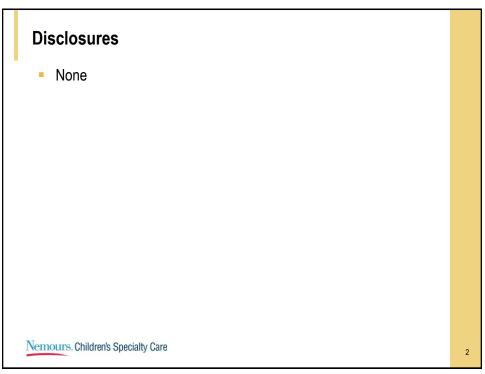
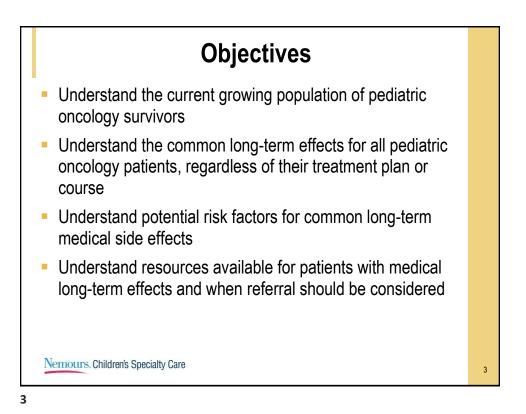
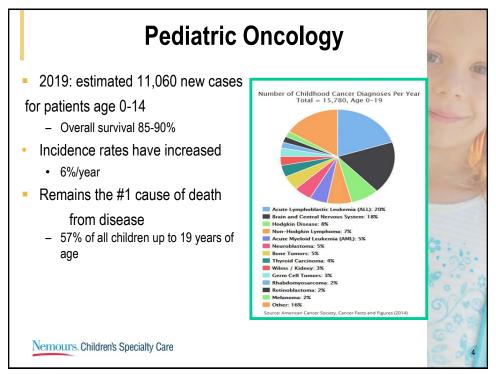


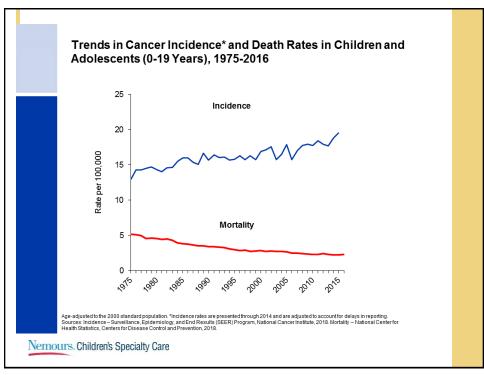
Director of Oncology Survivorship Program Pediatric Hematology/Oncology Jacksonville, FL

