Appendix A: An overview per disease of the distribution and source of the input parameters and a graphical representation of the output of the model

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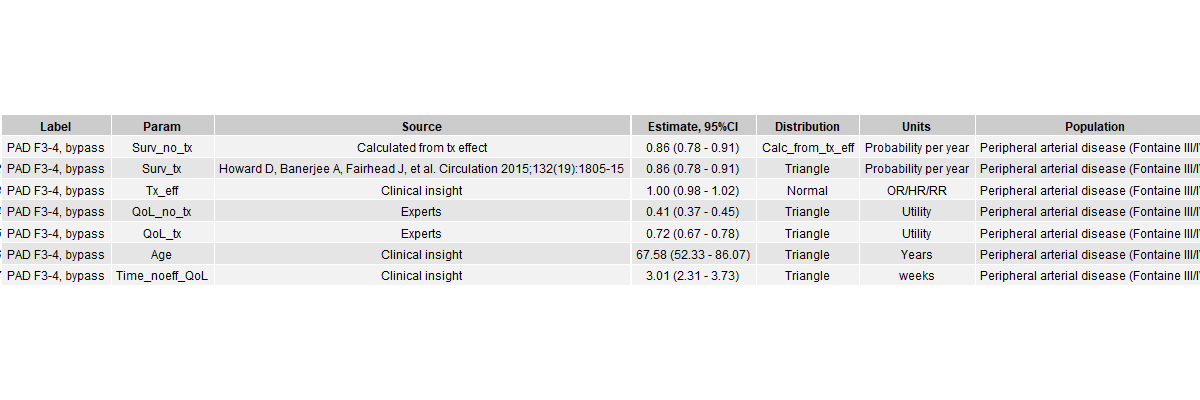
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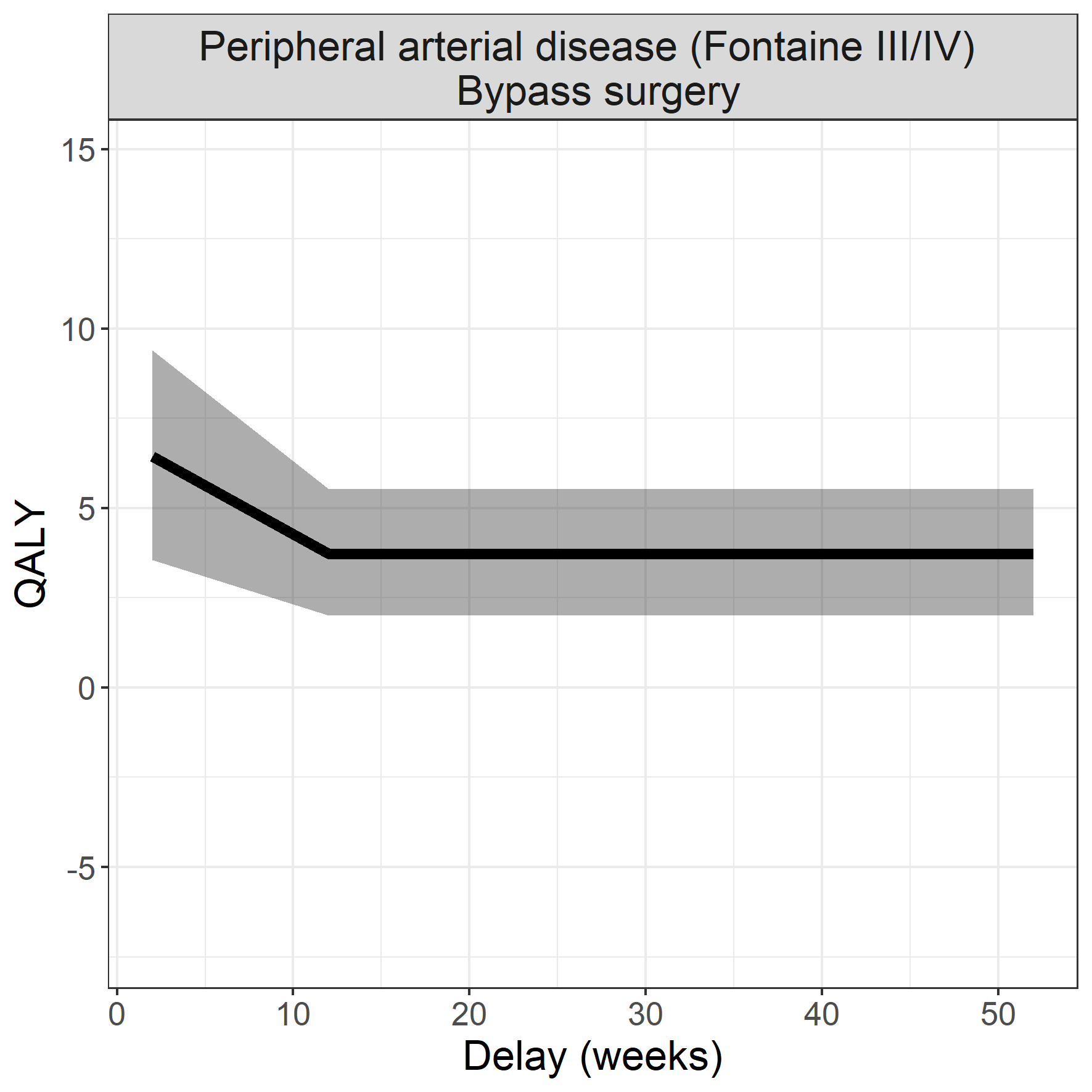
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## Peripheral arterial disease (Fontaine III/IV)

