

**Final Report to the Pfizer Foundation
From Aultman Hospital
For: Reforming Inpatient Tobacco Treatment Program
Grant time Period: 2012 to 2014**

Summary: In 2012, Aultman Hospital in Canton, Ohio, received a generous two-year grant from the Pfizer Foundation in the amount of \$48,000 to implement its **“Reforming Inpatient Tobacco Treatment”** program. The program allowed Aultman Hospital to implement comprehensive tobacco treatment for all inpatients, while achieving the Joint Commission measures: *TOB-1 Tobacco Use Screening, TOB-2 Tobacco Use Treatment Provided or Offered, TOB-2a Tobacco Use Treatment, TOB-3 Tobacco Use Treatment Provided or offered at Discharge, TOB-3a tobacco Use Treatment at Discharge, and continuing TOB-4 Tobacco Use; Assessing Status After Discharge*. Through the duration of the grant, the Principal Investigator (PI) for the Reforming Inpatient Tobacco Treatment program was Sharla Elton. The funds were used to create the necessary pieces for a successful inpatient tobacco treatment program including personnel training, setting up new policies and procedures for tobacco treatment for the inpatients, and information technology changes for tracking, reporting, and provider communications. This included direct labor costs and follow-up calls that were conducted in-house by Aultman. Final tracking began in 2014 and is continuing.

Year 1

The first year of the grant, Aultman contracted with the Mayo Clinic to educate and train 11 additional Aultman Hospital and Aultman Orrville Hospital employees as Certified Tobacco Treatment Specialists (TTS). Aultman now has a combined 13 employees with an expert certification in tobacco treatment. Seven participants from other community hospitals and organizations were also invited to be trained and certified for an even bigger community impact. This four-day training aided Aultman’s health care professionals to become competent in the provision of treatment for patients dependent on tobacco. \$18,000 was spent for training by the Mayo Clinic and \$9,000 was spent on direct labor costs including Sharla Elton’s time, staff training, and IT staff.

Also in the first year, Aultman’s Information Technology staff performed IT changes for tracking and reporting patient outcomes in order to identify inpatients using tobacco. This identification set pace for the reports necessary for each step of the tobacco measures. Aultman’s IT Department set up a module for tracking and reporting (Attachment 1: Screen shots). \$1,000 was spent on policy and procedure changes including time, material and supplies.

All inpatients were screened upon hospital admission indicating which ones used tobacco and a task fires to the Respiratory Therapy team to conduct the treatment. A report was (and still is) generated weekly to show the number of patients treated for tobacco use (Report technically finished in year 2). Over 400 patients were screened each week through the program. (Attachment 2: Questionnaire).

Year 2

In Period 8 of 2014, follow-up phone calls to patients were conducted 14 and 30 days after discharge. For cost effectiveness and efficiency, this was conducted through an in-house process at Aultman by staff. Follow-up information was completed on approximately 50 percent of the total tobacco using inpatients through the calls. Aultman is continuing evaluation and data collection on its inpatient population. Funds are being spent down from the original \$20,000 for this final process. (Attachment 3: Follow-up calls). In addition, participation in Aultman’s “Give It Up” classes increased by over 20 percent. These classes are continuing through 2014.

Final Grant Budget

Direct Costs	Amount Spent	Description	Notes
<i>Direct Labor Costs</i>			
Staff Training	\$2,500	Time spent for Respiratory Therapists, Advanced Practical Nurses, and Physicians to receive training on policy and practice changes for inpatient tobacco treatment.	Completed
		Time spent to coordinate grant functions, meetings, assist in data collecting and reporting.	
PI – Sharla Elton	\$2,500	Time spent to create reports, make system changes, and create interfaces for follow-up.	Completed
IT Staff	\$4,000		Completed
Direct Initiative Costs			
Training conducted by Mayo Clinic for Certified Tobacco Treatment Training	\$18,000	11 Aultman participants were trained to as TTS. Included travel costs of facilitators.	Completed
Creation of Follow-up System	\$20,000	Aultman’s IT Department developed an effective inpatient follow-up system that was done in-house. Funds are continuing to be spent down.	In process
Institutional Overhead/Indirect Costs			
Policy and procedure changes	\$1,000	Spent on time, material and supplies to change inpatient tobacco treatment policies at Aultman.	Completed
Total	\$48,000		

Respectfully submitted by Sharla Elton (sharla.elton@aultman.com) and Shelly Durbin (shelly.durbin@aultman.com) of Aultman Hospital, 2600 Sixth Street SW, Canton, Ohio 44710.