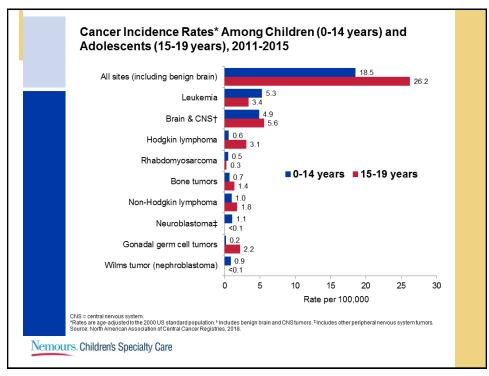
Nemours. Children's Specialty Care

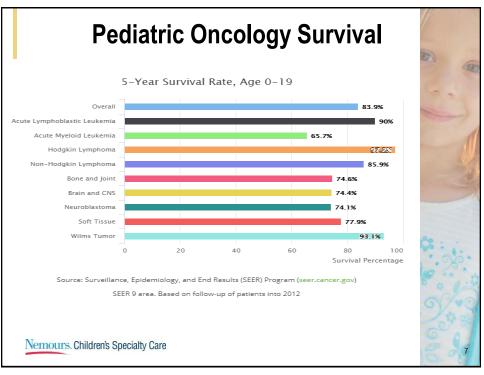


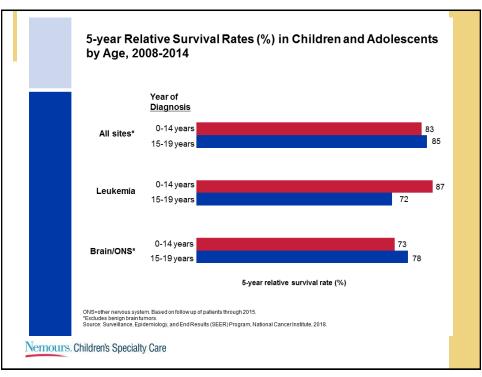


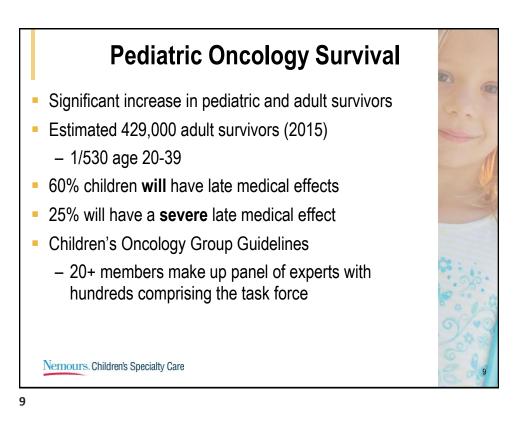














- Adverse psychosocial/quality of life effects
- Mental health disorders
- Risky behaviors
- Psychosocial disability due to pain
- Fatigue, sleep problems
- Limitations in health care and insurance access



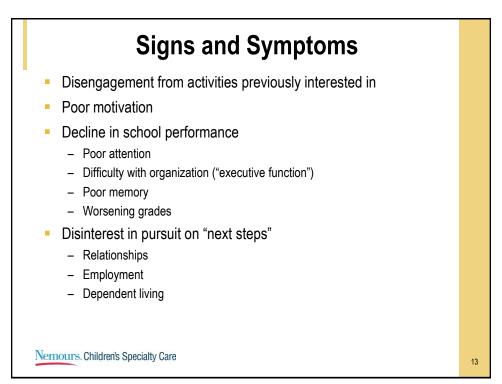
Nemours. Children's Specialty Care

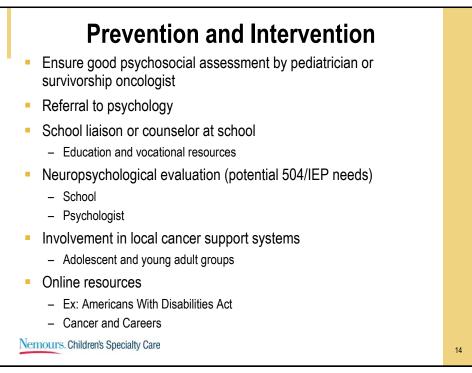
Adverse Psychosocial/Quality of Life Effects

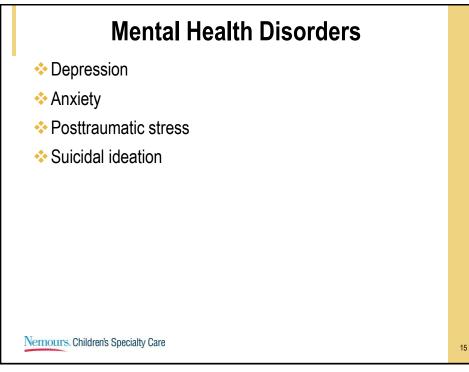
- Social withdrawal
- Educational problems
- Relationship problems
- Underemployment/unemployment
- Dependent living

Nemours. Children's Specialty Care

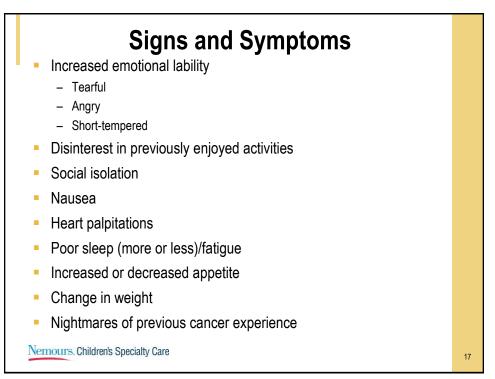
Risk Factors			
Patient	 Female sex Young age at diagnosis Family history of depression, anxiety, or mental illness 	 Lower household income Lower educational achievement Failure to graduate high school 	5
Cancer/treatment	Bone tumorCNS tumor	 CNS-directed therapy History of hematopoietic cell transplant 	
Premorbid/comorbid medical conditions	 Neurocognitive problems Depression Physical limitations Seizures 	 Scarring or disfigurement Vision loss Hearing loss Premorbid learning or emotional difficulties 	3
Nemours. Children's Specialty Care			12



