Cancer Diagnosis and Treatment : Employment and Health Insurance Challenges

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Today's talk

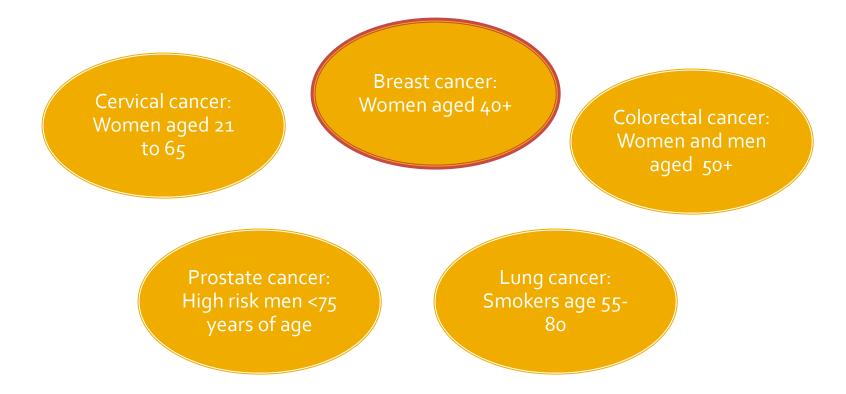
- Cancer & employment overview
- Key findings & Implications
- Provocative issues for policy considerations & impact on patients' lives
- Conclusions

Cancer and Employment

- Large population affected (U.S.)
 - ~15 million survivors
 - ~7 million are working age
 - Majority are women (58%)
- Shift in age at diagnosis
 - Emphasis on early detection leads to younger individuals diagnosed and treated



U.S. Cancer Screening Guidelines



Shift in Treatment

- Outpatient setting
- Duration ranges from a few months to years
 - New therapies continue until evidence of disease progression
- Longer survival



Overall Workforce Trends

- Trend to remain in the workforce longer
 - Require more resources to retire
- More women entering the workforce

Skilled Labor Trends – Gig Economy

- Freelancers and full-time employees work together
- Cost cutting by removing healthcare coverage and other benefits
- Workplace wellness and well-being programs on the rise to attract talent
- 2 top demands following pay
 - Healthcare coverage
 - Work flexibility

Low Skilled Labor Trends

- Work fewer hours
- Withdrawal from the labor force, particularly among men
- Cost cutting by removing healthcare coverage and other benefits
- Loss of middle skilled jobs led to polarization
 - More men shifted to low skilled jobs
 - More women shifted to high skilled jobs

Motivation to Remain Working

- Health insurance
- Wages
 - Financial toxicity
 - Reduced household income
- Sense of normalcy, source of distraction, establishment of routine
 - Self-worth & accomplishment
 - Signals recovery to family, friends, & coworkers

Relevant Outcomes

- Labor supply (employment & hours worked)
 - Patient & spouse
- Wages
- Benefit retention & "hours" lock
- Job mobility
- Work limitations

Important Mediators

- Treatment type, dose, duration
- Symptoms, interference, functional status
- Education
- Worksite conditions
 - Job task
 - Accommodations
 - "Health-centered" / "Well-being" environment
 - Supportive
 - Job satisfaction

Employment & Hours Worked

For breast and prostate cancer survivors

During Treatment (diagnosis to 6 months)

Lowest employment rates

Fewer hours worked

12 to 18 months following diagnosis

Return to work for most patients

Hours about the same or a little less as prediagnosis

Long-term (2 to 5+ years)

Lower rates of employment

More hours worked

*Prior to oral agents & other innovations



Return to Work: Risks

Treatment

- Chemotherapy
- Extended treatment (more symptoms; more interference)
- Fatigue and depression; functional limitations
- Compromised cognitive functioning

Negative work environment

- Few accommodations during and following treatment
- Unsupportive supervisor/co-workers
- Low job satisfaction
- Physically demanding jobs

Patient

- Age
- Minority race/ethnicity
- Poor physical functioning
- Late stage at diagnosis

Interference with Job Tasks

	Breast cancer			Prostate Cancer		
Job requirements	Cancer interfered, %	95% CI	P value	Cancer interfered, %	95% CI	P value
Physical effort	49	(43.49 to 55.40)	<.001	26	(18.51 to 33.87)	<.001
Heavy lifting	62	(54.17 to 69.97)	<.001	30	(19.32 to 40.14)	<.001
Stooping	32	(26.53 to 38.45)	<.001	22	(14.42 to 29.27)	<.001
Concentration	31	(26.30 to 35.36)	<.001	12	(7.52 to 16.01)	.382
Analysis	28	(23.25 to 32.94)	<.001	9	(4.68 to 12.49)	.507
Keeping up with the pace set by others	39	(33.50, 45.04)	<.001	16	(9.70 to 21.38)	.025
Learning new things	20	(15.26 to 23.25)	.717	5	(2.19 to 8.13)	.019
Source: Bradley et al., Cancer Investigation. 2007						

Accommodations

- 87% of predominantly white, well-educated sample report having an accommodating employer
- Strong predictor of return to work and provides a health benefit
- Discrimination leads to lower return to work (Bouknight et al.)
- Low-income multi-ethnic women less likely to have an accommodating employer (Blinder et al., 2017)

Spouse Employment

- Employed spouses of women with breast cancer do not change their labor supply
 - Decrease in employment and hours worked during the active treatment period
- Men who insured their wives decreased their hours by less than men with another source of health insurance

Healthy Insurance Comparisons

- Having insurance,
- Having the 'offer' of insurance,
- Having a spouse with insurance,
- Having a spouse with the 'offer' of insurance

Fits with some of the health reform scenarios

Health Insurance

Employment-contingent health insurance incentivizes greater labor supply

Hours worked

8% to 11% difference in hours worked; "Hours lock" (ACA implications)

Options matter

Strongest evidence when comparing women who differ in dependency on their jobs for insurance, but are more similar in other characteristics

Healthy Insurance - Conclusions

- Dependency on employer for health insurance may result in loss of coverage for those who cannot continue working
- Employer-based health insurance may be associated with health sacrifices for those that continue working
- Suggests having an alternative will reduce labor supply during the 12 months following diagnosis, but will not lead to mass exodus

Implications

- Clinical
- Worksite
- Policy

Clinical

- Work outcomes as part of clinical studies
- More than quality of life
- Better symptom control
- Supportive therapies for work
 - Sleep aids, antidepressants
 - Physical therapy
 - Cognitive reconditioning

Workplace

- Health and well-being environment to provide a cancer focus
- Accommodations throughout the workforce
 - Flexible schedule, reduced hours, "special equipment" for all workers

Policy

- Options for health insurance outside of employment
- Paid sick leave

Critical in a gig economy and for low skilled workers

Acknowledgement

- Labor Market Outcomes of Cancer Survivors (R01CA86045)
 - What is the change in employment and hours worked among employed persons following breast or prostate cancer diagnosis?
- Health, Health Insurance, and Labor Supply (R01CA122145)
 - Does health insurance source alter labor supply among married, employed, and insured women treated for breast cancer?

Questions?

