11,826 articles identified through database searching (core clinical journals on PUBMED published in 2010)

11,672 articles excluded on title or abstract

154 full-text of articles assessed for eligibility

76 of full-text articles excluded

Reasons for exclusion:
- 24 used random split-sample
- 12 used bootstrapping
- 12 not validation
- 7 used cross-validation/jack-knife
- 4 not a model
- 17 for other reasons (including neural networks, gene signature, model development only)

78 articles eligible for review
- 21 articles describing the development and external validation of 1 or more prediction models
- 12 articles describing the development and temporal validation of a prediction model
- 45 articles describing only the validation of an existing prediction model

Journals (n = 38)
- Cancer (6 articles)
- Annals of Thoracic Surgery (5 articles)
- Remaining 18 journals (1 article each)