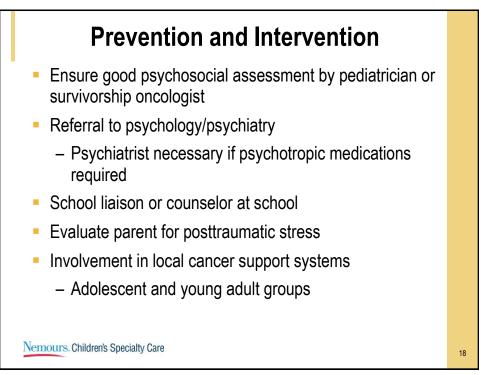


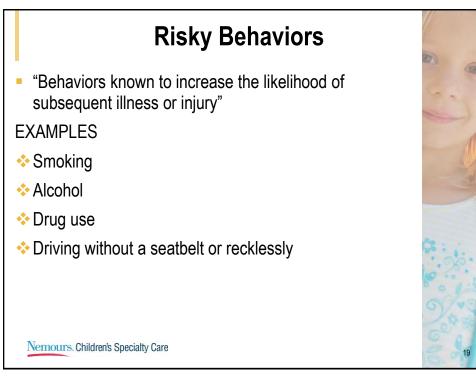


Risk Factors			
Patient	 Female sex Family history of depression, anxiety or mental illness Not in a relationship Poor social support Perceived poor physical health 	 Lower household income Lower educational achievement Failure to graduate high school Unemployment No health insurance 	
Cancer/treatment	CNS tumor	 CNS-directed therapy History of hematopoietic cell transplant 	¢:
Premorbid/comorbid medical conditions	Chronic painPermanent hair loss	 Scarring or disfigurement Premorbid learning or emotional difficulties 	1
Nemours. Children's Specialty Care			16

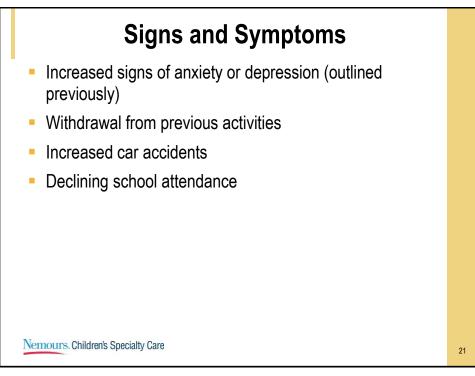




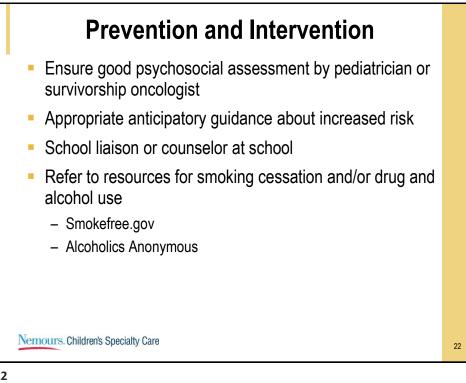


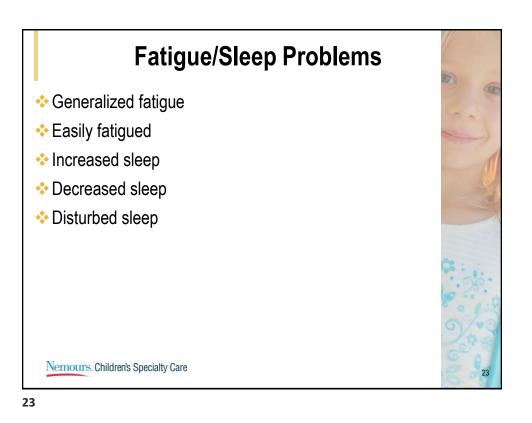


Risk Factors			
Patient	 Adolescent/young adult (at diagnosis or follow-up) Male sex 	 Lower household income Lower educational achievement Psychological distress 	150
Cancer/treatment	• None		
Premorbid/comorbid medical conditions	• None		·····
Nemours. Children's S	pecialty Care		20

