people were there, having fun, but it was very crowded. Olivia was sitting near a table with food and drinks on it. Emily approached the food and drink table and intentionally pushed a tray of glasses off the table in the direction of Olivia. The glasses shattered and one of the shards cut into Olivia's leg.

Adult accidentally harms adult: Two women, Emily and Olivia, were at a party. Many people were there, having fun, but it was very crowded. Olivia was sitting near a table with food and drinks on it. As Emily approached the food and drink table, she tripped and accidentally pushed a tray of glasses off the table in the direction of Olivia. The glasses shattered and one of the shards cut into Olivia's leg.

Child intentionally harms adult: Emily, an adult woman, was at the same party as Olivia, a 2-year-old girl who had been brought by her parents. Many people were there, having fun, but it was very crowded. Emily was sitting near a table with food and drinks on it. Olivia approached the food and drink table and intentionally pushed a tray of glasses off the table in the direction of Olivia. The glasses shattered and one of the shards cut into Emily's leg.

Child accidentally harms adult: Emily, an adult woman, was at the same party as Olivia, a 2-year-old girl who had been brought by her parents. Many people were there, having fun, but it was very crowded. Emily sitting near a table with food and drinks on it. As Olivia approached the food and drink table, she tripped and accidentally pushed a tray of glasses off the table in the direction of Emily. The glasses shattered and one of the shards cut into Emily's leg.

Child intentionally harms child: Two 2-year-old girls, Emily and Olivia, were at a party. Many people were there, having fun, but it was very crowded. Olivia was sitting near a table with food and drinks on it. Emily approached the food and drink table and intentionally pushed a tray of glasses off the table in the direction of Olivia. The glasses shattered and one of the shards cut into Olivia's leg.

Child accidentally harms child: Two 2-year-old girls, Emily and Olivia, were at a party. Many people were there, having fun, but it was very crowded. Olivia was sitting near a table with food and drinks on it. As Emily approached the food and drink table, she tripped and accidentally pushed a tray of glasses off the table in the direction of Olivia. The glasses shattered and one of the shards cut into Olivia's leg.

**Scenario #3:** This following is a description of a situation involving Andy and David.

Adult intentionally harms child: Andy, a four-year-old boy, was having a fun day at the beach and wanted to go swimming, so he decided to jump off of some rocks into the water. David, an adult man, knows that the water beneath these rocks is quite shallow, and that Andy would probably get injured if he jumps. David was walking by the water’s edge and saw Andy about to jump into the shallow water, but David purposefully decided not to tell Andy to stop. Andy jumped into the shallow water and broke his arm on the rocks below.

In this scenario, David’s actions were:

	Not at all 1	2	3	4	5	6	Highly 7
Appropriate	<input type="radio"/>						
Offensive	<input type="radio"/>						
Upsetting	<input type="radio"/>						
Anger- provoking	<input type="radio"/>						
Morally wrong	<input type="radio"/>						
Deserving of punishment	<input type="radio"/>						

How severe was the harm that David caused to Andy?

- Not at all severe 0
- 1
- 2
- 3
- Very severe 4

How much pain do you think that Andy felt when he broke his arm?

- None at all
- A little
- A moderate amount
- A lot
- A great deal

Rate whether you believe that David has each of the following capabilities:

	Not at all capable 1	2	3	4	5	6	Highly capable 7
David is capable of experiencing pain	<input type="radio"/>						
David is capable of experiencing pleasure	<input type="radio"/>						
David is capable of feeling sad	<input type="radio"/>						
David is capable of feeling happy	<input type="radio"/>						
David is capable of exercising self-restraint	<input type="radio"/>						
David is capable of doing things on purpose	<input type="radio"/>						
David is capable of telling right from wrong	<input type="radio"/>						
David is capable of understanding how others are feeling	<input type="radio"/>						

Adult accidentally harms child: Andy, a four-year-old boy, was having a fun day at the beach and wanted to go swimming, so he decided to jump off of some rocks into the water. David, an adult man, knows that the water beneath these rocks is quite shallow, and that Andy would probably get injured if he jumps. David was walking by the water's edge but did not notice that Andy was about to jump into the shallow water. Andy jumped into the shallow water and broke his arm on the rocks below.

Adult intentionally harms adult: Andy, an adult man, was having a fun day at the beach and wanted to go swimming, so he decided to jump off of some rocks into the water. David, another man, knows that the water beneath these rocks is quite shallow, and that Andy would probably get injured if he jumps. David was walking by the water's edge and saw Andy about to jump into the shallow water, but David purposefully decided not to tell Andy to stop. Andy jumped into the shallow water and broke his arm on the rocks below.

