

Slide 1: Title Slide: Evidence for IPS

Slide 2: Why focus on work

(Bond & Drake, 2014)

Slide 3: Need for employment services

Interest in employment: (Bedell, Draving, Parrish, Gervev, & Guastadisegni, 1998; Drebing et al., 2004; Frounfelker, Wilkniss, Bond, Devitt, & Drake, 2011; Knaeps, Neyens, van Weeghel, & Van Audenhove, 2015; Livermore & Bardos, 2017; McQuilken et al., 2003; Mueser, Salyers, & Mueser, 2001; Ramsay et al., 2011; Rogers, Walsh, Masotta, & Danley, 1991; Westcott, Waghorn, McLean, Statham, & Mowry, 2015; Woltmann, 2009)

<20% employed: (Lindamer et al., 2003; Pandiani & Leno, 2012; Perkins & Rinaldi, 2002; Rosenheck et al., 2006; Salkever et al., 2007)

Only 2% have access: (Brown, Barrett, Ireys, Caffery, & Hourihan, 2012; Bruns et al., 2016; Druss, 2014; Twamley, Baker, Norman, Lohr, & Resnick, 2013).

Slides 4: Four Trends

Slide 5: 1. Expand evidence base

Slide 6: Day treatment conversion studies

Convert day treatment to IPS: (Bailey, Ricketts, Becker, Xie, & Drake, 1998; Becker et al., 2001; Drake et al., 1994; Drake, Becker, Biesanz, Wyzik, & Torrey, 1996; M. Gold & Marrone, 1998)

Convert sheltered workshop to IPS: (Oldman, Thomson, Calsaferrri, Luke, & Bond, 2005)

Slide 7: Employment outcomes in day treatment conversion studies

(Bond, 2004)

Slide 8: Other outcomes in day treatment conversion studies

(Clark, 1998; Torrey, Becker, & Drake, 1995)

Slide 9: Recent systematic reviews of IPS

(Bond, Drake, & Becker, 2012; Frederick & VanderWeele, 2019; Kinoshita et al., 2013; Marshall et al., 2014; Metcalfe, Drake, & Bond, 2018; Modini, Tan, et al., 2016)

Slide 10: Compilation of 26 RCTs of IPS

23 RCTs listed in: (Drake, Bond, Goldman, Hogan, & Karakus, 2016)

Slide 11: List of 26 randomized control trials of IPS

(Bejerholm, Areberg, Hofgren, Sandlund, & Rinaldi, 2015; Bond, Kim, et al., 2015; Bond, Salyers, et al., 2007; Burns et al., 2007; Davis et al., 2018; Davis et al., 2012; Drake et al., 2013; Drake et al., 1999; Drake, McHugo, Becker, Anthony, & Clark, 1996; P. B. Gold et al., 2006; Heslin et al., 2011; Hoffmann, Jäckel, Glauser, Mueser, & Kupper, 2014; Killackey et al., 2019; Killackey, Jackson, & McGorry, 2008; Latimer et al., 2006; Lehman et al., 2002; Michon et al., 2014; Mueser et al., 2004; Nuechterlein et al., 2019; Oshima, Sono, Bond, Nishio, & Ito, 2014; Tsang, Chan, Wong, & Liberman, 2009; Twamley et al., 2012; Viering et al., 2015; Waghorn, Dias, Gladman, Harris, & Saha, 2014; Wong et al., 2008; Zhang et al., 2017)

Slide 12: Characteristics of 26 RCTs

Graph compiled for this powerpoint.

Slides 13-14: Graph of 26 RCTs; Overall findings

Slide 15: IPS findings similar for large cities and rural communities

(Haslett, Bond, Drake, Becker, & McHugo, 2011)

Slide 16: Other employment outcomes for IPS

(Bond, Campbell, & Drake, 2012)

Slide 17: Job tenure for IPS jobs

(Bond & Kukla, 2011; Hoffmann et al., 2014)

Slide 18: Steady employment rates in 3 long-term IPS studies

(Becker, Whitley, Bailey, & Drake, 2007; Hoffmann et al., 2014; Salyers, Becker, Drake, Torrey, & Wyzik, 2004)

Slide 19: Long-term outcomes from Mental Health Treatment Study

(Baller et al., 2017) (under review)

Slide 20: Cost-effectiveness of IPS

Summarized for this powerpoint

Slide 21: Return on investment

(Hoffmann et al., 2014)

Slide 22: Does IPS have a direct impact on mental health and well being?

