

The Long-Term Impact of the *Tips From Former Smokers*[®] Campaign on Calls to 1-800-QUIT-NOW, 2012–2023

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Background

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The Long-Term Impact of the *Tips From Former Smokers*® Campaign on Calls to 1-800-QUIT-NOW, 2012–2023

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Abstract

Introduction: There is substantial evidence that mass media campaigns increase calls to qualities as well as smoking coession. In 2012, the Centres for Disease Control and Prevention Burchede the first federally funded national tobacce docutation campaign. *Tips From Formar* Smokenellin, Tips From 2012 through 2023, Tips and advertisements on takewaters. To date, no studies have examined the long-same reflect of NoV from 2012 through 2012.

Methods: Exposure to the Tops campaign was measured using weekly gross rating points (DRPs) for television ads in each U.S. designed in the second se

Results: Tips GRPs were positively and significantly associated with calls to 1-800-QUIFNOW across all years (b = 39.94, p < .001). Based on this association, we estimate the Tips campaign generated nearly 2.1 million additional calls to 1-800-QUIFNOW during 2012–2023.

Conclusions: Exposure to the Tips campaign has consistently and significantly increased calls to tobacco quitlines.

Implications: Cuttines provide evidence-based augort to help people quit smoking. They have been shown to increase the likelihood d succossibilly quitting. Wais media comparing have provided quittees, and quittines calls have increase and significantly with media permotion. The long sum effect of comparing the second of the comparing the second significant with media permotion. The second second

Introduction

All 50 states, the District of Columbia, Guam, and Puerto Rico use telephone quitlines to provide support to people who want to quit using commercial tobacco products.1-8 Tobacco quitlines provide free evidence-based resources such as counseling, referrals to local programs, information, and self-help materials. Many quitlines also offer free medications such as nicotine replacement therapy as well as web- and text-based support.1-9 Substantial evidence has shown that telephone quitlines are effective at helping people who smoke make quit attempts and successfully quit. 1,3-5,7,10-13 Quitlines are used by a variety of populations and are particularly helpful for people who may face financial or logistical barriers to accessing other evidence-based cessation services (eg, health insurance and transportation are not needed to use quitline services).1-8,11,14-22 Quitlines play an important role in addressing disparities in tobacco use cessation by reaching-and providing services to-populations disproportionately affected by tobacco

Telephone quitlines are a ker part of comprehensive efforts to increas sumbing cesation and are a recommended component of state tobacco control programs.^{45,49} The Centers for Disease Control and Prevention (CDC) provides dedicated funding for state quitlines.⁵¹ Many states also provide additional funding to support their quitline.⁵¹ Since 2004, people in the United States have been able to access their state quitline through the National Network of Tobacco Cesation Quitlines national portal, 1-8004.QUIT.NOW, which is (NGL).⁵⁴⁰ Purping in first 15 year, foron 2004 through 2019, 1-800-QUIT-NOW received more than 10 million calls.¹⁵ A number of studies in the United States and elsewhere

A number of studies in the United States and elsewhere have demonstrated that mass media campaigns are effective at promoting calls to quittines. $GULLBARGA = M_{2}$ (D2, CDC launched the first federally funded anional tobacco education campaign—Tips From Former Smokers® (is, Tips) to raise awareness of the negative health effects caused by smoking cigarettes, motivate people who smoke to quit, and encourage those who do not smoke to protect themselves and This presentation provides a summary of the following peer-reviewed publication:

- Paper Title: "The Long-Term Impact of the *Tips From Former Smokers*® Campaign on Calls to 1-800-QUIT-NOW, 2012-2023"
- Authors: Nathan Mann¹, Rebecca Murphy-Hoeffer², Kevin Davis¹, Annette Von Jaglinsky¹, Bob Rodes², Diane Beistle²
- Journal: Nicotine and Tobacco Research
- Publication Date: July 2024

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² Centers for Disease Control and Prevention

Tobacco Quitlines

- All 50 states, the District of Columbia, Guam, and Puerto Rico use telephone quitlines to provide support to people who want to quit using commercial tobacco products.
- Provide free evidence-based resources such as counseling, referrals to local programs, information, and self-help materials.



- Many also offer free medications,
 e.g., nicotine replacement therapy as well as web- and text-based support.
- Shown to be effective at helping people who smoke make quit attempts and successfully quit.
- Used by multiple populations, including population groups disproportionately affected by tobacco use.