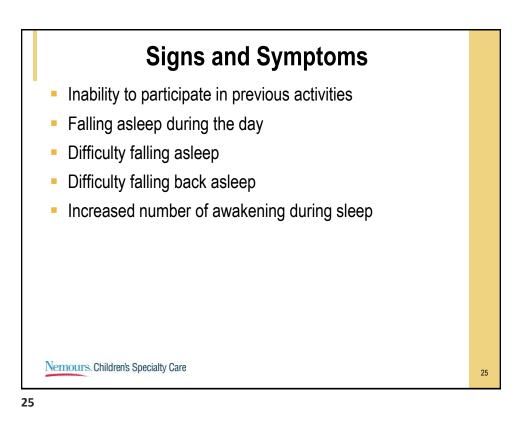


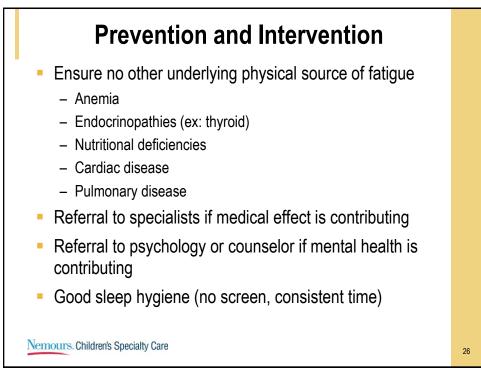






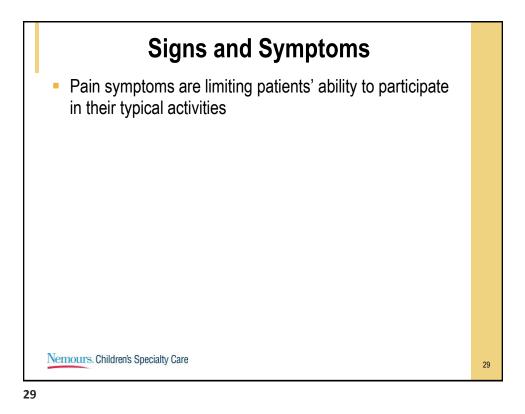
	Risk Fact	ors	
Patient	None		S.
Cancer/treatment	CNS tumor	Pulmonary radiation	
Premorbid/comorbid medical conditions	DepressionObesity	History of sleep disturbance	····
Nemours. Children's S	Specialty Care		24

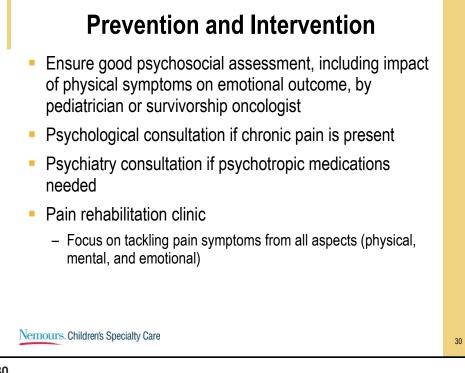






Risk Factors			6
			60
Patient	Female sex		
Cancer/treatment	CNS tumorHodgkin lymphomaVincristine exposure	 Amputation Limb-sparing surgery Radiation to bone/joint	
Premorbid/comorbid medical conditions	History of osteonecrosis		*
Nemours. Children's S	pecialty Care		28





Limitations in Health Care and Insurance Access

- Finding a physician that is comfortable managing a more complicated young patient
- Ongoing copays
- Multiple visits/tests
 - With escalating costs when patients' income is little to small
- Transition of insurance at certain age/life point
 - Already established condition \rightarrow potential increased cost



Nemours. Children's Specialty Care

Risk Factors			
Patient	Unemployment	 Lower household income Lower educational achievement 	2 5 1
Cancer/treatment	 Testicular cancer Higher cumulative alkylators (ex: cyclophosphamide, ifosfamide) Combinations of alkylators 	 Treatment with MOPP Cyclophosphamide for conditioning for transplant with radiation to abdomen/pelvis, tests, brain Unilateral orchiectomy 	
Premorbid/comorbi d medical conditions	• None		2. 10 m
Nemours. Children's Specialty Care			32

