

Implementation of an Evidence-Based Strategy to Assess and Manage Substance Use in Oncology Patients

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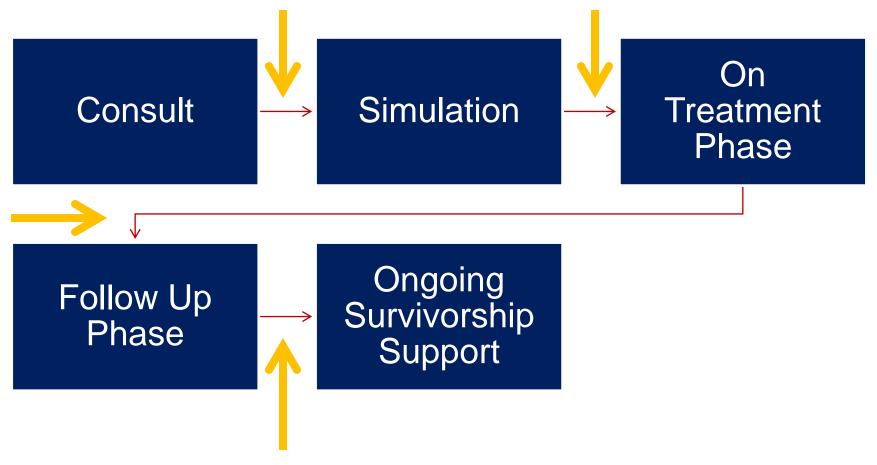
- 2,537 unique patients per year
- 17,309 clinic visits
- 11 RNs/9 MDs/10 Residents

 Cancers treated: HNC, prostate, breast, GI, GYN, CNS, Pediatrics



Radiation Oncology Patient Flow





Background



- Cancer care = primary care
- Long term relationships between patients and providers
- Excellent opportunities for health promotion

Background



- Relationship between cancer and substance use
 - Alcohol-induced cancers
 - Drug-influenced cancers

 Prevalence & scale of substance use unknown

Background



Poor quality of life

- Safety risks
 - Post-op complications ⁵⁻¹⁰
 - Increased mortality ¹¹
- Poor treatment outcomes 10, 12-14

Summary of the Evidence



- Use strategies from pain management/primary care 15-24
 - Screening/Assessment
 - Risk Stratification
 - Risk-Based Interventions
 - Substance use treatment when needed 19, 23, 26

Aims & Evaluation Plan



Increase
identification of
patients with risky
alcohol or illicit
substance use

Screening visits
Consult visits

Increase appropriate initial interventions for patients with risky alcohol or illicit substance use

Brief interventions & referrals

positive screens

Improve knowledge, skills & attitudes of clinicians in addressing risky substance use

3 Tools:
Helpful Responses
KSA
MI Readiness

Instructional Design



- Target: Nurses and Physicians
- Methods: Didactic and Interactive
 - 4 hours training, interdisciplinary
- Evaluation: Pre- and post-survey tools
 - KSA, Helpful Responses, MI Readiness

Clinical Pathways



- Screening Tools
 - Audit-C
 - Single-question drug screener
- Assessment Tools
 - ASSIST
 - Risk stratification

Interventions based on risk

Screening

Assessment

Risk-Based Interventions

Audit-C + Drug Screener



Patient Na MRN:	ame: ELECTRO, NICK 10242048	
Assessm	ent Date: 5/3/2015 Time: 5:51 PM Edit Assessment	
<u> </u>	ening	
	How often do you have a drink containing alcohol?	4: 4 or more times a week
	How many standard drinks containing alcohol do you have on a typical day ?	● 1: 3 or 4
	How often do you have six or more drinks on one occasion?	1: Less than monthly
	How many times in the past year have you used an illegal drug or used a prescription medication for nonmedical reasons?	1: At least once

Clinician Pocket Guide



L O W

Affirmation, Handout if requested

M

O

D

Brief Intervention (Consult)

Brief
Intervention
(+3 weeks)

H

Ι

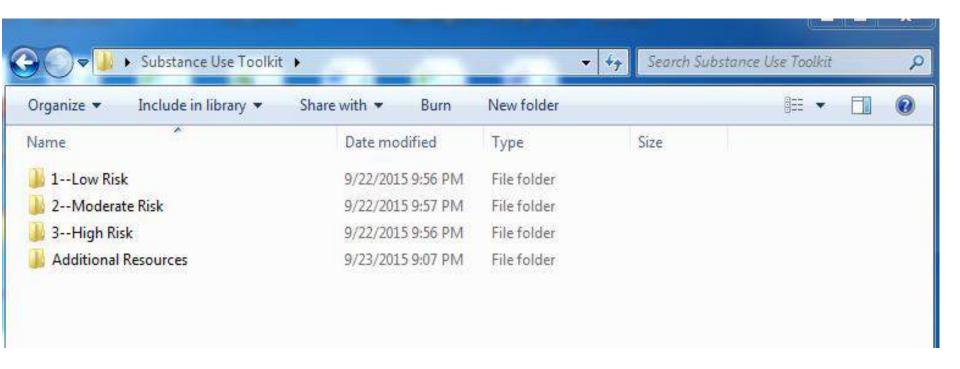
G H Brief Intervention (Consult)

