



Descriptive Functional Assessment on Toxic Behaviors in Gaming Environment

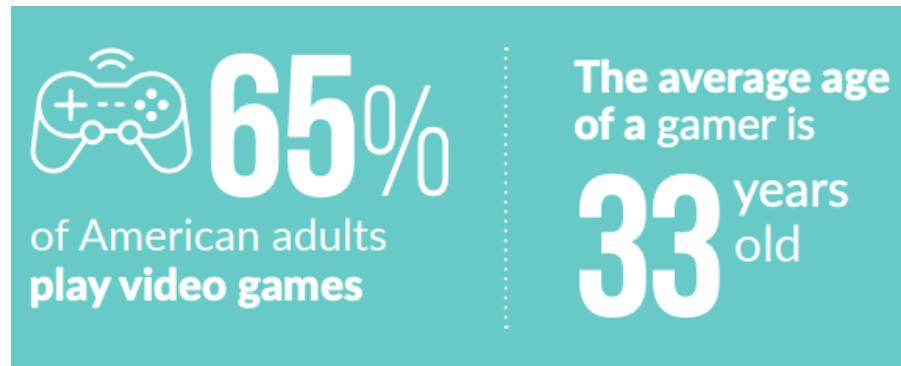
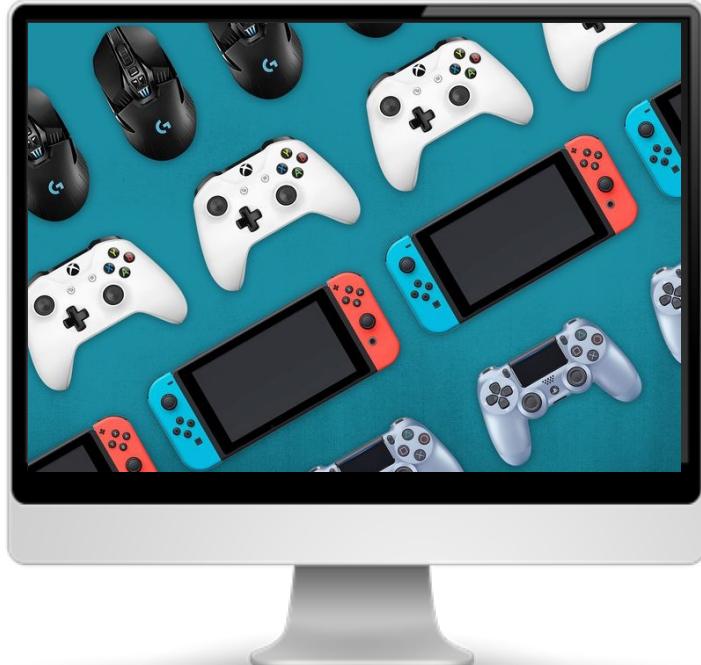
Yiyi Wang, Michael Cameron

Something about Myself



- ◆ Yiyi Wang
- ◆ Master ABA student at
University of Southern California

Video Game



League of Legends (LoL)



diversity
balance people community
unique make riot love
toxic character variety
games honor don't
champ champion
friends play rank
art fun skin nice
time i'm lore
game system cool
gameplay good
skill free nothing enjoy
team competitive strategy
season anymore things pretty
music mode player moba great design



