



- Cervical
- Oropharyngeal
- Anal

Best Practice

- Over diagnosis of indolent tumors harms patients
- Use a screening tool for genetic cancer syndromes when indicated
- Consider a second pathology opinion for select tumors when treatment would be altered (melanoma, DCIS breast)¹

Management and Treatment Recommendations

Women’s Health

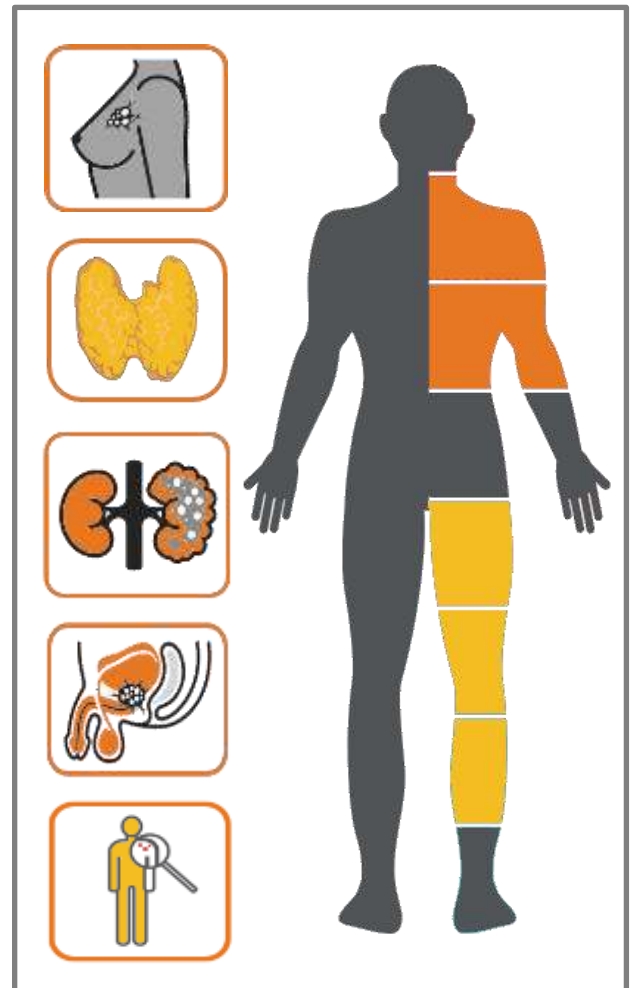
- 50% reduction in cost with no change in **breast cancer** outcomes when following the USPSTF biennial screening
- Annual screening increases false positive and biopsy rates²
- Genomic testing can reduce the need for chemotherapy in low and intermediate risk **breast cancer**³
- Do not screen patients for **thyroid cancer**⁴

Consider active surveillance:

- Papillary **thyroid cancer**⁴
- Small **renal cell cancers** in the elderly
- Gleason 6 and 3+4=7 **prostate cancer**⁵
- Cutaneous **basal cell cancers** in the very old

Choose oncologist based upon their practice patterns:

- Incorporate patient wishes around accurate discussions about prognosis and response to treatment
- Use of NCCN guidelines for imaging and therapy
- Appropriate and timely use of palliative care and hospice



Shared Decision Making

- ✓ Avoid delivery of chemotherapy in hospital owned outpatient facilities or hospital owned oncology offices
- ✓ Primary care serves an invaluable role in assisting patients with decision making late in the course of cancer therapy
- ✓ Obtain a palliative care consult for all patients with Stage III/IV cancers

¹Elmore, J. G., Nelson, H. D., Pepe, M. S., Longton, G. M., Tosteson, A. N., Geller, B., . . . Weaver, D. L. (2016). Variability in pathologists' interpretations of individual biopsy slides: A population perspective. *Annals of Internal Medicine*, 164(10), 649-655. doi:10.7326/M15-0964

²DeSantis C, Ma J, Bryan L, Jemal A. Breast cancer statistics, 2013. *CA Cancer J Clin.* 2014;64(1):52–62

³Cardoso, F., van't Veer, L. J., Bogaerts, J., Slaets, L., Viale, G., Delalogue, S., . . . Golfopoulos, V. (2016). 70-Gene signature as an aid to treatment decisions in early-stage breast cancer. *New England Journal of Medicine*, 375, 717-729. doi:10.1056/NEJMoa1602253

⁴Ito, Y., Miyauchi, A., & Oda, H. (2018). Low-risk papillary microcarcinoma of the thyroid: A review of active surveillance trials. *The Journal of Cancer Surgery*, 307-315. doi:10.1016/j.ejso.2017.03.004

⁵Nickel, B., Barratt, A., Copp, T., Moynihan, R., & McCaffery, K. (2017). Words do matter: A systematic review on how different terminology for the same condition influences management preferences. *BMJ Open*. doi:10.1136/bmjopen-2016-014129