Tobacco Quitlines

- Telephone quitlines are a key part of efforts to increase smoking cessation and are a recommended component of state tobacco control programs.
- The Centers for Disease Control and Prevention (CDC) provides dedicated funding for state quitlines.
- People in the United States can access their state quitline through the national quitline portal, 1-800-QUIT-NOW, which is operated and administered by the National Cancer Institute.
- During its first 15 years, from 2004 through 2019, 1-800-QUIT-NOW received more than 10 million calls.
- Studies have demonstrated that mass media campaigns are effective at promoting calls to quitlines.



Tips From Former Smokers®

- In 2012, CDC launched the first federally funded national tobacco education campaign *Tips* From Former Smokers[®] (*Tips*[®]).
- The *Tips*[®] campaign tells the personal stories of real people from different backgrounds who are living with serious long-term health consequences from smoking and secondhand smoke exposure.
- The campaign has run multiple weeks every year, typically during spring and summer.



- The largest portion of the *Tips*[®] media budget goes toward TV ads.
- *Tips*[®] TV ads are typically tagged with a call to action directing people to 1-800-QUIT-NOW, which appears at the end of the ads.

Purpose of Paper

- Previous research showed the initial *Tips®* campaign in 2012 generated over 150,000 additional calls to 1-800-QUIT-NOW nationwide and significantly increased calls to 1-800-QUIT-NOW in almost every state.
- There had not been an assessment of the long-term effect of the *Tips®* campaign on calls to 1-800-QUIT-NOW over multiple years of the campaign.
- This study estimated the effect of the *Tips*[®] campaign on calls to 1-800-QUIT-NOW from 2012 through 2023.
- This was the first study to examine the impact of a long-term national anti-smoking media campaign occurring over more than a decade on calls to telephone quitlines.

Data & Methods

Data

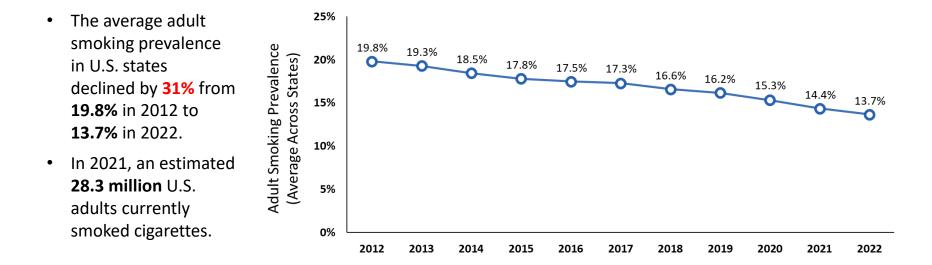
- Quitline Calls: All incoming calls to 1-800-QUIT-NOW from January 2, 2012 through December 31, 2023
 - Obtained from the National Cancer Institute (NCI)
 - Comprised of records for each individual call received, not unique caller
- Exposure to *Tips®* TV Ads: Weekly Gross Rating Points (GRPs) for *Tips®* TV ads, by media market, for each of 210 Nielsen Designated Market Areas (DMAs).
- Setting Up Data for Analysis
 - Quitline calls were matched with Nielsen DMAs based on the area code of the calls.
 - Weekly calls to 1-800-QUIT-NOW for each media market were matched with weekly GRPs for *Tips*[®] TV ads in the same media market.
 - The final data used for this analysis included 8,617,439 total calls to 1-800-QUIT-NOW (100%) received from 2012 through 2023 in all 210 Nielsen DMAs.

Methods

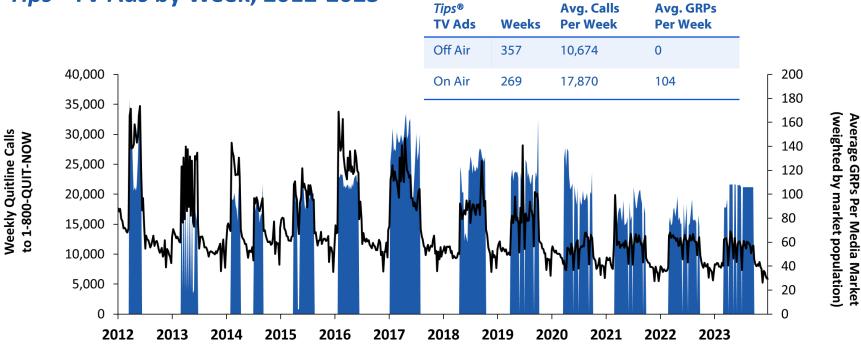
- To provide an initial visual representation of the relationship between *Tips®* and calls to 1-800-QUIT-NOW, a chart was created to present total calls to 1-800-QUIT-NOW and average GRPs for *Tips®* TV ads by week.
- A multivariable linear regression model was used to estimate weekly DMA-level calls to 1-800-QUIT-NOW as a function of weekly DMA-level GRPs for *Tips*[®] TV ads.
- The model controlled for several potential confounders including:
 - Number of homes with a TV in the DMA
 - Adult smoking prevalence for each DMA
 - A linear weekly time trend variable
 - Primary state indicator variable
- To estimate the number of calls to 1-800-QUIT-NOW that were associated with the *Tips*[®] campaign, the results from the multivariable regression model were used to estimate the number of calls 1-800-QUIT-NOW would have received if the *Tips*[®] campaign had not occurred.