115 Million Players

Cyberbullying



Self-harm

Depression

Social anxiety

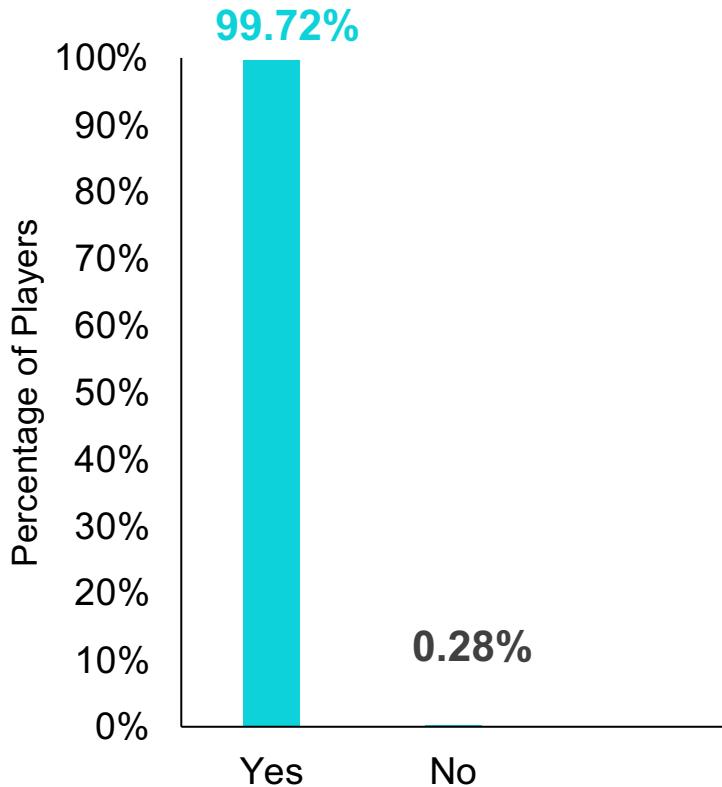
Alcohol and drugs

Toxicity in LoL

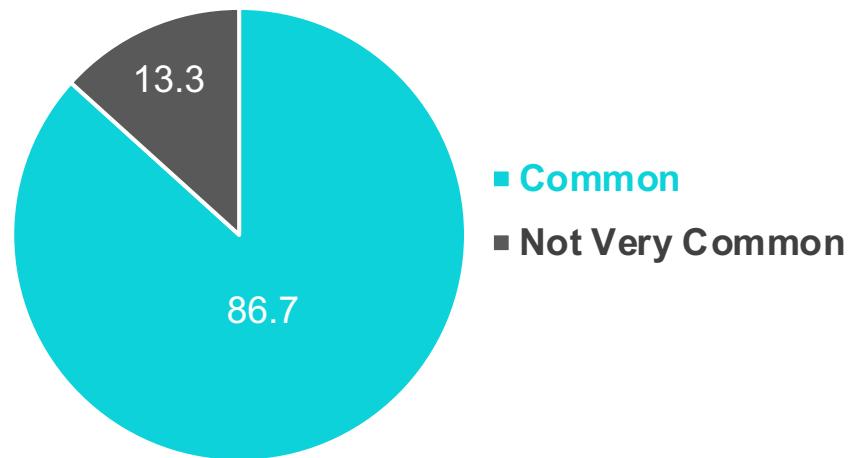
Have you experienced toxicity in game before?