(Kukla & Bond, 2013)

Slide 23: IPS improves interpersonal relationships among veterans with PTSD

(Mueller et al., 2019)

Slide 24: Impact of competitive employment on mental health and well being in general population

(Modini, Joyce, et al., 2016)

Slide 25: Impact of competitive employment on mental health and well being for people with serious mental illness

(Luciano, Bond, & Drake, 2014). See also: (Bouwman, Sonnevill, Mulder, & Hakkaart-van Roijen, 2015; Charzyńska, Kucharska, & Mortimer, 2015; van Rijn, Carlier, Schuring, & Burdorf, 2016).

Slide 26: Large-sample study of impact of employment on mental health

(Gibbons & Salkever, 2019)

Slide 27: Target subgroups served by IPS

People with justice involvement:

(Bond, Kim, et al., 2015; LePage et al., 2016)

People receiving disability benefits:

(Bond, Xie, & Drake, 2007; Drake et al., 2013; Sveinsdottir et al., 2016; Viering et al., 2015)

Slide 28: IPS effective across many subgroups

(Campbell, Bond, & Drake, 2011; Campbell, Bond, Drake, McHugo, & Xie, 2010)

Slide 29: IPS is effective for clients with mental illness and substance use disorder

(Mueser, Campbell, & Drake, 2011)

Slide 30: Recent focus on young adults

WIOA (Mann & Croake, 2018)

Foster care (Ellison et al., 2015)

Coordinated specialty care for first episode of psychosis (Azrin, Goldstein, & Heinssen, 2015)

Slide 31: Goals of young adults with first episode of psychosis

(de Waal, Dixon, & Humensky, 2018)

Slide 32: IPS in coordinated specialty care programs for first episode of psychosis

(Bond, Drake, & Luciano, 2015)

Slides 33: IPS for young adults (under 30) enrolled in 4 RCTs

(Bond, Drake, & Campbell, 2016)

Slide 34: International focus on young adults not in employment, education, and training

(Arulampalam, Gregg, & Gregory, 2001; Kaye, Jans, & Jones, 2011; Mawn et al., 2017; O'Dea et al., 2014; Ralston, Feng, Everington, & Dibben, 2016; Scott et al., 2013)

Slide 35: Norwegian SEED study of IPS for young adults at risk for entering disability system

(Sveinsdottir et al., 2019)

Slide 36: Expanding IPS to new populations

Slide 37: 9 RCTs of IPS in new populations

(Bond, Drake, & Pogue, 2019)

9 RCTs: (Bejerholm, Larsson, & Johanson, 2017; Davis et al., 2018; Davis et al., 2012; Hellström et al., 2017; LePage et al., 2016; Lones et al., 2017; Ottomanelli, Barnett, & Goetz, 2014; Reme, Grasdahl, Løvvik, Lie, & Øverland, 2015; Reme et al., 2019)

Slide 38: Strategies to disseminate, implement, sustain, and expand IPS

(Becker, Baker, et al., 2007; Becker, Drake, & Bond, 2014; Becker et al., 2011; Becker, Lynde, & Swanson, 2008; Bond, Drake, Becker, & Noel, 2016b; Bond, McHugo, Becker, Rapp, & Whitley, 2008; Cohen & Becker, 2014; Drake, Becker, Goldman, & Martinez, 2006; Swanson et al., 2011; Swarbrick et al., 2017)

Slides 39: IPS learning community

Slides 40: Map of IPS learning community states and nations

<https://ipsworks.org>

Slide 41: Benchmark for good quarterly competitive employment outcome

(Drake, Bond, & Becker, 2012)

Slide 42: IPS learning community outcomes

<https://ipsworks.org>

Slide 43: IPS fidelity

(Becker, Swanson, Reese, Bond, & McLeman, 2015; Bond, Becker, & Drake, 2011; Bond, Peterson, Becker, & Drake, 2012)

Slide 44: IPS sustainment

(Bond, Drake, Becker, & Noel, 2016a)

Slide 45: IPS learning community infrastructure, fidelity, and outcomes

(Bond, Drake, et al., 2016a)

Slide 46-47: International spread

Slide 48: IPS RCTs by continent

(Drake, Becker, & Bond, 2018)

Slide 49: Why lower employment rates in Europe?

(Burns et al., 2007; Metcalfe et al., 2018)

Slide 50: VR experts rate IPS as highly relevant and highly evidence-based

(Leahy et al., 2018)

Slide 51: Overall conclusions

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