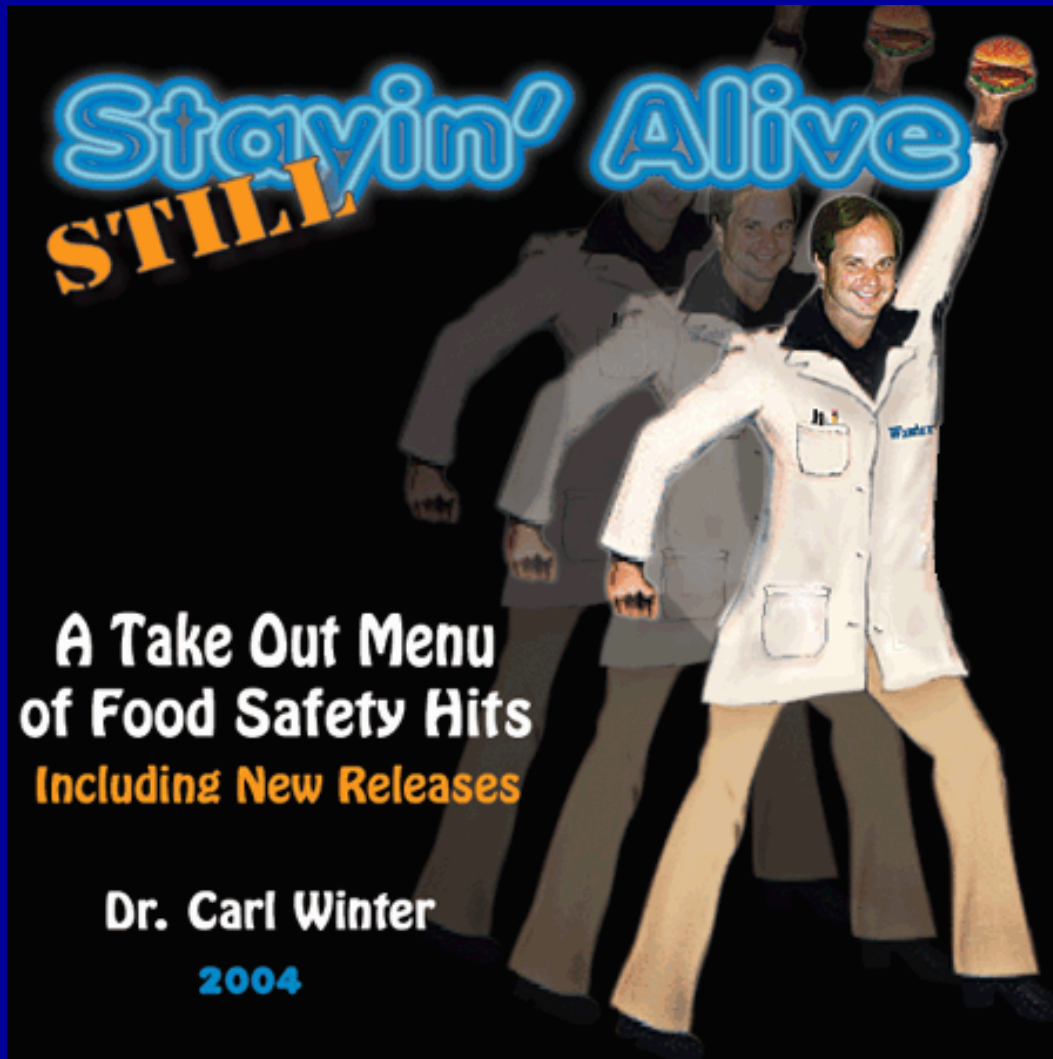


USING MUSIC PARODIES IN FOOD SAFETY EDUCATION

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TAKE OUT MENU

Entrées

1. Stomachache Tonight
(Eagles, Heartache Tonight)
2. Veggie Believer
(Monkees, I'm A Believer)
3. You Better Wash Your Hands
(Beatles, I Wanna Hold Your Hand)
4. Stayin' Alive
(BeeGees, Stayin' Alive)
5. We Are The Microbes
(Queen, We Are The Champions)
6. Still Seems Like Food To Me
(Billy Joel, Still Rock and Roll To Me)
7. Don't Get Sick With It
(Will Smith, Gettin' Jiggy With It)
8. A Case Of Norwalk
(The Drifters, Under The Boardwalk)
9. U.S.D.A.
(Village People, Y.M.C.A.)
10. Mantenga Bien La Comida
(Ritchie Valens, La Bamba)
11. Fifty Ways to Eat Your Oysters
(Paul Simon, Fifty Ways to Leave Your Lover)
12. Clonin' DNA
(Beach Boys, Surfin' USA)
13. I Sprayed It On The Grapevine
(Morris Days, I Heard It Through The Grapevine)
14. Eat It
(Michael Jackson, Beat It)
15. Don't Be A Gambler
(Kenny Rogers, The Gambler)
16. I Will Survive
(Gloria Gaynor, I Will Survive)
17. Rat Number 49
(Clavens, Love Potion Number Nine)
18. Beware La Vaca Loca
(Ricky Martin, Livin' La Vida Loca)
19. Frank N. Foode
(Chuck Berry, Johnny B. Goode)
20. Food Irradiation
(Linda Eya, Do The Lozomotion)
21. Political Hay
(Carl Winter, original)

Acknowledgement

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University of Idaho

- Audience - high school students
- Compared responses of students receiving standard curricula with those receiving curricula enriched with music
- Results analyzed by student gender, class size, and teacher experience

Results

Safe food handling attitude scores of Control and Music-added group students were not different.

Unsafe food handling attitude scores of Control and Music-added group students¹ (highest possible score = 8)

Treatment	All Students (n=287)	Males (n =118)	Females (n =169)
Control	4.6 a	4.5 a	4.7 a
Music-added	4.9 a	5.1 b	4.9 a

¹Scores within a column followed by different letters are significantly different P <0.05.

Results

Unsafe food handling attitude scores of Control and Music-added group students from classrooms grouped by teacher experience ¹ (highest possible score = 8)

	Teacher experience	
Treatment	More	Less
Control	4.4 a	5.0 a
Music-added	5.0 b	4.8 a

