

Appendix 1. Specific Angiotensin-Converting Enzyme Inhibitors Dispensed During the First Trimester in the Hypertension-Restricted Cohort

Generic drug names	Frequency
Amlodipine besylate/benazepril hcl	252
Benazepril hcl	204
Benazepril hcl/hydrochlorothiazide	48
Captopril	37
Captopril/hydrochlorothiazide	<11
Enalapril maleate	252
Enalapril maleate/hydrochlorothiazide	30
Fosinopril sodium	64
Fosinopril sodium/hydrochlorothiazide	<11
Lisinopril	1111
Lisinopril/hydrochlorothiazide	326
Moexipril hcl	<11
Moexipril hcl/hydrochlorothiazide	15
Perindopril erbumine	<11
Quinapril hcl	97
Quinapril hcl/hydrochlorothiazide	<11
Ramipril	137
Trandolapril	13
Trandolapril/verapamil hcl	12

*Cell sizes less than 11 can not be shown in accordance with the data use agreement

Bateman BT, Patorno E, Desai RJ, Seely EW, Mogun H, Dejene SZ, et al. Angiotensin-converting enzyme inhibitors and the risk of congenital malformations. *Obstet Gynecol* 2017;129.

The authors provided this information as a supplement to their article.

Appendix 2. International Classification of Diseases, 9th Edition, Codes Used to Define the Presence of Malformations

Malformation Group	ICD-9 Code
1. Central Nervous System	740.xx-742.xx
2. Eye Anomalies	743.xx (exclude if only 743.6x and 743.8x)
3. Ear Anomalies	744.xx (exclude if only 744.1x, 744.21, 744.29, and 744.4x-744.9x)
4. Cardiovascular Anomalies	745.xx-747.xx (exclude if only 745.5 AND preterm, 746.02 AND preterm, 746.4x, 746.6x, 746.99, 747.0x and preterm, 747.3 and preterm, 747.5x)
5. Other vascular (non-cardiac)	747.6x-747.9x (exclude if only 747.83)
6. Respiratory malformations	748.xx (do not count if only 748.1x)
7. Oral cleft	749.xx
8. Gastrointestinal	750.xx-751.xx (do not count if only 750.0x, 750.1x, 750.50, 751.0x)
9. Genital (male and female)	752.xx-753.xx (do not count if only 752.42, 752.52) (in addition, do not count 752.5x if preterm)
10. Urinary	753.xx (do not include if only 753.7x)
11. Musculoskeletal (no limbs, includes omphalocele ad gastroschisis)	754.xx and 756.xx (do not count if only 754.3x, 754.81, 754.82, 756.2x)
12. Limb defects	755.xx (exclude if only 755.65)
13. Other	757.xx; 759.xx (excl if only 757.2-757.6, 759.81-759.83)

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Appendix 3. International Classification of Diseases, 9th Edition, Code Used to Define the Presence of Chronic Hypertension

	ICD-9 Code
Chronic hypertension	401.x-405.x, 642.0x-642.2x, 642.7x, 642.9x

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