Referral to Psych Liaison (Consult)

Brief Intervention
(Weekly x
Duration of
Cancer
Treatment)

Toolkit





SUMIT (Substance Use Management and JOHNS HOPKINS Identification Team): Project Team

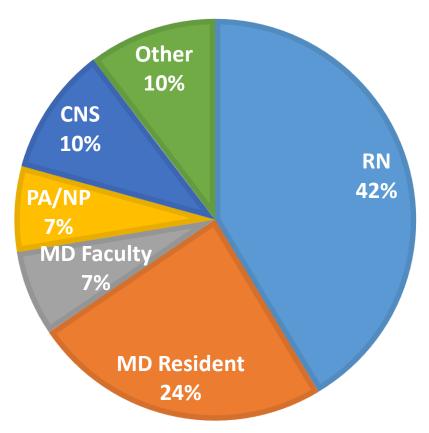
Name	Position	Role
Amanda Choflet	Nurse Manager	Project Coordinator
Laura Hoofring	Psychiatric Liaison Nurse	Psychiatric Nursing Expert
Lisa Katulis	Nurse Clinician	Project team
Sarah Bonerigo	Physician Assistant	Medical Oncology Liaison
Dana Wloczewski	Radiation Therapist	Project team
Sierra Cheng	Post-Doctoral Fellow	IT Innovation
Omar Mian	Resident Physician	Project team
Amol Narang	Resident Physician	Project team

Clinician Demographics



PARTICIPANT JOBS





Patient Demographics

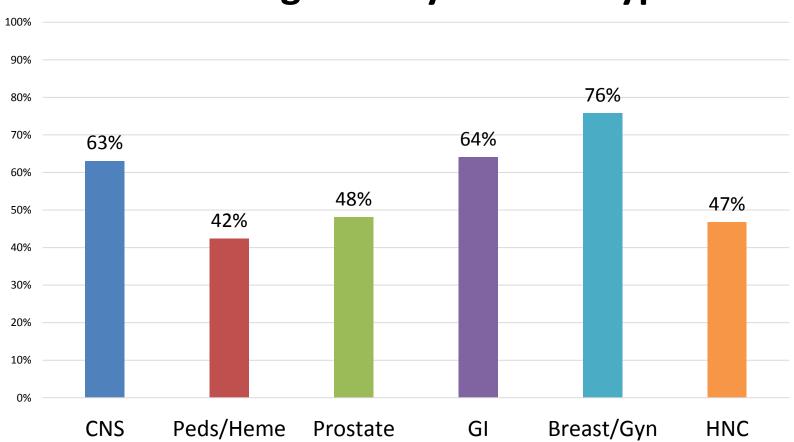


Table Demo	el graphic characteristics	
		Total (%) N=561
Sex		
	Male	300 (53)
	Female	261 (47)
Age		
	Mean age in years \pm SD (range)	59 ±15.2 (5-93)
Diagn	iosis	
	Gastrointestinal	56 (10)
	Head and Neck Cancer	88 (16)
	Pediatrics/Hematology	90 (16)
	Prostate	89 (16)
	Breast/Gynecological	106 (19)
	Central Nervous System	132 (24)