Toxicity in Game

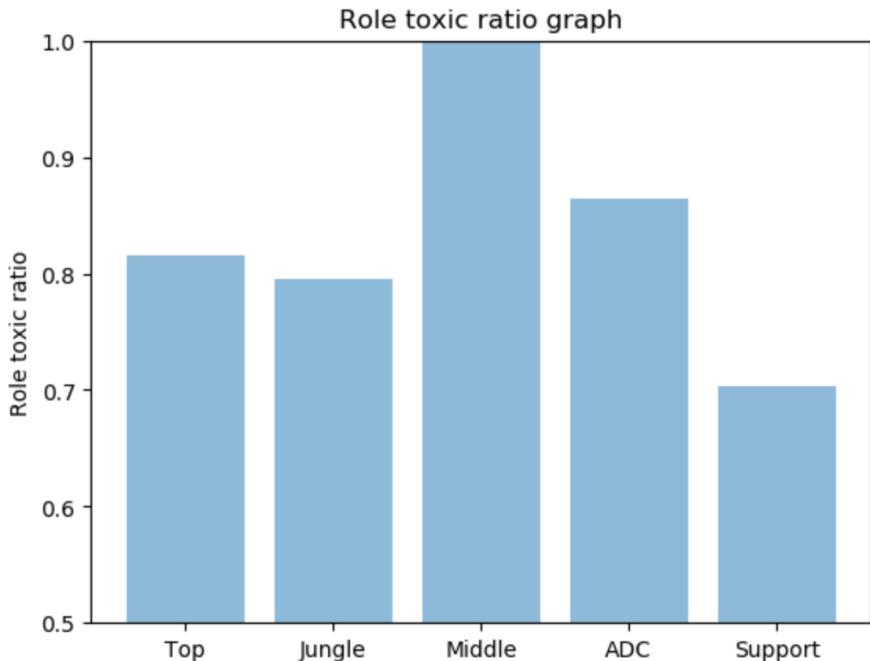
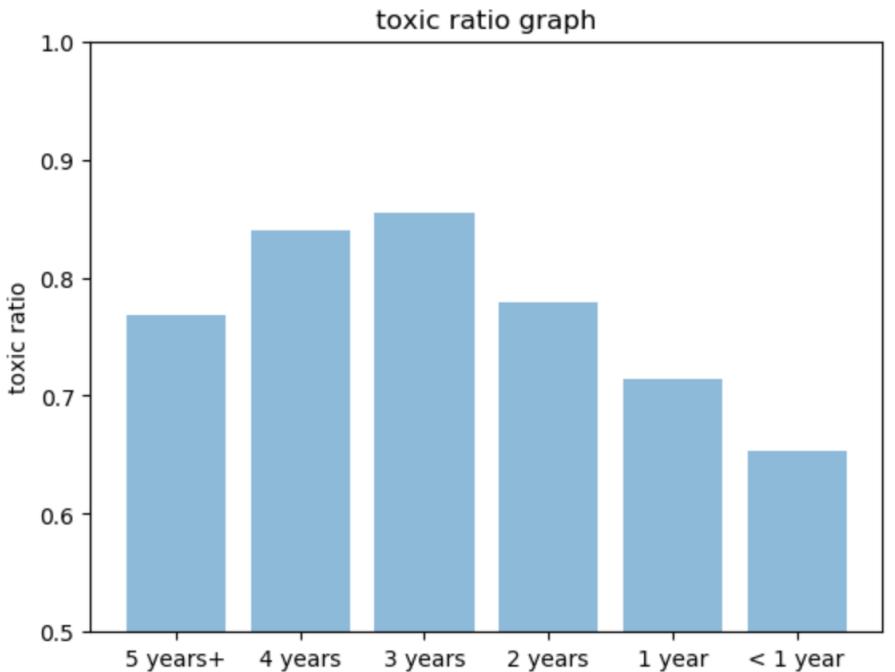


- ◆ 859 participants
- ◆ 99.72% witnessed toxicity
- ◆ 86.7% found it common to see toxicity