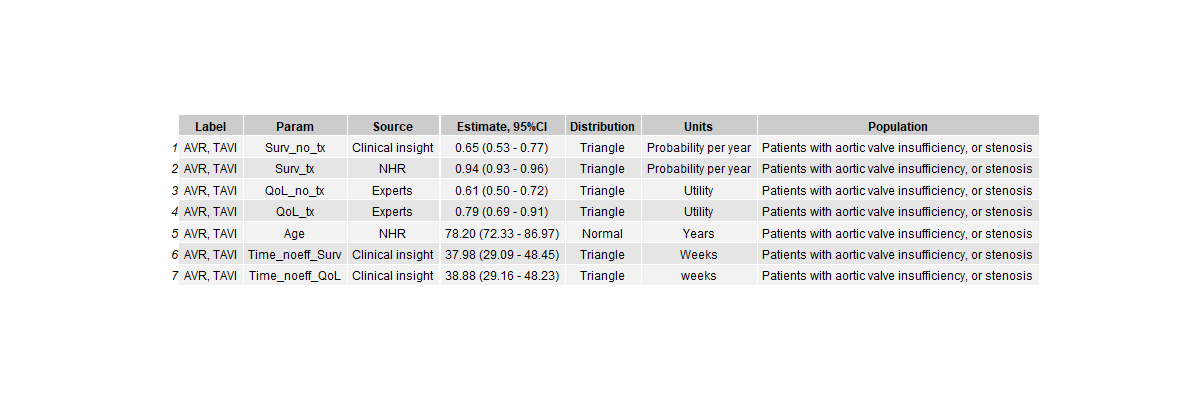
### Surgical procedure: Bypass surgery

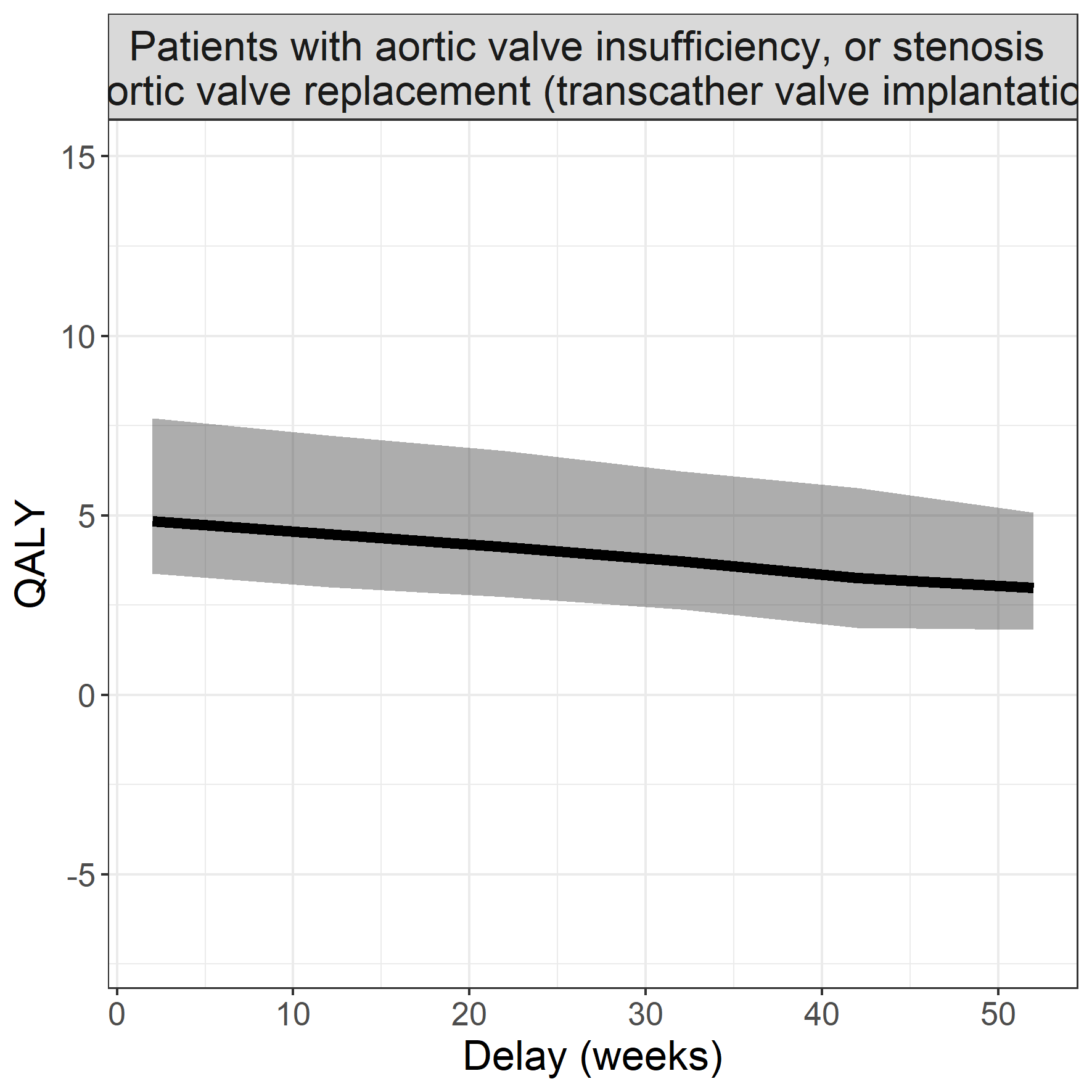




## Aortic valve insufficiency or stenosis

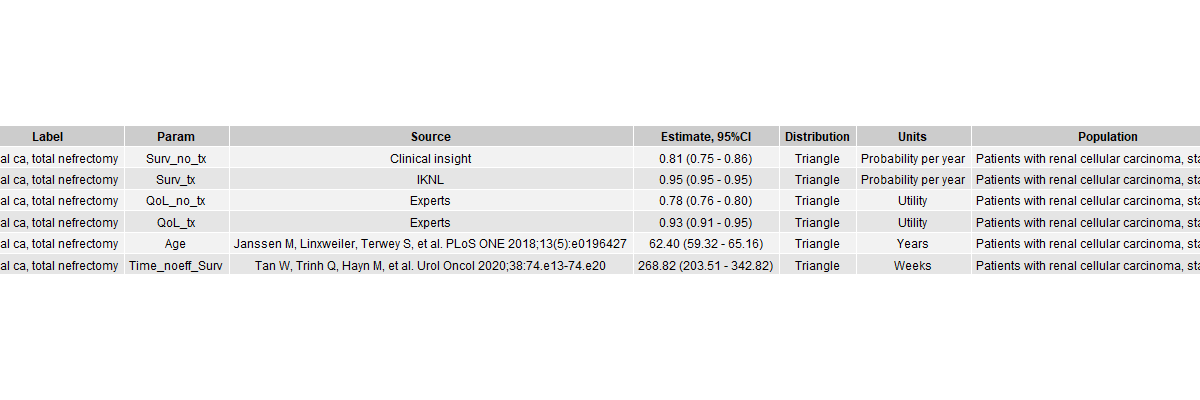
### Surgical procedure: Aortic valve replacement (transaortic valve implantation)

