

Slide 1: Title Slide: Evidence for IPS

Slide 2: Few people with serious mental illness work

(Hakulinen et al., 2019)

Slide 3: Why focus on work

(Bond & Drake, 2014)

Slide 4: Impact of competitive employment on mental health and well being in general population

(Modini, Joyce, et al., 2016)

Other reviews and research studies: (Blustein, 2008; Butterworth et al., 2015; Waddell & Burton, 2006)

Slide 5: 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 6: Impact of employment on mental health outcomes and service costs

(Gibbons & Salkever, 2019)

Slide 7: Need for employment services

Interest in employment: (Bedell, Draving, Parrish, Gurvey, & 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: (Bruns et al., 2016; Twamley, Baker, Norman, Lohr, & Resnick, 2013).

Slides 8: Four Trends

Slide 9: Trend 1: Expanding evidence base

Slide 10: 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, Calsafferri, Luke, & Bond, 2005)

Slide 11: Employment outcomes in day treatment conversion studies

(Bond, 2004)

Slide 12: Other outcomes in day treatment conversion studies

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

Slide 13: Randomized controlled trials of IPS

For list of studies: (Brinchmann et al., 2020; Drake, Bond, Goldman, Hogan, & Karakus, 2016)

Slide 14: Study characteristics of 28 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; Erickson, Roes, Digiacomo, & Burns, 2020; 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., 2020; 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 15: Summary statistics for RCTs of IPS

Compiled for this powerpoint.

Slide 16: Graph of 28 RCTs

Graph compiled for this powerpoint.

Slide 17: Overall findings for 28 RCTs

Slides 18-19: Other employment outcomes for IPS

(Bond, Drake, & Becker, 2020; Bond, Campbell, & Drake, 2012)

Slide 20: Job tenure for IPS jobs

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

Slide 21: Long-term outcomes (% steady workers) in three IPS studies

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

Slides 22-23: Long-term outcomes from Mental Health Treatment Study

(Baller et al., 2020)

Slide 24: IPS effective in diverse locations

Slide 25: IPS fidelity and employment outcomes similar in urban and rural communities

(Haslett, Bond, Drake, Becker, & McHugo, 2011; Luciano, Bond, Becker, & Drake, 2014)

Slide 26: IPS RCTs by continent

(Drake, Becker, & Bond, 2019)

Slide 27: Why lower employment rates in Europe?

(Brinchmann et al., 2020; Burns et al., 2007; Metcalfe, Drake, & Bond, 2018)

Slide 28: Systematic reviews of IPS

(Bond, Drake, & Becker, 2012; Brinchmann et al., 2020; Frederick & VanderWeele, 2019; Kinoshita et al., 2013; Marshall et al., 2014; Metcalfe, Drake, & Bond, 2018; Modini et al., 2016; Suijkerbuijk et al., 2017)

Slide 29: Cost-effectiveness of IPS

Summarized for this powerpoint

Slide 30: Return on investment

(Hoffmann et al., 2014)

Slide 31: Does IPS have a direct impact on mental health and well being?

(Kukla & Bond, 2013)

Slide 32: IPS improves interpersonal relationships among veterans with PTSD

(Mueller et al., 2019)

Slide 33: Target subgroups served by IPS

People with justice involvement:

(Bond, Kim et al., 2015; LePage et al., 2016; LePage et al., 2020)

People receiving disability benefits:

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

People with mental illness and substance use disorder

(Harrison, Krieger, & Johnson, 2019; Mueser, Campbell, & Drake, 2011)

Slide 34: IPS effective across many subgroups

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

Slide 35: Recent focus on employment services for 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 36: Goals of young adults with first episode of psychosis

(de Waal, Dixon, & Humensky, 2018)

Slide 37: IPS in coordinated specialty care programs for first episode of psychosis

(Bond, Drake, & Luciano, 2015)

Slides 38: IPS for young adults (under 30) enrolled in 4 RCTs

(Bond, Drake, & Campbell, 2016)

Slide 39: 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 40: Norwegian SEED study of IPS for young adults at risk for entering disability system

(Sveinsdottir et al., 2020)

Slide 41: Trend 3: Expanding IPS to new populations

(Bond, Drake, & Pogue, 2019, 2020)

Recent TANF study: (Chandler, 2020)

Slide 42: 9 RCTs of IPS in new populations

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, Grasdal, Løvvik, Lie, & Øverland, 2015; Reme et al., 2019)

Slide 43: Trend 4: 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 44: IPS Learning Community

(Drake, Becker, & Bond, 2020)

Slides 45: Map of IPS Learning Community states and nations

<https://ipsworks.org>

Slide 46: Growth of IPS Teams in US

Compiled from IPS Employment Center data base

Slide 47: IPS Learning Community employment outcomes

<https://ipsworks.org>

Slide 48: Benchmark for good quarterly competitive employment outcome

(Drake, Bond, & Becker, 2012)

Slide 49: IPS fidelity

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

Slide 50: Sustaining IPS services over time

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

Slide 51: IPS Learning Community infrastructure, fidelity, and outcomes

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

Slide 52: Spread of IPS in US

(Johnson-Kwochka, Bond, Drake, Becker, & Greene, 2017; Pogue, Al-Abdulmunem, & Bond, 2020)

Slide 53-54: International spread

(Becker & Bond, 2020; Drake, 2020)

IPS programs outside US: (Knutzen, 2020)

Slide 55: VR experts rate IPS as highly relevant and highly evidence-based

(Leahy et al., 2018)

Slide 56: Overall conclusions

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