- Common
- Not Very Common

Toxicity in Game

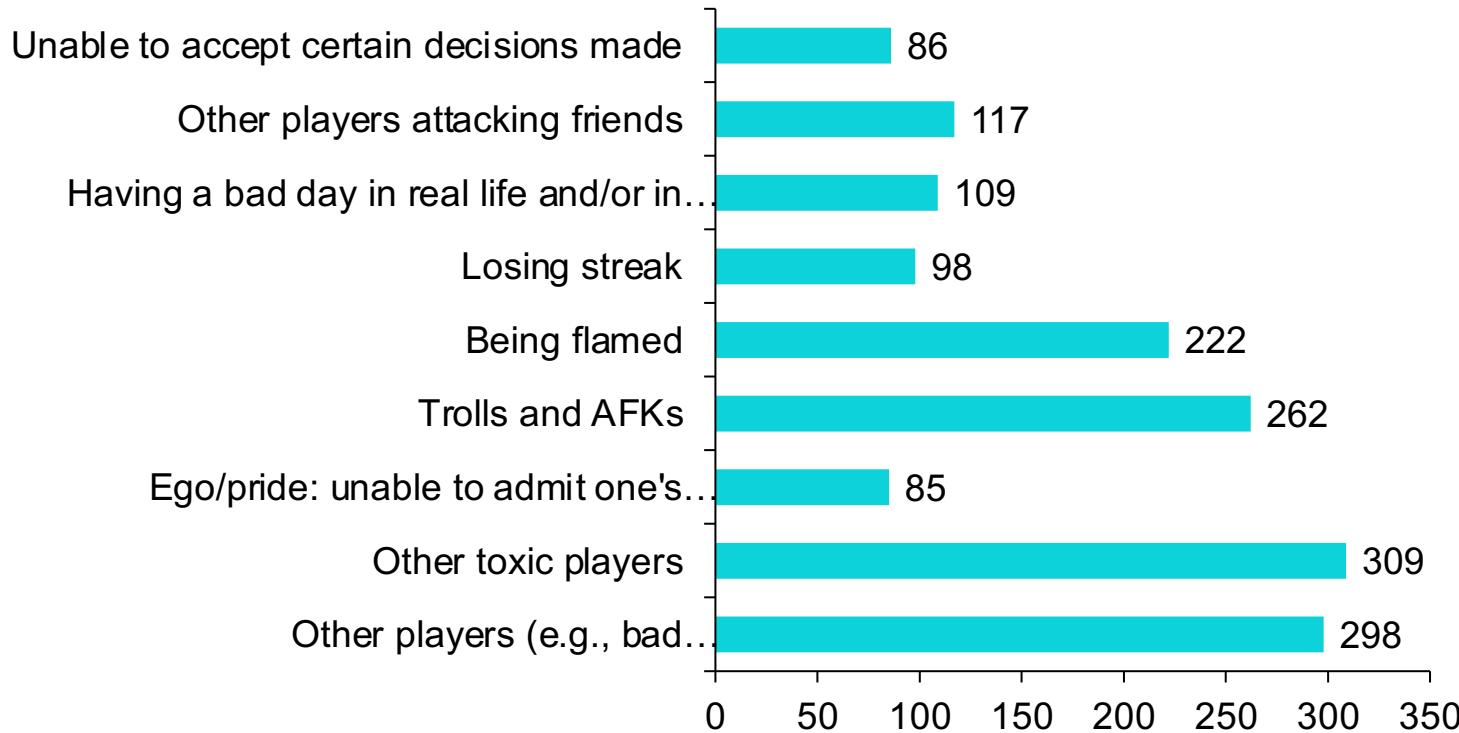


Antecedents

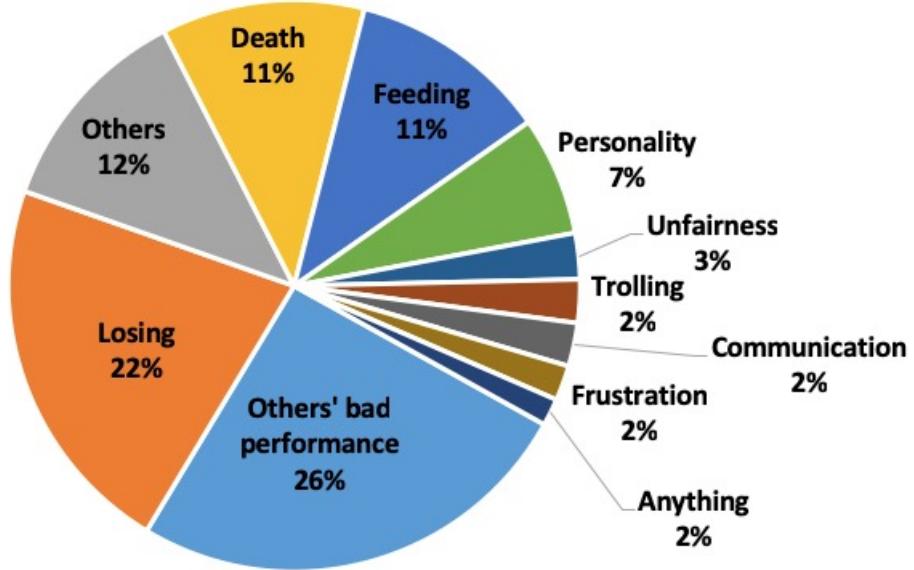
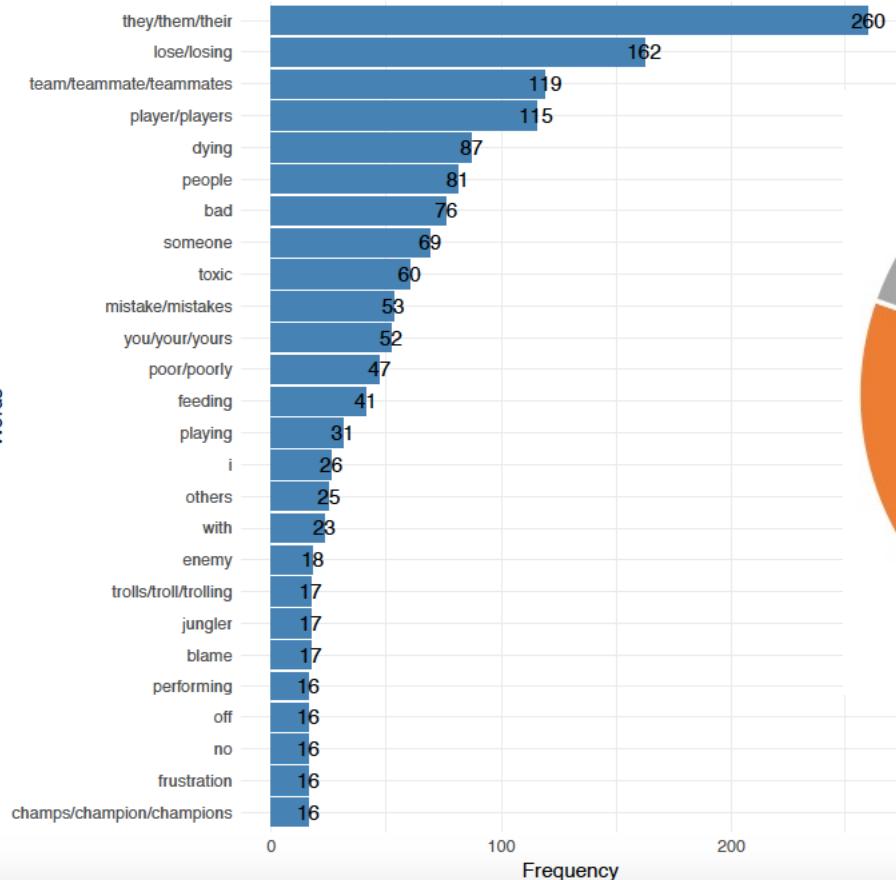
Most common situations that spur players to become toxic