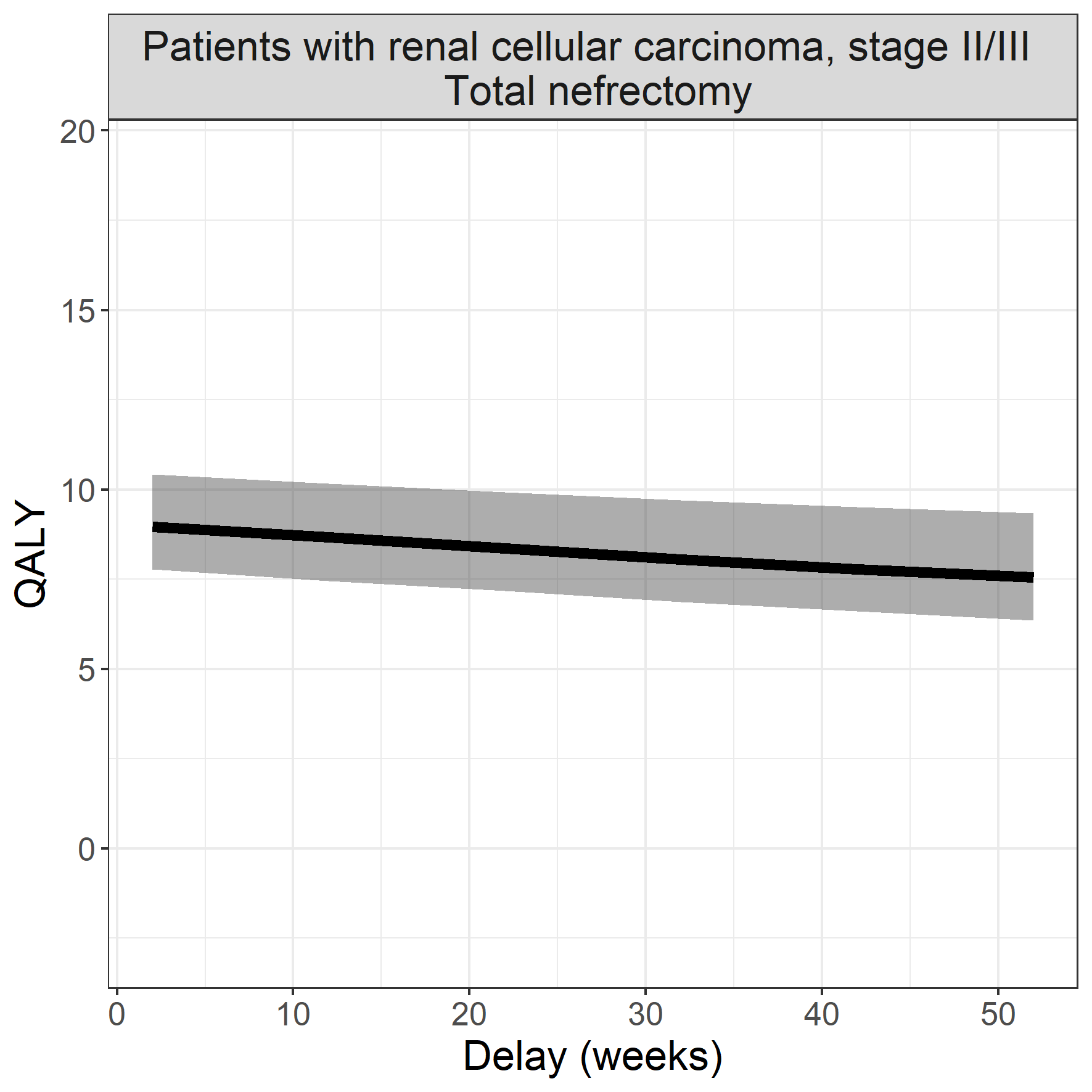




## Renal cellular carcinoma, stage II/III

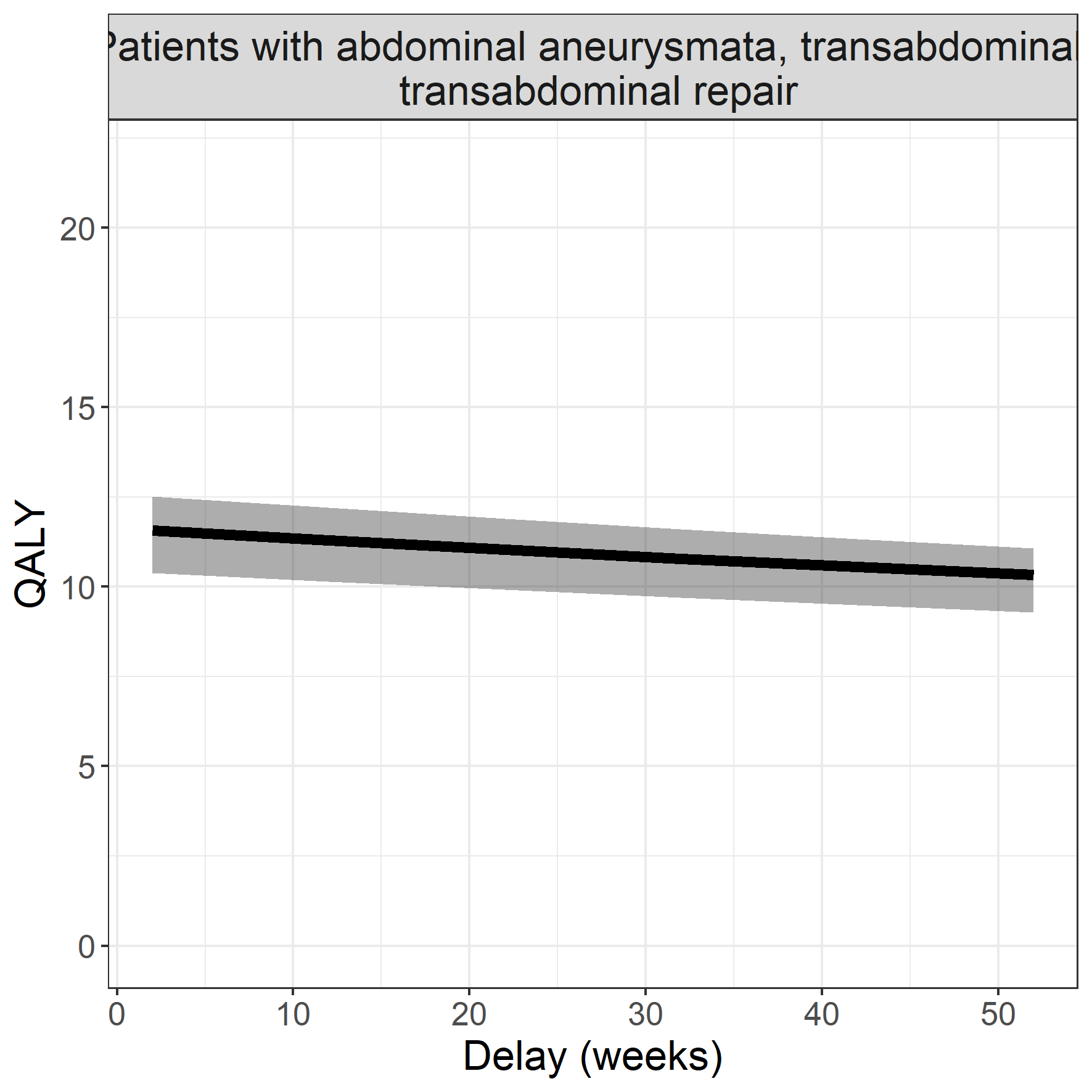
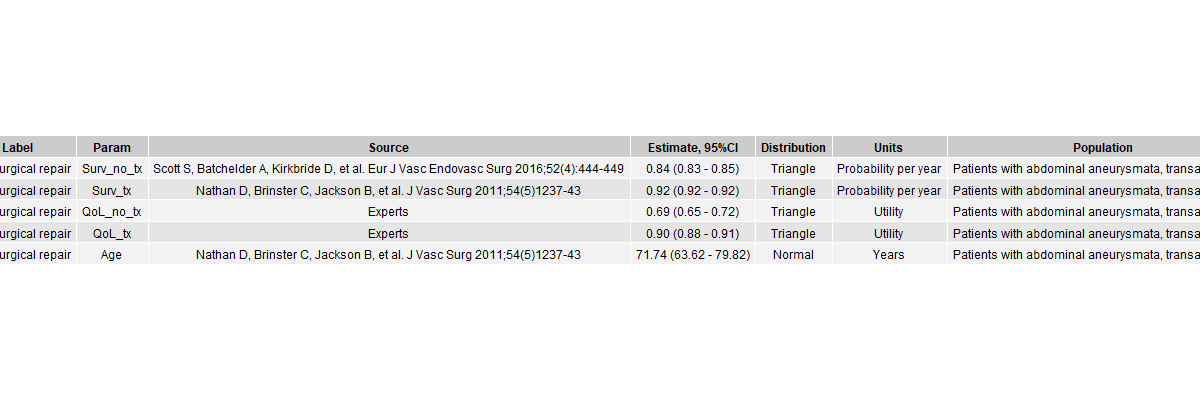
### Surgical procedure: Total nefrectomy





