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Depicted on the cover are two of the components of this symposium which emphasize the problem being addressed. The graph at the top, taken from the report by Devesa et al. (this Supplement, pp. 5432s–5440s), documents the consistent rise in non-Hodgkin’s lymphoma incidence for the past two decades. The photomicrograph at the bottom depicts a diffuse large cell lymphoma of monoclonal B-cell phenotype, one of the aggressive lymphomas contributing significantly to the non-Hodgkin’s lymphoma increase. This tumor’s name is derived from the resemblance of the tumor cells to large non-cleaved follicular center cells. Large cell lymphoma is one of the most common non-Hodgkin’s lymphoma subtypes, accounting for approximately 20% of all cases (photomicrograph courtesy of Dr. Elaine Jaffe, National Cancer Institute, NIH, Bethesda, MD).