Initial search Aug 2010 n=8145  
Update April 2012 n=2938  
Hand search n=9  
**Total identified citations n=11092**

**Titles and abstracts reviewed: first round (n=11092)**  
Excluded:  
- Duplicates n=220  
- Not relevant population n=4649  
- No medication use data n=1445  
- Non-human or cellular studies n=533  
- Not relevant to research question =1295  
- Review articles, letters, abstracts, uncontrolled studies n=1650

**Titles and abstracts reviewed: second round (n=1300)**  
Excluded:  
- Duplicates n=3  
- Not relevant population n=397  
- No medication use data n=47  
- Review articles, letters, abstracts, uncontrolled studies n=32  
- Other n=58

**Complete articles reviewed (n=763)**  
Excluded:  
- No rural urban comparison n=520  
- No cardiovascular medication use data n=32  
- Wrong population n=58  
- Wrong study design n=36  
- Abstract n=59  
- Duplicate n=5  
- Data included in another publication n=1

**Articles included for review n=52 (51 unique studies)**  
Studies included in meta-analyses: 36