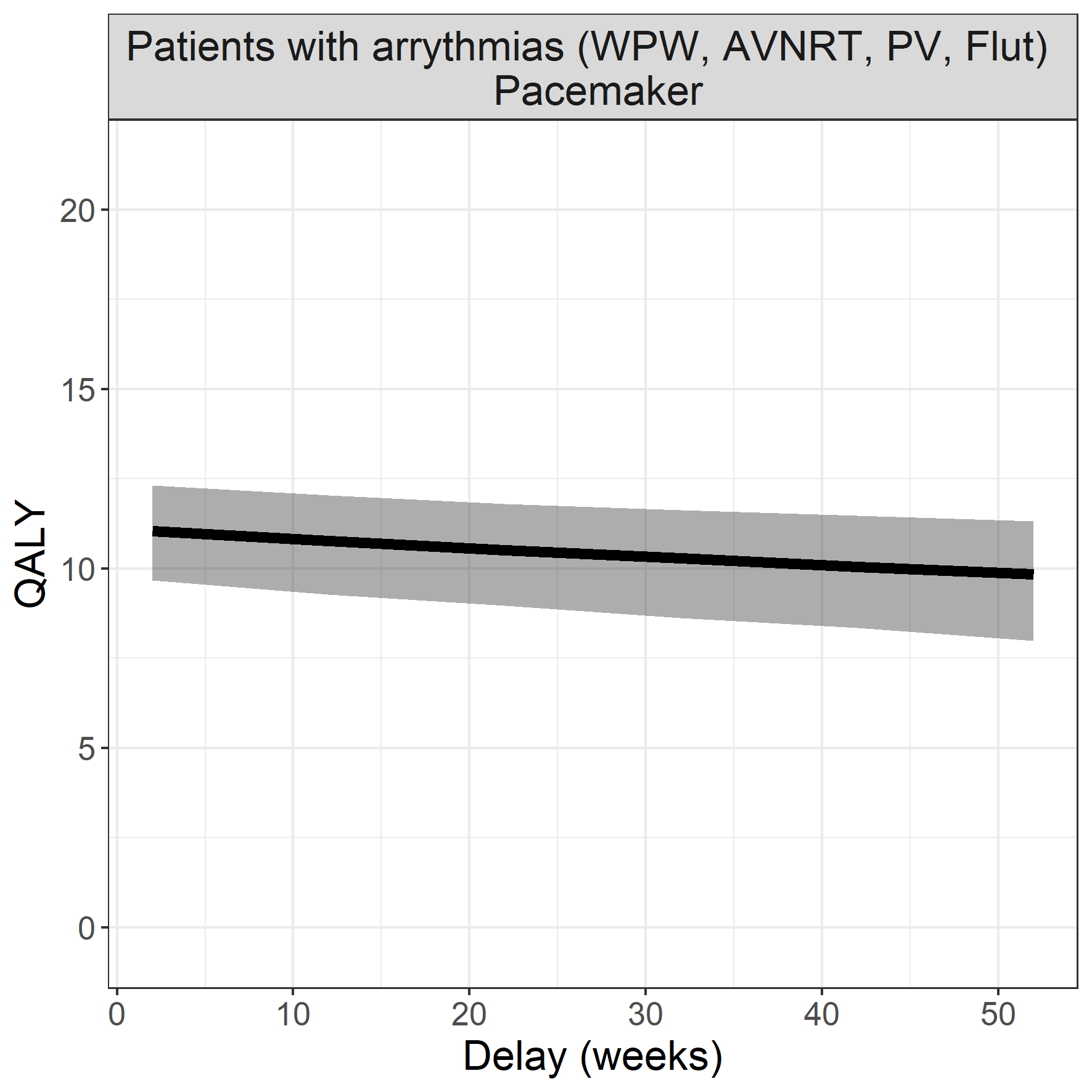
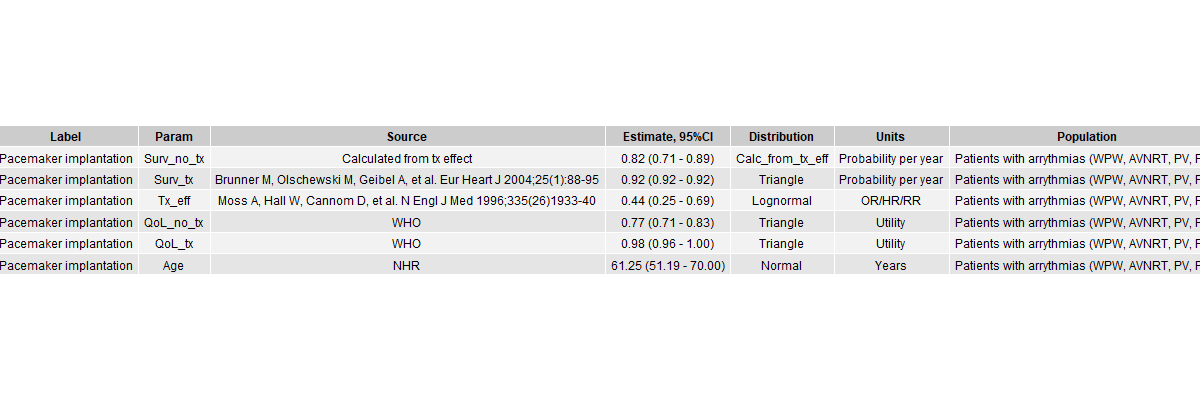
## Abdominal aneurysma of the aorta

