

Key Principles of Evidence-based Vocational Rehabilitation in Adults with Cancer

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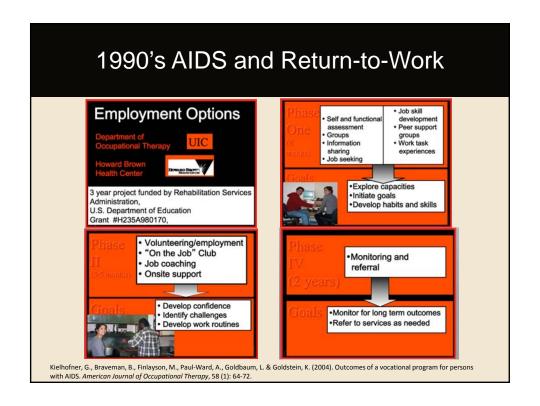
Special Thanks

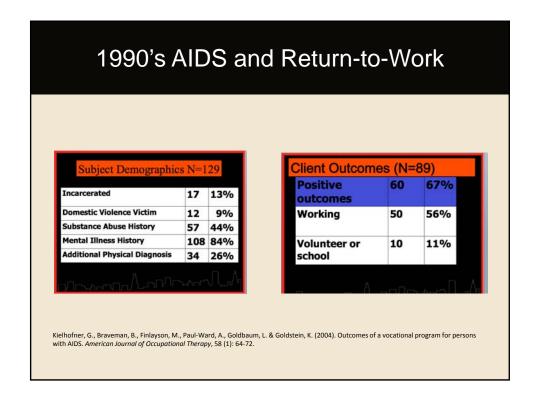
Thank you to the MD Anderson Cancer Center for their support in allowing me to attend this Congress

Thank you to Janet de Moor, PhD. MPH
Program Director
National Cancer Institute for contribution of slides 8, 10 & 14

Learning Objectives

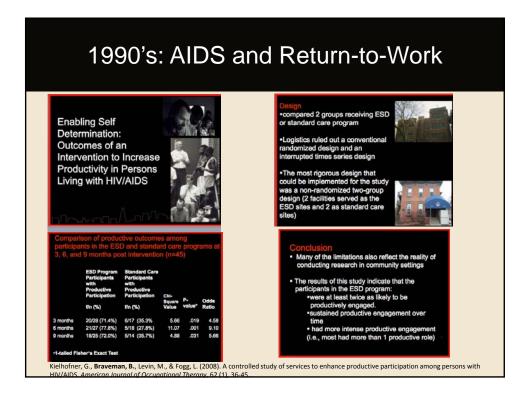
- Understand key principles of evidence-based vocational rehabilitation for persons living with AIDS
- Describe the evidence on return-to-work for adults with cancer
- Explain the commonalities in effective evidencebased return-to-work interventions across conditions
- Explain the influence of an underlying condition, disease or disability on the return-to-work process.
- Explain occupational therapy's distinct value in evidence-based return-to-work programs





Key Principles of the EO Program

- Multi-factoral program (person, environment, policy, disability)
 - Job satisfaction prior to illness
 - Illness severity
 - Supervisor/peer support
 - Positive narrative slope
 - Type of work (mildly)
 - Age
 - Education
 - Influence of policy on health care
 - Individualized occupational therapy and services (e.g. menu approach)



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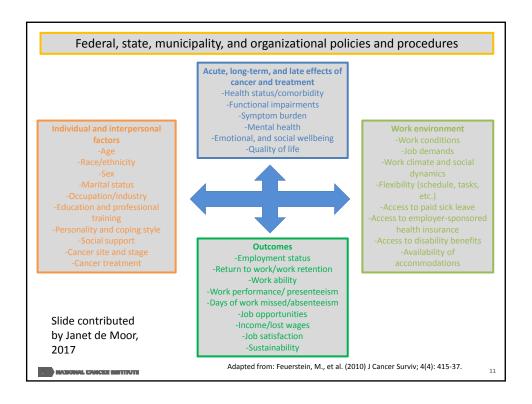
2017: Cancer and Return-to-Work

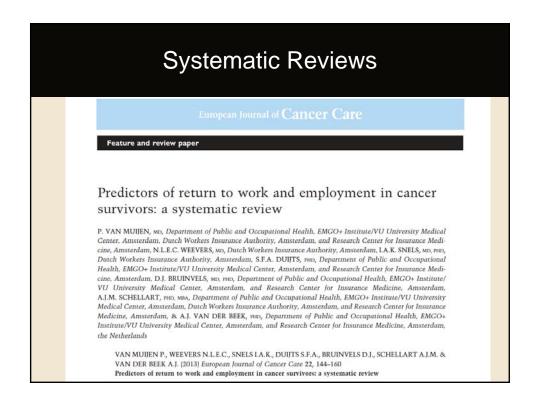
- Many cancer survivors report functional limitations and psychosocial difficulties that affect their ability to work.
 - Approximately 64% of cancer survivors return to work at some point after diagnosis.³
 - Rates of return to work range from 24%-94% depending on cancer type and stage at diagnosis.³
 - Cancer survivors are 1.4 times more likely to be unemployed than individuals without a cancer history.⁴