Screening Rate



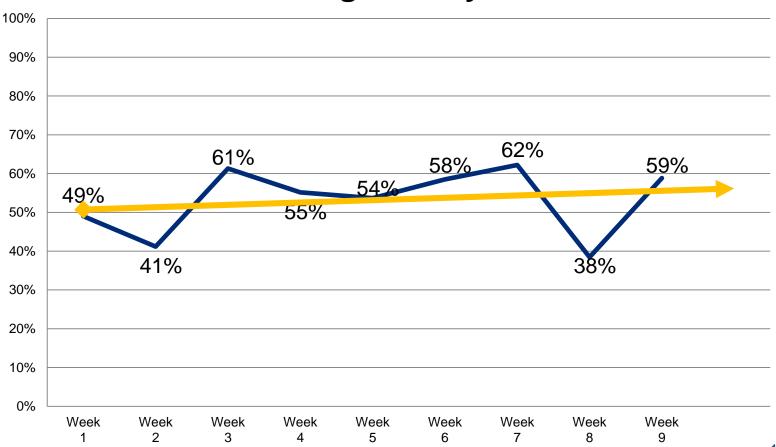
Screening Rate by Disease Type



Screening Rate



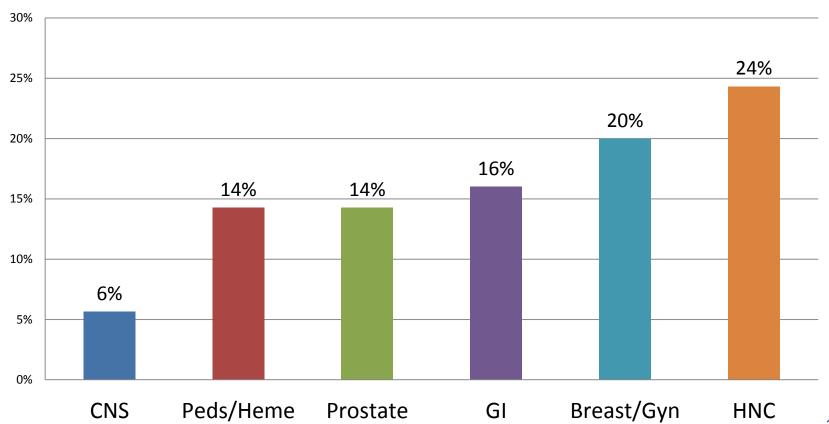
Screening Rate by Week



Positive Screen Results



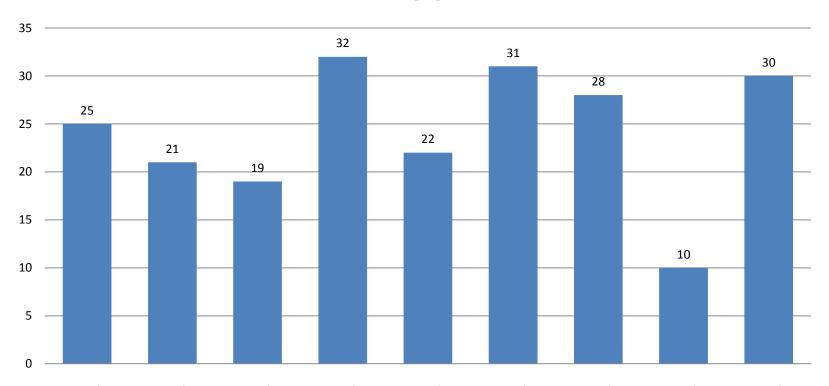
Percentage of Positive Screen Results by Disease Site



Completed Screens



Number of Screens Completed By Week

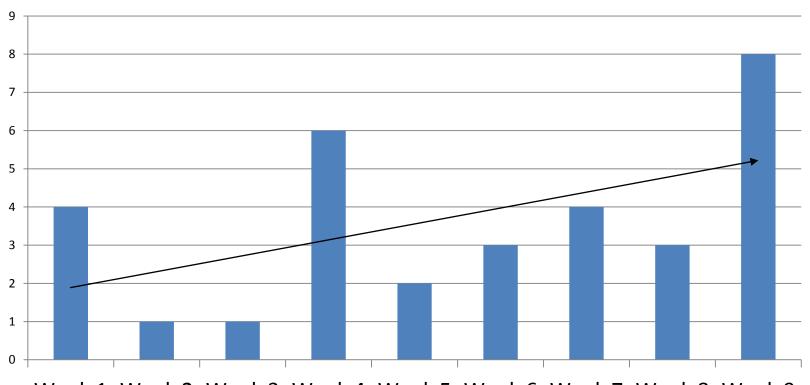


Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 8 Week 9

Positive Screens



Number of Positive Screens By Week

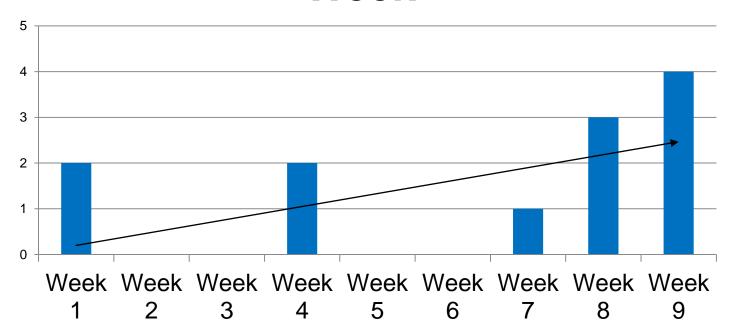


Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 8 Week 9

Brief Interventions



Number of Brief Interventions Delivered By Week



Brief Interventions



	1		
	-	n	
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Substance-specific intervention characteristics for patients with positive substance use screen

	Total (%)
	N=32
Alcohol	
Positive screen	22 (68.7)
Brief interventions delivered (%)	6 (27.3)
Brief interventions refused (%)	5 (22.7)
Brief interventions not offered (%)	11 (50)
Drugs	
Positive screen	10 (31.3)
Brief interventions delivered (%)	6 (60)
Brief interventions refused (%)	2(20)
Brief interventions not offered (%)	2 (20)
Negative screen	
Brief interventions delivered	8

Local Implications



 Cancer patients report risky substance use behaviors when assessed using a valid instrument.

 Staff will engage in risk-based interventions for cancer patients with risky substance use

Public Health Implications



 Use every opportunity to impact patients' long-term health

 Incorporate MI techniques into healthcare setting

Engage patient in long-term thinking about health

Recommendations



- Revisit disease-specific data
- Screen at all sites
 - Requires training
 - Referrals
- Patient Outcomes Data
 - Oncospace

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