### Surgical procedure: transabdominal repair



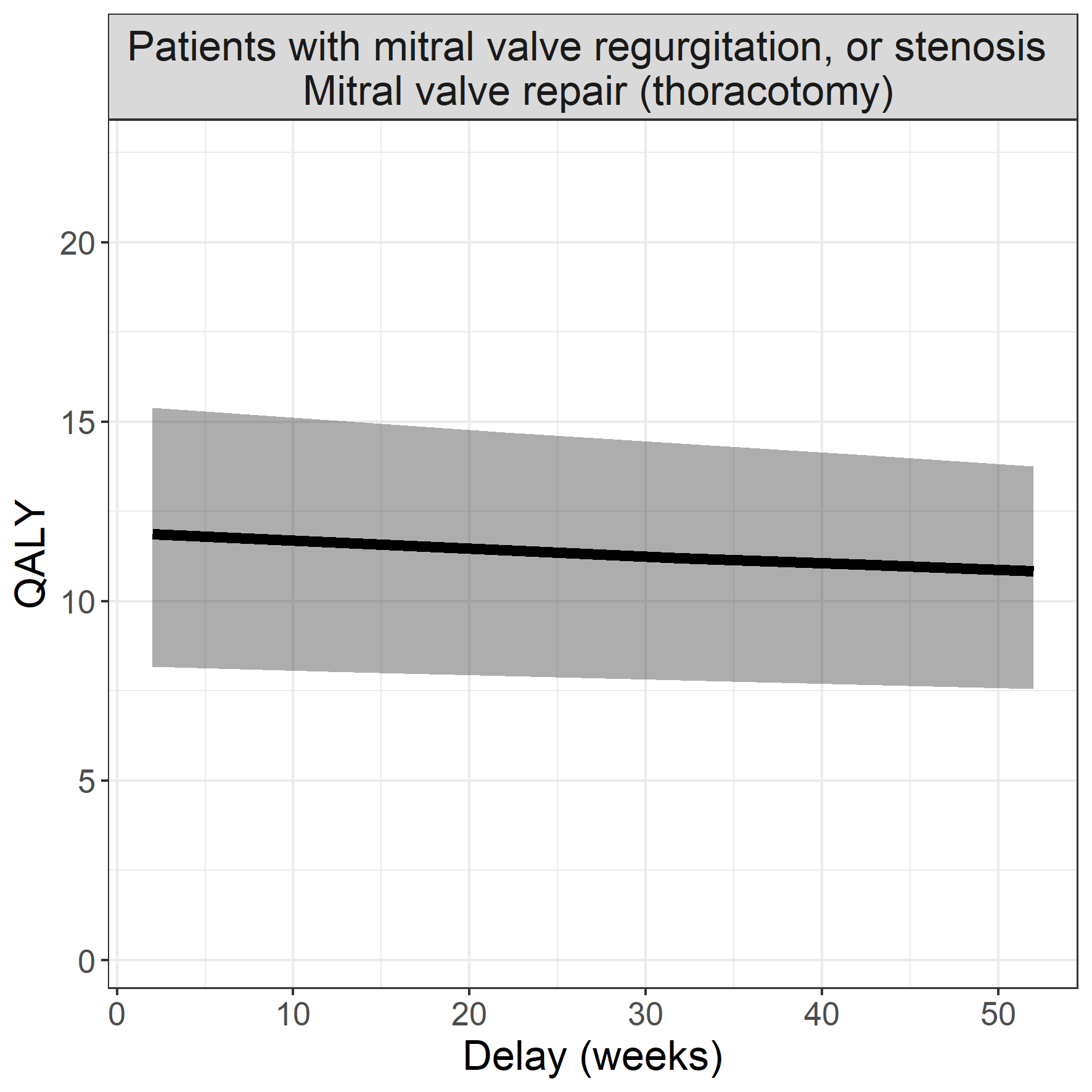
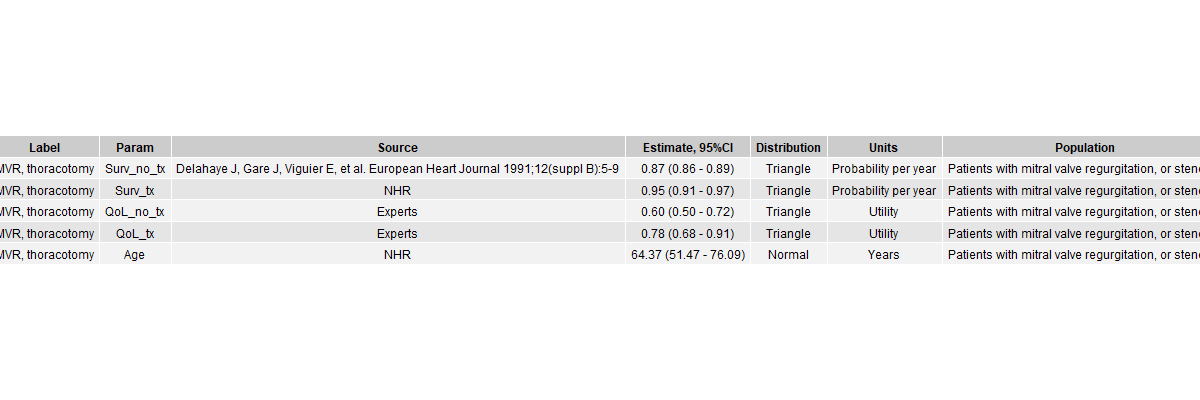
## Arrythmias (Wolf-Parkinson White, AV-nodal re-entry tachycardia, Flutter)