Results

Average Adult Smoking Prevalence across U.S. States, 2012-2022 CDC Behavioral Risk Factor Surveillance System (BRFSS)



Total National Calls to 1-800-QUIT-NOW and Gross Rating Points (GRPs) for *Tips*[®] TV Ads by Week, 2012-2023

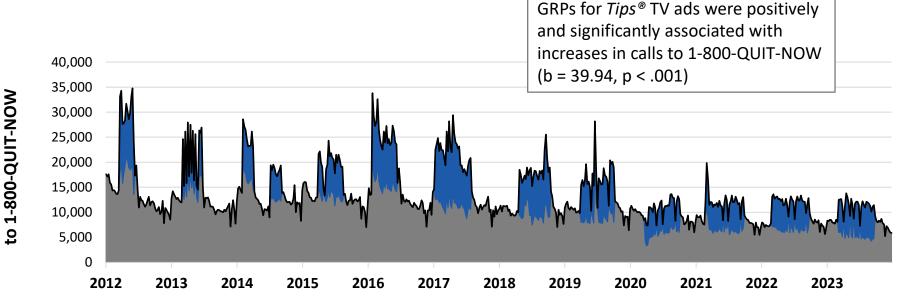


Average GRPs Per Media Market (weighted by market population)

—Number of Quitline Calls to 1-800-QUIT-NOW

Impact of CDC *Tips®* Campaign on Calls to 1-800-QUIT-NOW: 2012-2023

Weekly Quitline Calls

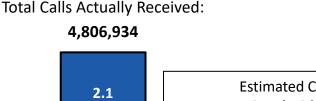


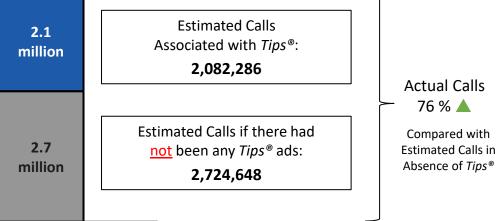
Estimated Number of Quitline Calls to 1-800-QUIT-NOW Associated with Tips[®] TV Ads Estimated Number of Quitline Calls to 1-800-QUIT-NOW in Absence of Tips[®] TV Ads — Number of Quitline Calls to 1-800-QUIT-NOW

Calls to 1-800-QUIT-NOW Associated with the *Tips®* Campaign: 2012 - 2023

- During the 269 weeks • when Tips® TV ads were on air in 2012-2023, there were nearly 2.1 million additional calls to 1-800-QUIT-NOW compared to the estimated number of calls that would have been received during those weeks if the Tips® campaign had not occurred.
- This is a 76% increase in call volume during the on-air campaign weeks.

Calls to 1-800-QUIT-NOW During *Tips®* Campaign Weeks: 2012 - 2023





Tips[®] Campaign On Air (269 Weeks)

Discussion

Discussion

- Over the first 12 years of the *Tips*[®] campaign, from 2012 through 2023, *Tips*[®] TV ads were associated with nearly 2.1 million additional calls to 1-800-QUIT-NOW.
- Actual calls received by 1-800-QUITNOW during the 269 weeks when *Tips®* TV ads were on air were 76% higher than the estimated number of calls that would have been received during those weeks if the *Tips®* campaign had not occurred.
- The *Tips*[®] campaign was associated with statistically significant increases in calls to 1-800-QUIT-NOW during each of the first 12 years of the campaign, including during the onset of the COVID-19 pandemic and related emergency declarations in 2020.
- Results suggest the *Tips®* campaign's effects on calls to 1-800-QUIT-NOW rebounded to pre-pandemic magnitudes in the years following 2020, demonstrating the continued robust impact of *Tips®* and mass media campaigns promoting evidence-based quitlines.

Thank you!

Questions?

For more information contact Rebecca Murphy-Hoefer at zfg1@cdc.gov

For more information, contact CDC 1-800-CDC-INFO (232-4636) TTY: 1-888-232-6348 cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the U.S. Centers for Disease Control and Prevention.