Antecedents for Toxic Behavior



Antecedents for Toxic Behavior



Outcomes

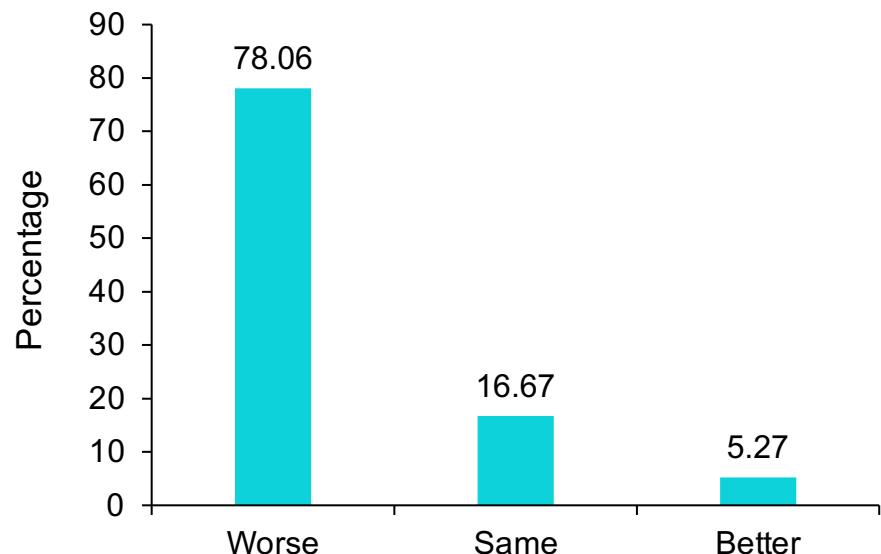
What are your game results and your actions following toxicity?