Tracking

Aultman Hospital's Tobacco Cessation – week report for tracking

Questionnaire Sample

- 1) Total number of inpatients 18 years or older with LOS > 1 < 121, not cognitively impaired:
- 2) Total Number of inpatients screened for Tobacco use:
- 3) Exposure to Tobacco smoke:
 - a. Tobacco type and use:
 - b. Alternative Tobacco type and use:
- 4) Total number of patients who have used tobacco in the past 30 days:
- 5) Tobacco counseling:
- 6) Tobacco medication:
- 7) Tobacco counseling a& medication:
- 8) Outpatient counseling:
- 9) FDA approved cessation medication upon discharge.
- 10) Outpatient counseling & FDA approved medication.

Screen Shots

Cessation	Smoking Cessation																		
Smoking Cessation																			
Are You Ready To																			
Provider Notification																			
Education																			
Discharge Planning																			
	<p>Attempt to Quit Smoking in Past Year</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Established Quit Date</p> <p><input type="text"/></p>	<p>Methods Attempted to Quit Smoking</p> <table border="0"> <tr> <td><input type="checkbox"/> None</td> <td><input type="checkbox"/> Nicotine inhaler</td> <td><input type="checkbox"/> Smoking cessation program</td> </tr> <tr> <td><input type="checkbox"/> Acupuncture</td> <td><input type="checkbox"/> Nicotine nasal spray</td> <td><input type="checkbox"/> Other:</td> </tr> <tr> <td><input type="checkbox"/> Cold turkey</td> <td><input type="checkbox"/> Nicotine patch</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Hypnosis</td> <td><input type="checkbox"/> Oral medication</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Nicotine gum</td> <td><input type="checkbox"/> Self</td> <td></td> </tr> </table>	<input type="checkbox"/> None	<input type="checkbox"/> Nicotine inhaler	<input type="checkbox"/> Smoking cessation program	<input type="checkbox"/> Acupuncture	<input type="checkbox"/> Nicotine nasal spray	<input type="checkbox"/> Other:	<input type="checkbox"/> Cold turkey	<input type="checkbox"/> Nicotine patch		<input type="checkbox"/> Hypnosis	<input type="checkbox"/> Oral medication		<input type="checkbox"/> Nicotine gum	<input type="checkbox"/> Self		<p>Readiness to Quit</p> <p><input type="radio"/> Contemplating quitting <input type="radio"/> Not motivated to quit <input type="radio"/> Ready to quit <input type="radio"/> Refuses to discuss</p>	
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Weight Gain

- | | |
|--|---|
| <input type="checkbox"/> Importance of healthy diet emphasized | <input type="checkbox"/> Strict dieting discouraged |
| <input type="checkbox"/> Pharmacologic therapy explained | <input type="checkbox"/> Weight gain common/self limiting explained |
| <input type="checkbox"/> Physical activity encouraged | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Referred to specialist or program | |



*Performed on: 11/22/2014 1353

- Cessation
- Smoking Cessation
- Are You Ready To Quit
- Provider Notification
- Education
- Discharge Planning

Smoking Cessation History

Do You Currently Smoke Cigarettes

Current every day smoker Unknown if ever smoked
 Current some day smoker
 Smoker: current status unknown
 Former smoker
 Never smoker

How Many Total Years Have You Smoked

How Many Cigarettes Do/Did You Smoke/Day

10 Or Less Cigarettes
 11-20 Cigarettes
 21-30 Cigarettes
 31 or More Cigarettes

Times Tried Quit Smoking At Least 24 Hours/Past Year

0 4 Or More
 1 5
 2 6
 3 7

Tobacco / Nicotine Use History

Tobacco Type

Cigarettes
 Chewing tobacco
 Cigars
 Pipe

Tobacco Frequency

Every day
 Frequently
 Occasionally
 Rarely

Tobacco Last Use

Alternative Nicotine Use

Nicotine gum
 Electronic Cigarettes
 Nicotine patch

Alternative Nicotine Frequency

Every day
 Frequently
 Occasionally
 Rarely

- Cessation
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Are You Ready To Quit Smoking

I Want To Quit For Personal Reasons, Not Because I Feel Pressured To Quit By Others

- Completely Agree
- Somewhat Disagree
- Somewhat agree
- Completely Disagree
- Neutral