Adult accidentally harms adult: Andy, an adult man, was having a fun day at the beach and wanted to go swimming, so he decided to jump off of some rocks into the water. David, another man, knows that the water beneath these rocks is quite shallow, and that Andy would probably get injured if he jumps. David was walking by the water's edge but did not notice that Andy was about to jump into the shallow water. Andy jumped into the shallow water and broke his arm on the rocks below.

Child intentionally harms adult: Andy, an adult man, was having a fun day at the beach and wanted to go swimming, so he decided to jump off of some rocks into the water. David, a four-year-old boy, knows that the water beneath these rocks is quite shallow, and that Andy would probably get injured if he jumps. David was walking by the water's edge and saw Andy about to jump into the shallow water, but David purposefully decided not to tell Andy to stop. Andy jumped into the shallow water and broke his arm on the rocks below.

Child accidentally harms adult: Andy, an adult man, was having a fun day at the beach and wanted to go swimming, so he decided to jump off of some rocks into the water. David, a four-year-old boy, knows that the water beneath these rocks is quite shallow, and that Andy would probably get injured if he jumps. David was walking by the water's edge but did not notice that Andy was about to jump into the shallow water. Andy jumped into the shallow water and broke his arm on the rocks below.

Child intentionally harms child: Andy, a four-year-old boy, was having a fun day at the beach and wanted to go swimming, so he decided to jump off of some rocks into the water. David, another four-year-old boy, knows that the water beneath these rocks is quite shallow, and that Andy would probably get injured if he jumps. David was walking by the water's edge and saw Andy about to jump into the shallow water, but David purposefully decided not to tell Andy to stop. Andy jumped into the shallow water and broke his arm on the rocks below.

Child accidentally harms child: Andy, a four-year-old boy, was having a fun day at the beach and wanted to go swimming, so he decided to jump off of some rocks into the water. David, another four-year-old boy, knows that the water beneath these rocks is quite shallow, and that Andy would probably get injured if he jumps. David was walking by the water's edge but did not

notice that Andy was about to jump into the shallow water. Andy jumped into the shallow water and broke his arm on the rocks below.

**Scenario #4:** This following is a description of a situation involving Kate and Megan.

Adult intentionally harms child: Kate, an adult woman, was visiting the house of a friend who had a 3-year-old daughter, Megan. Kate heard Megan say that she was hungry, so Kate gave Megan a peanut-butter cookie to eat. Kate knows that Megan is allergic to peanut butter, but intentionally gave her the cookie anyways. Megan had a severe allergic reaction from eating the cookie, but eventually recovered.

In this scenario, Kate’s actions were:

	Not at all 1	2	3	4	5	6	Highly 7
Appropriate	<input type="radio"/>						
Offensive	<input type="radio"/>						
Upsetting	<input type="radio"/>						
Anger- provoking	<input type="radio"/>						
Morally wrong	<input type="radio"/>						
Deserving of punishment	<input type="radio"/>						

How severe was the harm that Kate caused to Megan?

- Not at all severe 0
- 1
- 2
- 3
- Very severe 4

How much pain do you think that Megan felt during her allergic reaction?

- None at all
- A little
- A moderate amount
- A lot
- A great deal

Rate whether you believe that Kate has each of the following capabilities:

	Not at all capable 1	2	3	4	5	6	Highly capable 7
Kate is capable of experiencing pain	<input type="radio"/>						
Kate is capable of experiencing pleasure	<input type="radio"/>						
Kate is capable of feeling sad	<input type="radio"/>						
Kate is capable of feeling happy	<input type="radio"/>						
Kate is capable of exercising self-restraint	<input type="radio"/>						
Kate is capable of doing things on purpose	<input type="radio"/>						
Kate is capable of telling right from wrong	<input type="radio"/>						
Kate is capable of understanding how others are feeling	<input type="radio"/>						

Adult accidentally harms child: Kate, an adult woman, was visiting the house of a friend who had a 3-year-old daughter, Megan. Kate heard Megan say that she was hungry, so Kate gave Megan a peanut-butter cookie to eat. Kate did not know that Megan is allergic to peanut butter, but accidentally gave her the cookie anyways. Megan had a severe allergic reaction from eating the cookie, but eventually recovered.

Adult intentionally harms adult: Kate, an adult woman, was visiting the house of a friend who had an adult daughter, Megan. Kate heard Megan say that she was hungry, so Kate gave Megan a peanut-butter cookie to eat. Kate knows that Megan is allergic to peanut butter, but intentionally gave her the cookie anyways. Megan had a severe allergic reaction from eating the cookie, but eventually recovered.