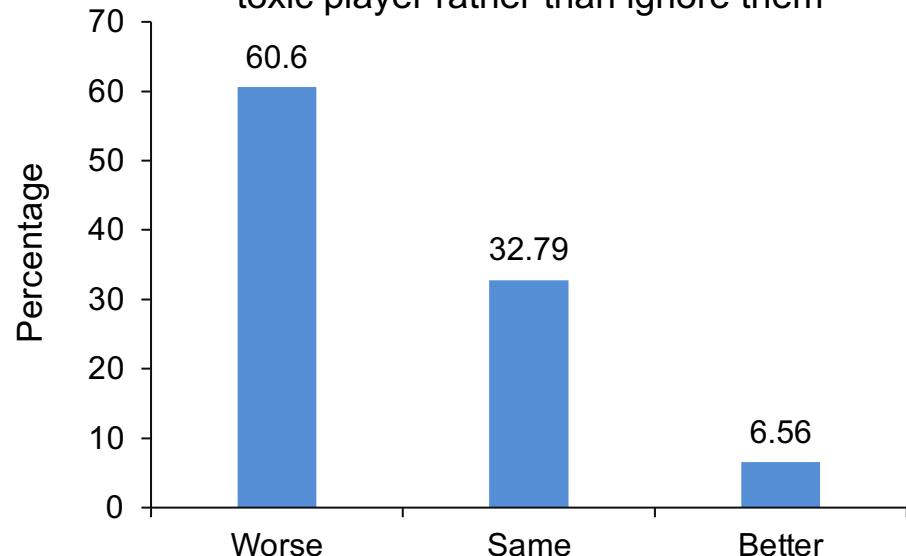
Outcomes



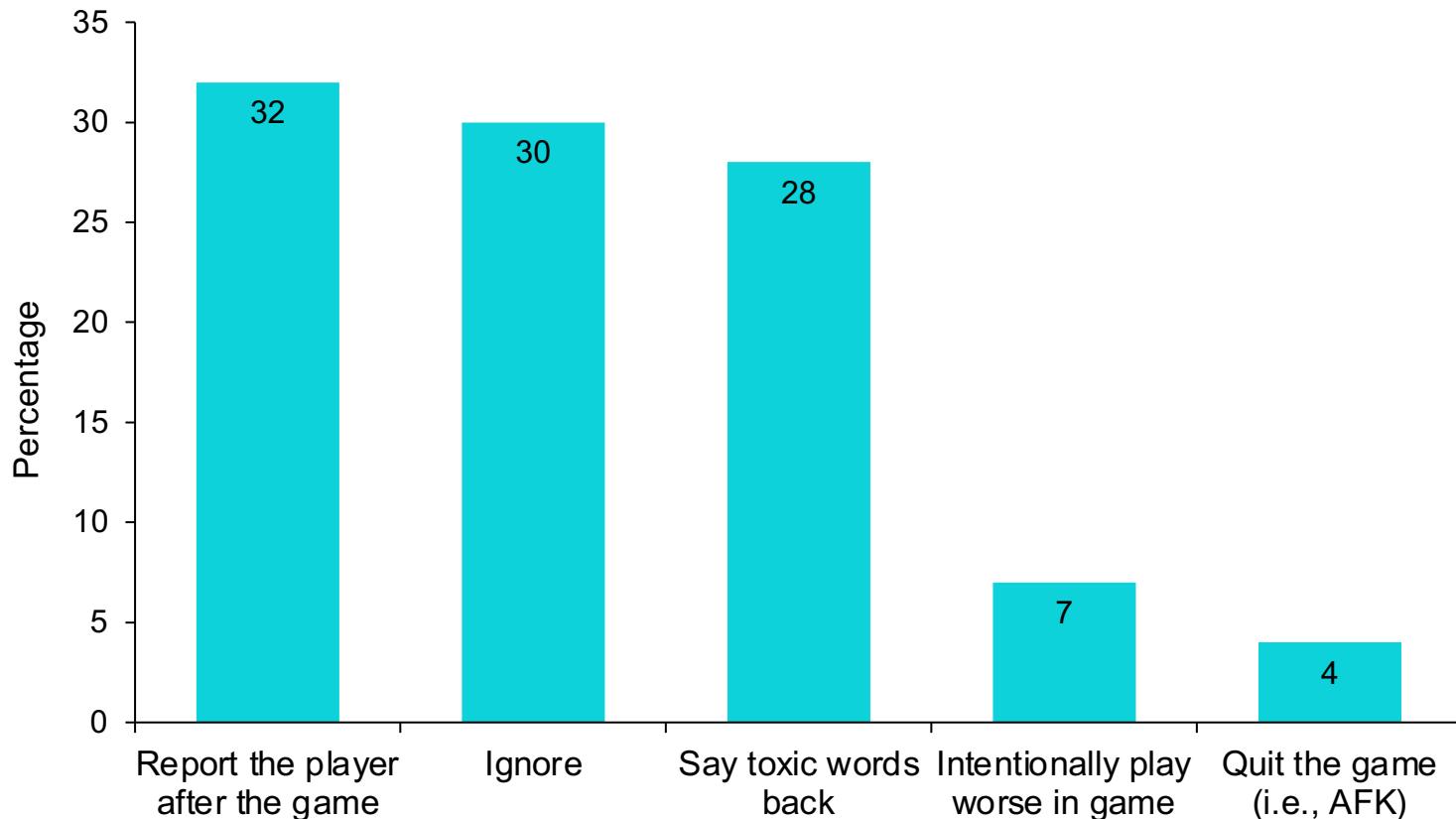
Do you think your game outcomes are better, worse or the same when someone else is being toxic?



Do you think your game outcomes are better, worse or the same if you engage the toxic player rather than ignore them



Outcomes



Outcomes



Frustration

Intense

Muscle tension

Body shaking

Stressed

Increased heart rate

Post-Game Options

What are the options?