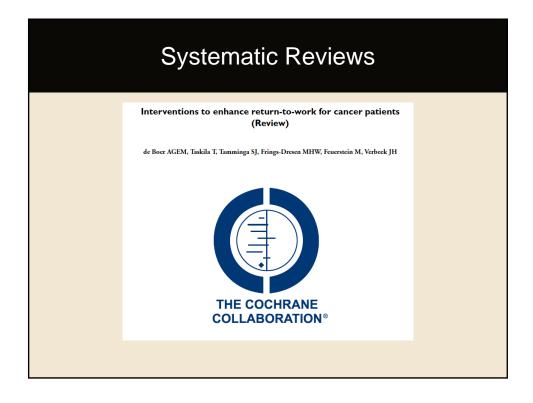
Slide contributed by Janet de Moor, 2017

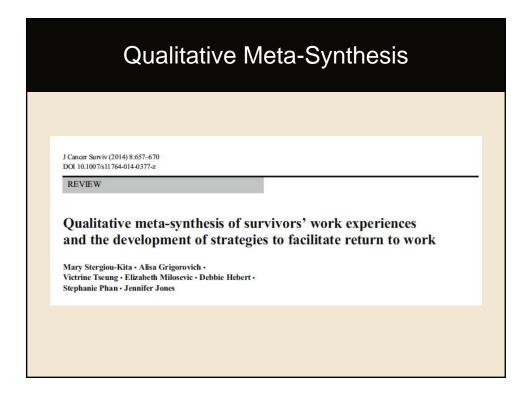
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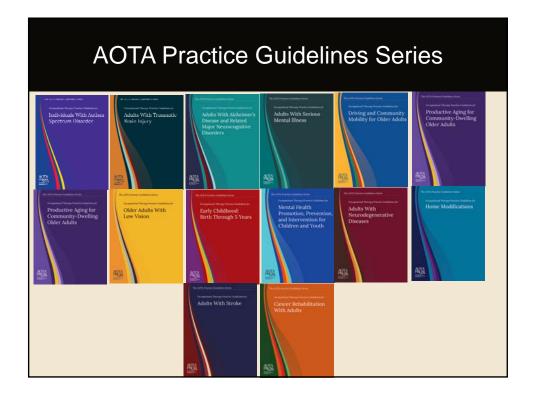
Characteristics of the Intervention Literature

- Generally low quality evidence
- Few interventions conducted in the United States
- Sample sizes are small with many studies conducted with breast cancer survivors
- Most studies lack sufficient detail needed to assess bias which is a barrier to systematic reviews/meta-analyses
- Limited internal and external validity
- Employment is not well characterized in most survivorship interventions that address physical and psychosocial functioning
- Although there is evidence that multi-disciplinary interventions are most effective, the individual components are rarely evaluated separately

Slide contributed by Janet de Moor, 2017

(Fill in the blank) and Return-to-Work

- Does the specific condition, illness or disability change the parameters of best-practice, evidence-based vocational rehabilitation?
- Of course but....



Practice Guideline Team

- AOTA: Marian Arbesman, PhD, OTR/L and Deborah Lieberman, MHSA, OTR/L, FAOTA
- Systematic Review: Mariana D'Amico, EdD, OTR/L, FAOTA, Nova Southeastern University, Robert Gibson, PhD, MOTR/L, FAOTA, Medical College of Georgia, and Devera W. Kastner, MSLS, Medical Librarian, Alumni Library, Case Western Reserve
- Clinical Consultants: Claudine Campbell, MOT, OTR/L, CLT- Memorial Sloan Kettering Cancer Center and Lauro Munoz, OTR, MOT, CHC- MD Anderson Cancer Center, Jennifer Nicholson, OTR, MOT, Courtland Lee, OTR, MOT

Return to Work-3 articles

- Level I (2), Level III (1)
- <u>Strong evidence</u> that multidisciplinary interventions benefit the return to work experience of cancer survivors
- Moderate evidence that rehabilitation interventions can help survivors continue to work during and after cancer treatment.

Intervention Examples- Return to Work

- (de Boer, et al., 2011)-Systematic review of interventions geared toward RTW for cancer patients.⁴
 - Fourteen RCT. These studies involved a total of 1652 participants. Moderate quality evidence showed that employed patients with cancer experience return-towork benefits from multidisciplinary interventions compared to care as usual.
- (Thijs, et al., 2012) 18-weeks rehabilitation program including strength and interval training, and homebased activities vs standard care.⁵
 - Patients in the intervention group showed significantly less reduction in working hours per week. No significant difference in time until return-to-work

Occupational Therapy's Distinct Value in Return-to-Work Programs

- Occupational therapy practitioners are uniquely qualified to assess the impact of the full variety of variables shown to influence return-to-work and intervene to-
 - Decrease the negative impact
 - Alter occupational demands by
 - Changing the task
 - Using adaptive strategies
 - Use compensatory and rehabilitative strategies to affect occupational performance

Conclusions

- Effective evidence-based return-to-work programs address the same influencing factors regardless of illness, condition or disability
- We need not reinvent the wheel each time we explore return-to-work with a new illness, condition or disability
- Occupational therapy practitioners are uniquely qualified to provide effective evidence-based return-to-work interventions as part of an interprofessional team

References

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- de Boer AG, Taskila T, Ojajarvi A, van Dijk FJ, Verbeek JH. Cancer survivors and unemployment: a meta-analysis and meta-regression. JAMA. 2009;301(7):753-62.
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