### Surgical procedure: pacemaker



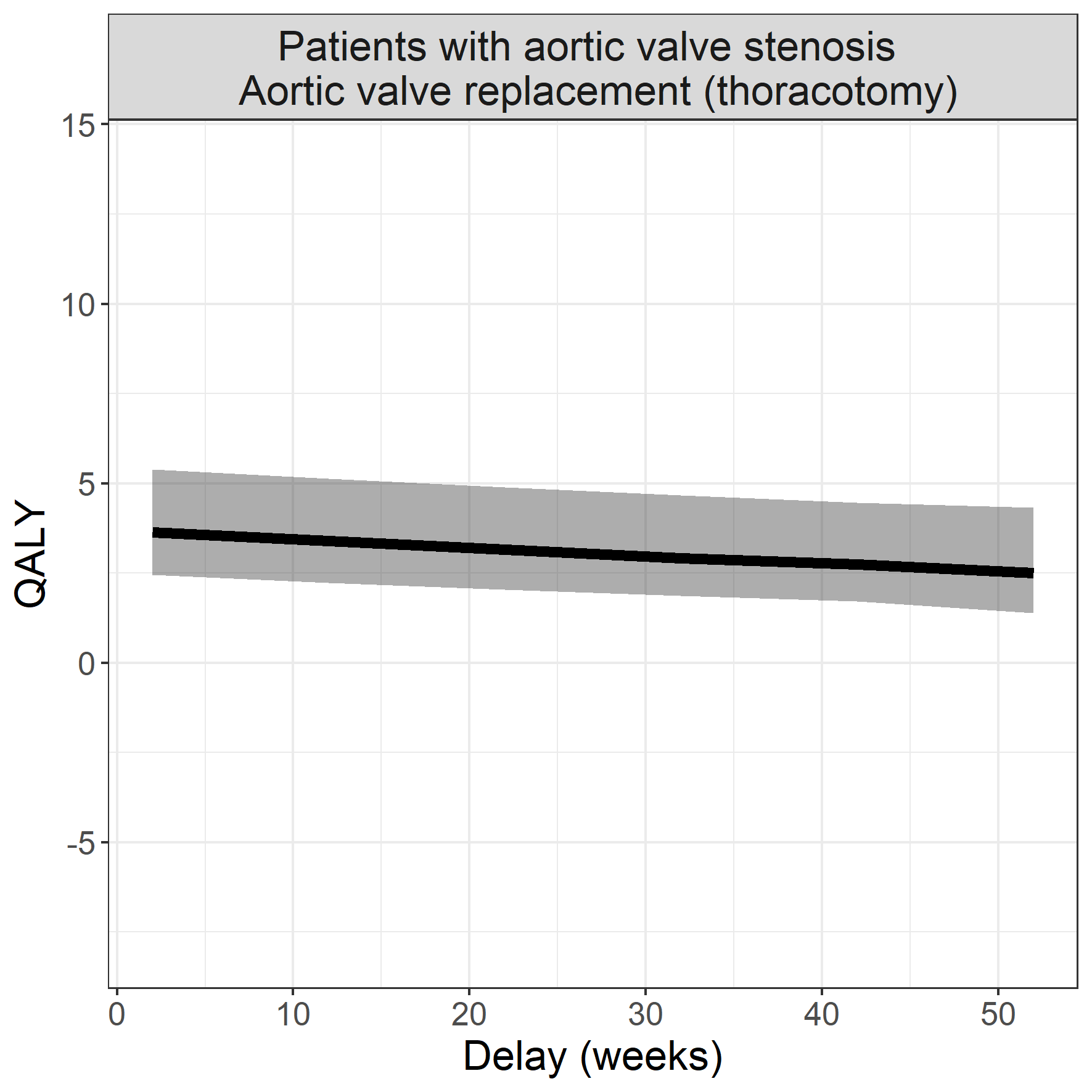
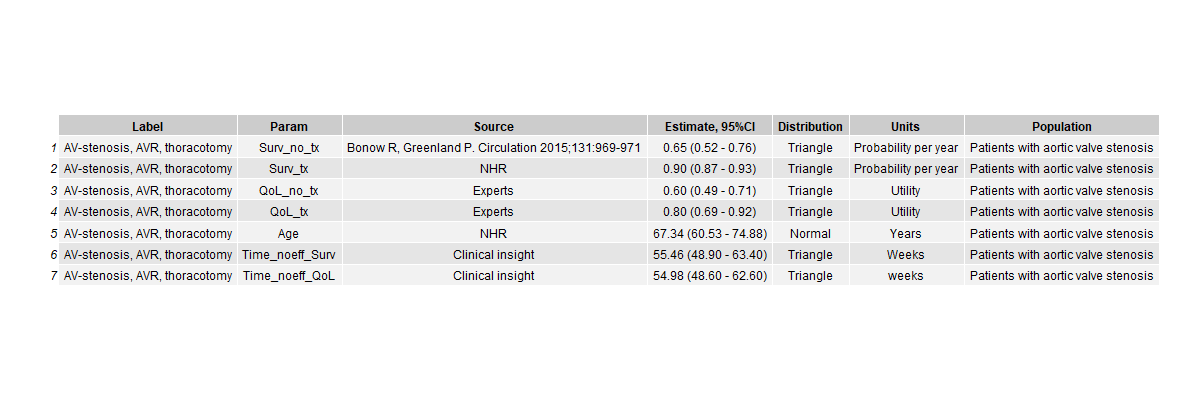
## Mitral valve regurgitation or stenosis