Adult accidentally harms adult: Kate, an adult woman, was visiting the house of a friend who had an adult daughter, Megan. Kate heard Megan say that she was hungry, so Kate gave Megan a peanut-butter cookie to eat. Kate did not know that Megan is allergic to peanut butter, but accidentally gave her the cookie anyways. Megan had a severe allergic reaction from eating the cookie, but eventually recovered.

Child intentionally harms adult: Kate, an adult woman, was visiting the house of a friend who had a 3-year-old daughter, Megan. Megan heard Kate say that she was hungry, so Megan gave Kate a peanut-butter cookie to eat. Megan knows that Kate is allergic to peanut butter, but intentionally gave her the cookie anyways. Kate had a severe allergic reaction from eating the cookie, but eventually recovered.

Child accidentally harms adult: Kate, an adult woman, was visiting the house of a friend who had a 3-year-old daughter, Megan. Megan heard Kate say that she was hungry, so Megan gave Kate a peanut-butter cookie to eat. Megan did not know that Kate is allergic to peanut butter, but accidentally gave her the cookie anyways. Kate had a severe allergic reaction from eating the cookie, but eventually recovered.

Child intentionally harms child: Kate, a 3-year-old girl, was visiting the house of a friend who had a 3-year-old daughter, Megan. Kate heard Megan say that she was hungry, so Kate gave Megan a peanut-butter cookie to eat. Kate knows that Megan is allergic to peanut butter, but intentionally gave her the cookie anyways. Megan had a severe allergic reaction from eating the cookie, but eventually recovered.

Child accidentally harms child: Kate, a 3-year-old girl, was visiting the house of a friend who had a 3-year-old daughter, Megan. Kate heard Megan say that she was hungry, so Kate gave Megan a peanut-butter cookie to eat. Kate did not know that Megan is allergic to peanut butter, but accidentally gave her the cookie anyways. Megan had a severe allergic reaction from eating the cookie, but eventually recovered.

**STUDY 4**

*Participants completed the same PCAT and demographic measures from Study 1.*

**IRI**

The following statements ask about your thoughts and feelings in a variety of situations. For each item, show how well it describes you by choosing the appropriate number on the scale. **READ EACH ITEM CAREFULLY BEFORE RESPONDING.** Answer as honestly and as accurately as you can. Thank you.

	Does not describe me				Describes me very well
I often have tender, concerned feelings for people less fortunate than me.	<input type="radio"/>				
Sometimes I don't feel very sorry for other people when they are having problems.	<input type="radio"/>				
When I see someone being taken advantage of, I feel kind of protective towards them.	<input type="radio"/>				
Other people's misfortunes do not usually disturb me a great deal.	<input type="radio"/>				
When I see someone being treated unfairly, I sometimes don't feel very much pity for them.	<input type="radio"/>				
I am often quite touched by things I see happen.	<input type="radio"/>				
I would describe myself as a pretty soft-hearted person.	<input type="radio"/>				
Please select does not describe me for this question	<input type="radio"/>				



Indicate how you think that you would react to this situation:

	Strongly Disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
I would forgive Mike	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would try to keep as far away from Mike as possible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Despite what Mike did, I would have goodwill for Mike	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would find it difficult to act warmly toward Mike	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How harmful (i.e., involving physical and/or emotional suffering) was Mike’s action?

- Not at all Harmful 1
- 2
- 3
- 4
- 5
- 6
- Very Harmful7

How unusual (i.e., weird, strange, atypical) was Mike’s act?

- Not at all unusual 1
- 2
- 3
- 4
- 5
- 6
- Very unusual7





Indicate how you think that you would react to this situation:

	Strongly Disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
I would forgive Alex	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would try to keep as far away from Alex as possible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Despite what Alex did, I would have goodwill for Mike	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would find it difficult to act warmly toward Alex	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How harmful (i.e., involving physical and/or emotional suffering) was Alex’s action?

- Not at all Harmful
- 2
- 3
- 4
- 5
- 6
- Very harmful7

How unusual (i.e., weird, strange, atypical) was Alex’s act?

- Not at all unusual 1
- 2
- 3
- 4
- 5
- 6
- Very unusual7







Accidentally touching a person's bloody cut	○	○	○	○	○	○	○
---	---	---	---	---	---	---	---

## **STUDY 5**

*Participants completed the same IRI, PCAT, and demographic measures from Study 4.*

### **Moral Judgment Task**

You will next read about several situations that might happen to people. As you read about each situation, imagine that this is actually happening, and then report your personal reactions to this situation in the questions that follow.