I Have A Specific Plan Try Quit Smoking

- Completely Agree
- Somewhat Disagree
- Somewhat agree
- Completely Disagree
- Neutral

I Am Always Looking For New Ways To Help Me Not Smoke

- Completely Agree
- Somewhat Disagree
- Somewhat agree
- Completely Disagree
- Neutral

I Want To Quit Smoking Because I Worry A Lot About How Smoking Affects My Health

- Completely Agree
- Somewhat Disagree
- Somewhat agree
- Completely Disagree
- Neutral

I Want To Quit Smoking Because I Am Tired Of Being A Prisoner To My Cigarettes

- Completely Agree
- Somewhat Disagree
- Somewhat agree
- Completely Disagree
- Neutral

[Fagerstrom Test For Nicotine Dependence](#)

How Soon After Waking In A.M. Do You Smoke First Cigarette

- Within 5 minutes
- Within 6-30 minutes
- Within 31-60 minutes
- Greater than 60 minutes

Do You Find It Difficult NOT To Smoke Where It Is Forbidden

- Yes
- No

Which Cigarette Is The Most Satisfying Of The Day

- First in the morning
- All others

How Many Cigarettes/Day

- 10 Or Less Cigarettes
- 11-20 Cigarettes
- 21-30 Cigarettes
- 31 or More Cigarettes

Do You Smoke More In The Morning Than Rest Of Day

- Yes
- No

Do You Smoke When Sick Enough/Have To Stay In Bed

- Yes
- No

Do You Think You are Ready To Set A Quit Date Within The Next 7 Days

- Yes
- No

Are You Ready To Discuss Quitting Smoking With A Healthcare Professional

- Yes
- No

Do You Think You Are Ready To Set A Quit Date Within The Next 30 days

- Yes
- No



*Performed on: 11/22/2014 1353

Cessation

Smoking Cessati

Are You Ready T

Provider Notificati

Education

Discharge Planni

Discharge Planning-Smoking Cessation

Which Interventions Did The Patient Receive Prior To Discharge

- Smoking Cessation Counseling
- Smoking Cessation Over The Counter Medication (nicotine patch, gum, or lozenges)
- Smoking Cessation Prescription Nicotine Replacement (Inhalers, Nasal Sprays)
- Smoking Cessation Other Prescription Medications
- None

Smoking Cessation Counseling, Smoking Cessation Over The Counter Medication (nicotine patch, gum or lozenges), Smoking Cessation Prescription Nicotine Replacement (inhalers, nasal sprays), Smoking Cessation Other Prescription Medications.

Which Interventions Did The Patient Refuse Prior To Discharge

- Smoking Cessation Counseling
- Smoking Cessation Over The Counter Medication (nicotine patch, gum, or lozenges)
- Smoking Cessation Prescription Nicotine Replacement (Inhalers, Nasal Sprays)
- Smoking Cessation Other Prescription Medications
- None

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Was A Discharge Smoking Cessation Plan Communicated To Primary Care

- Yes
- No

Was A Referral Made To A Local Smoking Cessation Hotline or Group Education Forum

- Yes
- No
- Refused

Tobacco Follow-up Calls															
				<i>Period</i>											
	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>Totals to date</i>	
<i>Calling stats</i>															
<i>Total smokers discharged</i>								345	372	327				1044	
<i>Total calls made</i>								473	540	494				1507	
<i>Total # of people contacted</i>								184	143	154				481	
<i>% contacted</i>								53.3 %	38.4 %	47.1%				46.1%	
<i>Smoking Status</i>															
<i>Total contacted that are still smoking</i>								146	111	117				374	
<i>Total contacted that have quit smoking</i>								38	32	37				107	
<i>% contacted that quit smoking</i>								20.7 %	22.4 %	24.0%				22.2%	
<i>NRT therapy</i>															
<i>Patches</i>								16	21	10				47	
<i>E-cigarettes</i>								6	4	1				11	
<i>Chantix</i>								7	1	3				11	
<i>Lozenges</i>								1	2	0				3	
<i>Gum</i>								3	3	0				6	
<i>Total that are using NRT therapy</i>								33	31	14	0	0	0		

<i>Education/Classes</i>													
<i>Total contacted that were visited by our team</i>							51	57	78				186
<i>% contacted that were visited</i>							27.7%	39.9%	50.6%				38.7%
<i>Total contacted that signed up for classes</i>							9	9	7				25
<i>% contacted that signed up</i>							4.9%	6.3%	4.5%				5.2%