### Surgical procedure: mitral valve replacement (thoracotomy)



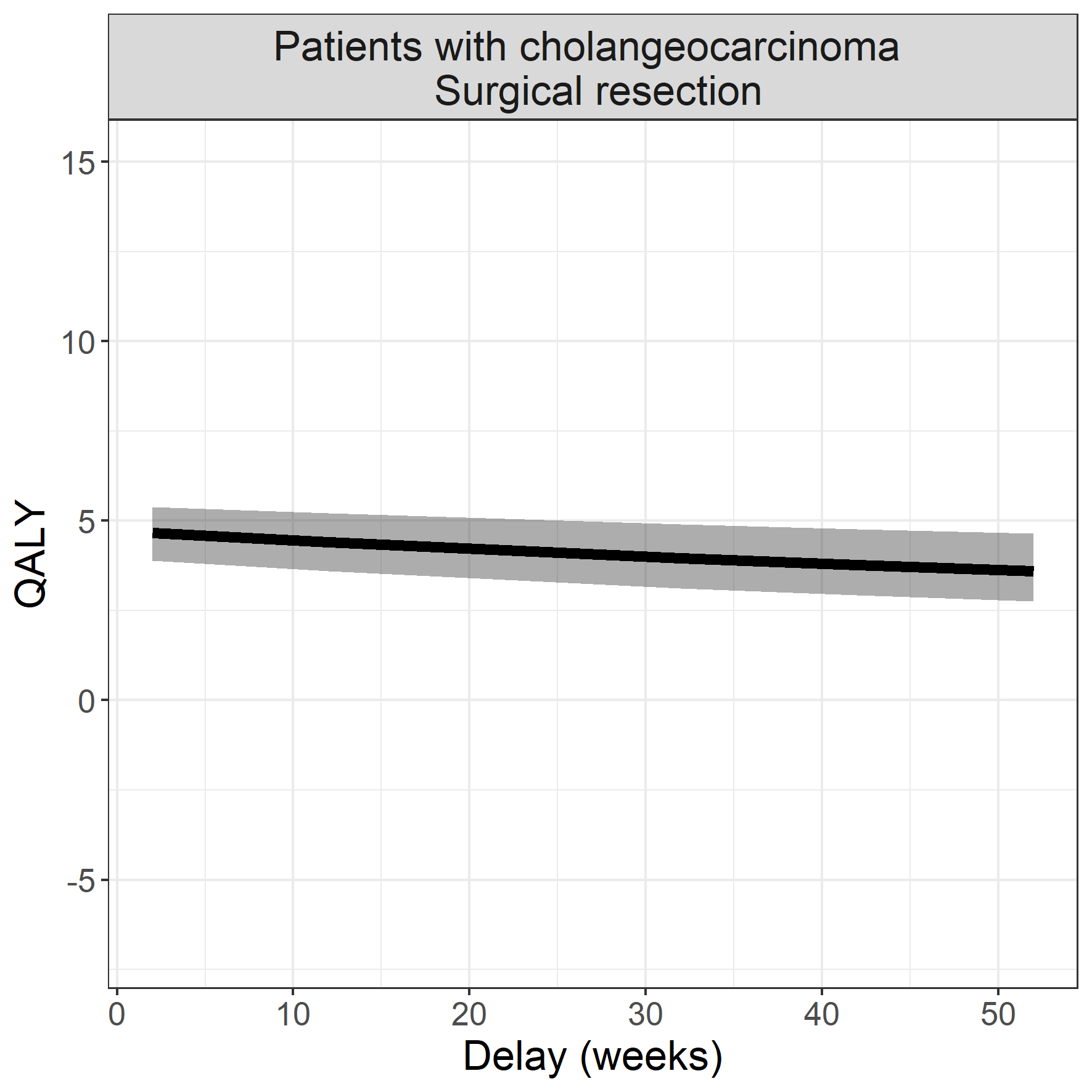
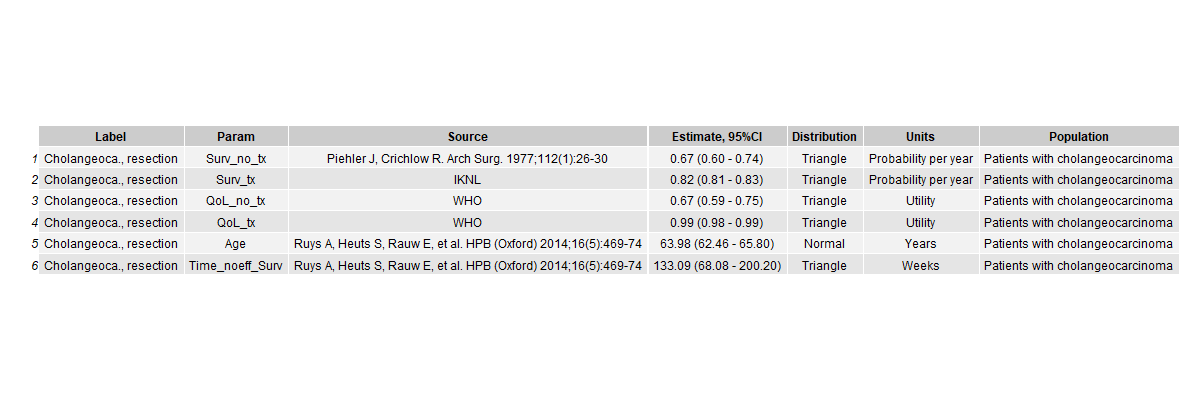
## Aortic valve stenosis