Post-Game Report

REPORT
A
PLAYER



Negative/passive-aggressive chat



Cheating



Offensive/inappropriate summoner name



Verbal Abuse



Intentional feeding



Leaving the game/AFK



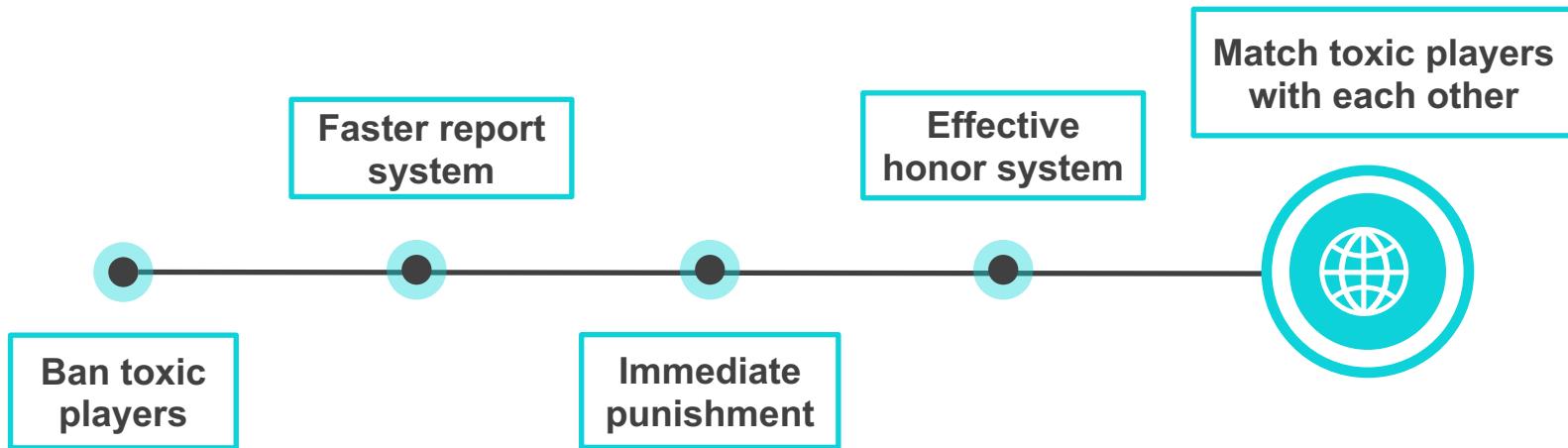
Hate speech

Recommendations

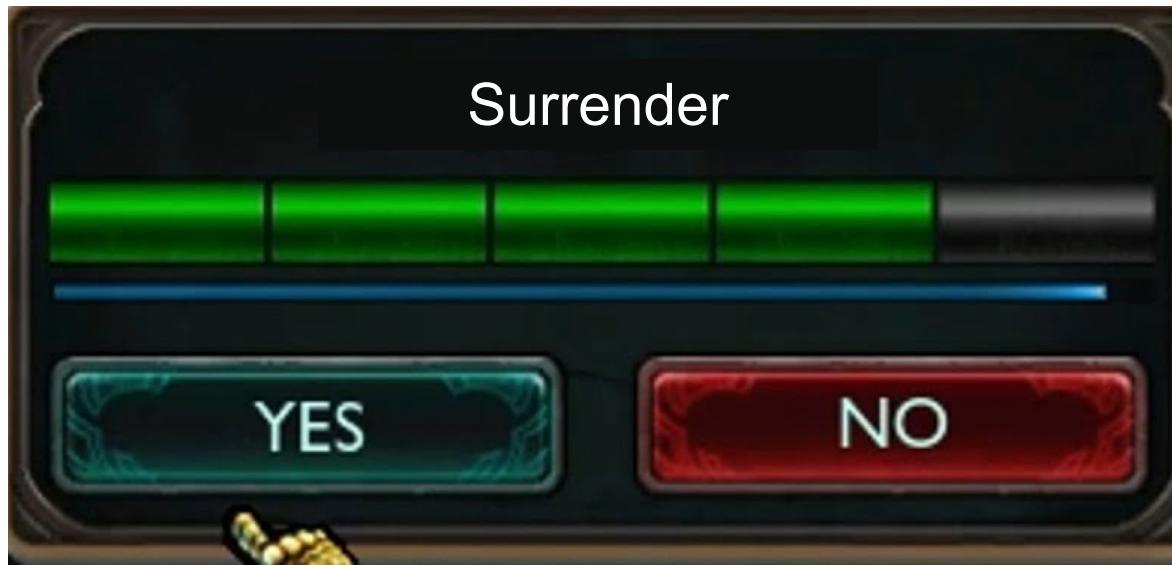
What can LoL do to protect players from toxicity?



Players' Thoughts



Other Recommendations



Other Recommendations



Mindfulness & ACT

How to use ACT to reduce toxicity in game?



Mindfulness & Toxicity



Links to Mindfulness Resources

◆ Present Moment

- ◆ Body Scan –Stoddard & Afari, 2014
- ◆ Five Senses –Stoddard & Afari, 2014

◆ Acceptance & Defusion

- ◆ Ball in a Pool –Jepsen, 2012
- ◆ Talking and Listening—Harris, 2009, p. 177
- ◆ Passengers on the Bus—Hayes et al., 1999

◆ Self as Context & Values

- ◆ Mind-Reading Machine—Harris, 2009, p. 201
- ◆ Values Bull's Eyes—Lundgren et al., 2012
- ◆ What Do You Want Your Life to Stand for? –Hayes et al., 1999





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Thank you