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### Estimating Heterogeneous Take-up and Crowd-Out Responses to Marginal and Non-Marginal Medicaid Expansion

by John C. Ham, Serkan Ozbeklik, Lara Shore-Sheppard  
(June 2011)

**Abstract:**

We use a linear probability model with interactions and a switching probit model (SPM) to estimate heterogeneous effects of Medicaid expansions on Medicaid take-up, private insurance coverage and crowd-out. Specifically, we estimate: i) LATEs; ii) ATETs for the currently eligible; and iii) ATETs for those made eligible by a non-marginal (counterfactual) expansion in Medicaid eligibility. Both estimation methods can control for observable differences across individuals, while SPM can also control for unobservable differences. For Medicaid take-up and private insurance coverage, the effects are precisely estimated and differ dramatically across demographic groups, but this is less true for the crowd-out estimates.

**Text:** See [Discussion Paper No. 5779](#)

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