

*Doiron et al. The sublingual vaccine MV140 is dominant over prophylactic antibiotics for the prevention of recurrent, uncomplicated urinary tract infections in adult women: A cost-utility analysis*

**APPENDIX**

<b>Supplementary Table 1. Unit costs used in the economic analysis</b>		
<b>Medication costs</b>		
<b>Medication</b>	<b>Dosage (use)</b>	<b>Unit cost</b>
MV140, 9 mL vial, dose 18 mL/3 months	18 mL/3 months (prophylactic)	\$600.00 <sup>1</sup>
Intravenous cefotaxime, 1 g	1 g TID (pyelonephritis)	\$8.33 <sup>1</sup>
Oral cephalexin, 250 mg	250 mg QD (prophylactic)	\$0.09 <sup>1</sup>
Intravenous ciprofloxacin, 500 mg	500 mg BID (pyelonephritis)	\$0.58 <sup>1</sup>
Oral ciprofloxacin, 250 mg	250 mg BID (acute UTI) 500 mg BID (pyelonephritis)	\$0.50 <sup>1</sup>
Oral fosfomycin, 3 g	3 g once (acute UTI) 3 g/10 days (prophylactic)	\$14.03 <sup>1</sup>
Intravenous meropenem, 500 mg	500 mg TID (acute UTI) 500 mg TID (pyelonephritis)	\$24.00 <sup>1</sup>
Oral nitrofurantoin, 100 mg	100 mg BID (acute UTI) 100 mg QD (prophylactic)	\$0.23 <sup>1</sup>
Intravenous piperacillin/ tazobactam, 3.38 g	3.38 mg QID (pyelonephritis)	\$15.20 <sup>1</sup>
Oral TMP, 100 mg	100 mg QD (prophylactic)	\$0.26 <sup>1</sup>
Oral TMP/SMX, 80/400 mg	40/200 mg QD (prophylactic)	\$0.11 <sup>1</sup>
Oral TMP/SMX, 160/800 mg	160/800 mg BID (acute UTI)	\$0.21 <sup>1</sup>
<b>Tests and medical visits</b>		
<b>Parameter</b>		<b>Unit cost</b>
Abscess surgery		\$6577.60 <sup>2</sup>
Community pharmacist time (one hour)		\$59.06 <sup>3</sup>
Complete blood count		\$3.98 <sup>4</sup>
Creatinine test		\$1.28 <sup>4</sup>
Culture (blood)		\$14.66 <sup>4</sup>
Cystoscopy		\$217.44 <sup>5</sup>
Emergency room visit		\$367.44 <sup>6</sup>
General practitioner visit		\$45.90 <sup>5</sup>
Hospital stay (pyelonephritis)		\$9600.88 <sup>7</sup>
Imaging (pelvic ultrasound)		\$75.30 <sup>5</sup>
Imaging (renal ultrasound)		\$49.65 <sup>5</sup>
Urinalysis		\$2.15 <sup>4</sup>
Urine culture		\$10.34 <sup>4</sup>
Urologist visits		\$56.40 <sup>5</sup>
<b>Adverse events</b>		
Abdominal pain/dyspepsia		\$84.85 <sup>5</sup>
Diarrhea		\$84.85 <sup>5</sup>
GI symptoms (nausea)		\$84.85 <sup>5</sup>

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Lower respiratory tract infection	\$84.85 <sup>5</sup>
Pain (500 mg acetaminophen 1/day, 10 days)	\$85.14 <sup>1,5</sup>
Pruritus	\$84.85 <sup>5</sup>
Skin rash (hydrocortisone cream 4 weeks)	\$85.94 <sup>1,5</sup>
Vaginal/oral candidiasis (100 mg fluconazole 1/day, 14 days)	\$116.90 <sup>1,5</sup>
<b>Lost productivity parameters</b>	
Hourly wage for adult females (+13% benefit, 4.8% vacation pay)	\$29.25 <sup>8</sup>
Employment rate for adult females aged 25-54	80.6% <sup>9</sup>

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