#### **Scenario #1**

Child minor harm: Alice, a 1-year old baby, accidentally knocked a glass off of the kitchen counter. The glass shattered, leaving sharp shards on the floor. A neighbor, Jane, stepped on a shard of glass and cut her foot. The cut on Jane's foot wasn't very deep, but it bled a lot; she had to wear a bandage on it for two days.

Child severe harm: Alice, a 1-year old baby, accidentally knocked a glass off of the kitchen counter. The glass shattered, leaving sharp shards on the floor. A neighbor, Jane, stepped on a shard of glass and cut her foot. The cut on Jane's foot was very deep, and it severed a tendon; she walked with a limp for the rest of her life.

Adult minor harm: Alice, a 25-year old woman, accidentally knocked a glass off of the kitchen counter. The glass shattered, leaving sharp shards on the floor. A neighbor, Jane, stepped on a shard of glass and cut her foot. The cut on Jane's foot wasn't very deep, but it bled a lot; she had to wear a bandage on it for two days.

Adult severe harm: Alice, a 25-year old woman, accidentally knocked a glass off of the kitchen counter. The glass shattered, leaving sharp shards on the floor. A neighbor, Jane, stepped on a shard of glass and cut her foot. The cut on Jane's foot was very deep, and it severed a tendon; she walked with a limp for the rest of her life.

In this scenario, Alice’s actions were:

	Not at all 1	2	3	4	5	6	Highly 7
Morally wrong	<input type="radio"/>						
Inappropriate	<input type="radio"/>						
Offensive	<input type="radio"/>						
Deserving of punishment	<input type="radio"/>						

Indicate how you think that Jane should react to this situation:

	Strongly Disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
Jane should forgive Alice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Jane should try to keep as far away from Alice as possible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How harmful (i.e., involving physical and/or emotional suffering) was Alice’s action?

- Not at all Harmful 1
- 2
- 3
- 4
- 5
- 6
- Very harmful 7

How severe were the long-term consequences of Alice's action?

- Not at all severe 1
- 2
- 3
- 4
- 5
- 6
- Very severe 7

Rate whether you believe that Alice has each of the following capabilities:

	Not at all capable 1	2	3	4	5	6	Highly capable 7
Alice is capable of experiencing pain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alice is capable of experiencing pleasure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alice is capable of feeling sad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alice is capable of feeling happy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alice is capable of exercising self-restraint	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alice is capable of doing things on purpose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alice is capable of making plans and working towards a goal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alice is capable of intelligent thought	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Scenario #2**

Child minor harm: Tom, a 3-year old child, was running through the house when he accidentally ran into Andrew from behind. Andrew fell awkwardly and hit his head on the hard tile floor. The blow to Andrew’s head gave him a bruise, which hurt for the rest of the day.

Child severe harm: Tom, a 3-year old child, was running through the house when he accidentally ran into Andrew from behind. Andrew fell awkwardly and hit his head on the hard







Indicate how you think that Rachel should react to this situation:

	Strongly Disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
Rachel should forgive Sarah	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rachel should try to keep as far away from Sarah as possible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How harmful (i.e., involving physical and/or emotional suffering) was Sarah's action?

- Not at all Harmful 1
- 2
- 3
- 4
- 5
- 6
- Very harmful 7

How severe were the long-term consequences of Sarah's action?

- Not at all severe 1
- 2
- 3
- 4
- 5
- 6
- Very severe 7

Rate whether you believe that Sarah has each of the following capabilities:

	Not at all capable 1	2	3	4	5	6	Highly capable 7
Sarah is capable of experiencing pain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sarah is capable of experiencing pleasure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sarah is capable of feeling sad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sarah is capable of feeling happy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sarah is capable of exercising self-restraint	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sarah is capable of doing things on purpose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sarah is capable of making plans and working towards a goal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sarah is capable of intelligent thought	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

#### **Scenario #4**

Child minor harm: Dan, a 2-year old baby, heard John say that he was hungry; so Dan gave John a cookie to eat. Dan did not know that the cookie contained traces of nuts in it, which John was allergic to. John had a minor allergic reaction to the cookie, which made his throat temporarily itchy.

Child severe harm: Dan, a 2-year old baby, heard John say that he was hungry; so Dan gave John a cookie to eat. Dan did not know that the cookie contained traces of nuts in it, which John was allergic to. John had a severe allergic reaction to the cookie, and he almost died.

Adult minor harm: Dan, a 24-year old man, heard John say that he was hungry; so Dan gave John a cookie to eat. Dan did not know that the cookie contained traces of nuts in it, which John