¹Scores within a column followed by different letters are significantly different P < 0.05.

Results - Opinions

Did you like the songs?

Individual Students

Yes	47%
No	28%
No opinion	26%

By classroom

Mostly liked	5
Mostly did not like	2
Split	2

University of Delaware

- Audience - youth 8-12 in summer program (N=541)
- Music incorporated into all food safety educational material that also included cartoons, other activities, and preparing food items
- Students completed pre- and post-tests to determine improvement

DELAWARE RESULTS

Cartoon Topic	Pretest (%)	Post test (%)	Improvement (%)
Putting milk in refrigerator	84	97	13
Using same plate for raw and cooked meat	64	90	26
Slicing vegetables on board used for raw chicken	69	93	23
Keeping food for someone late for a meal	56	85	28
Washing hands before a meal	68	86	18
Keeping lunch at a safe temperature	71	86	15

Clemson University

- Targets - food service managers (105), culinary arts students (267), culinary arts teachers (25)
- Primarily qualitative
- Participants asked to remember the main messages of each song as well as provide general feedback

Clemson Results

“Do you remember the main message of each song?”

Name of song	Culinary arts students (percentage remembering)	Food service managers (percentage remembering)
You'd Better Wash Your Hands	72.2	96.2
They Might Kill You / We Are the Microbes	57.7	90.5
Stayin' Alive	68.2	93.3
Don't Be a Gambler	49.1	94.3

Findings Of Interest

- Culinary arts students
 - “Did you like the music?”
 - Yes (41%), No (59%)
- Culinary arts teachers
 - “Do you think your students would like to work on a special project dealing with food safety songs?”
 - Yes (100%)
- Very different responses from culinary arts students and food service managers

SOME GENERAL CONCLUSIONS

- Music can be used to improve food safety education
- Musical styles and messages need to be tailored for individual audiences
- Individual instructors may have significant influence in determining how well food safety music aids learning
- Music needs to be available in formats that are easy for instructors to use (DVD, CD, PowerPoint, Flash, VCR, etc.)

ANIMATED MUSIC VIDEOS

- Produced by collaborators at New Mexico State University
- Flash format
- Can be played on-line from <http://foodsafe.ucdavis.edu>
- Flash files can be downloaded in Windows and Mac formats from website