### Surgical procedure: aortic valve replacement (thoracotomy)



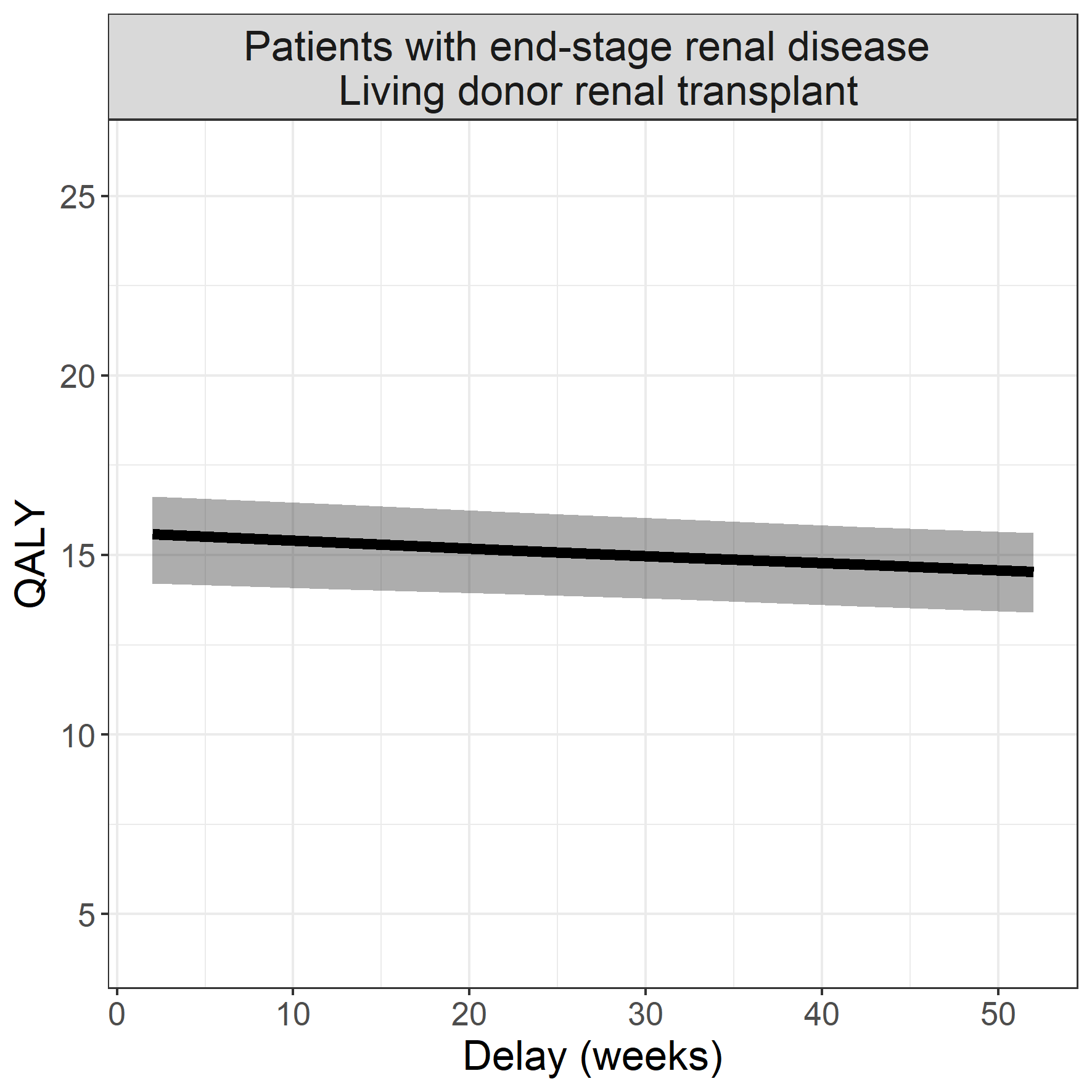
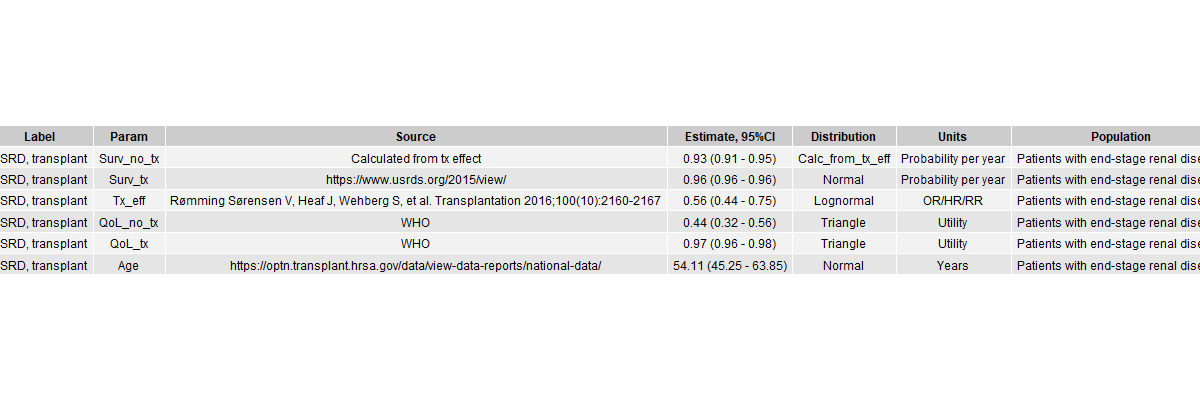
## Cholangeocarcinoma

### Surgical procedure: surgical resection



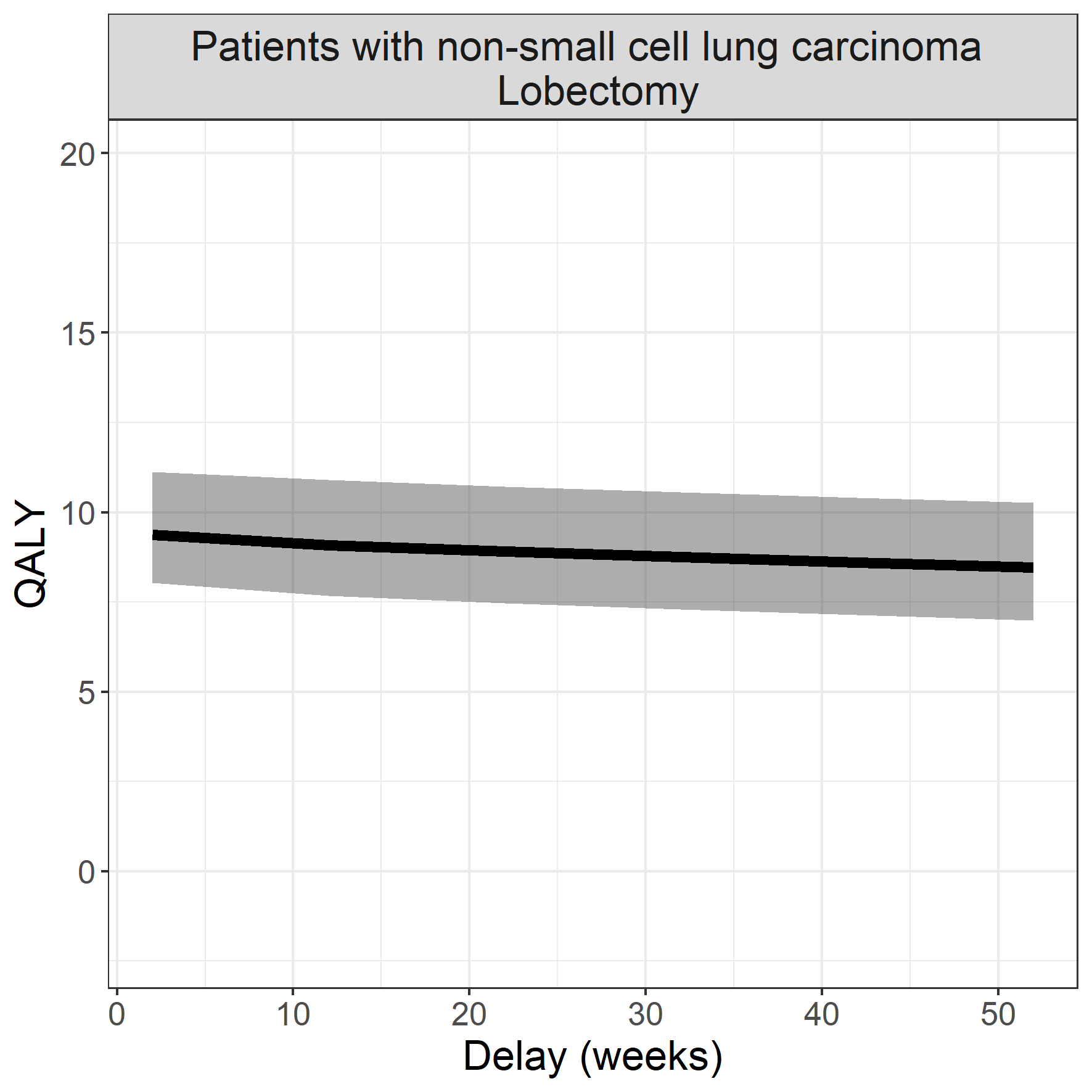
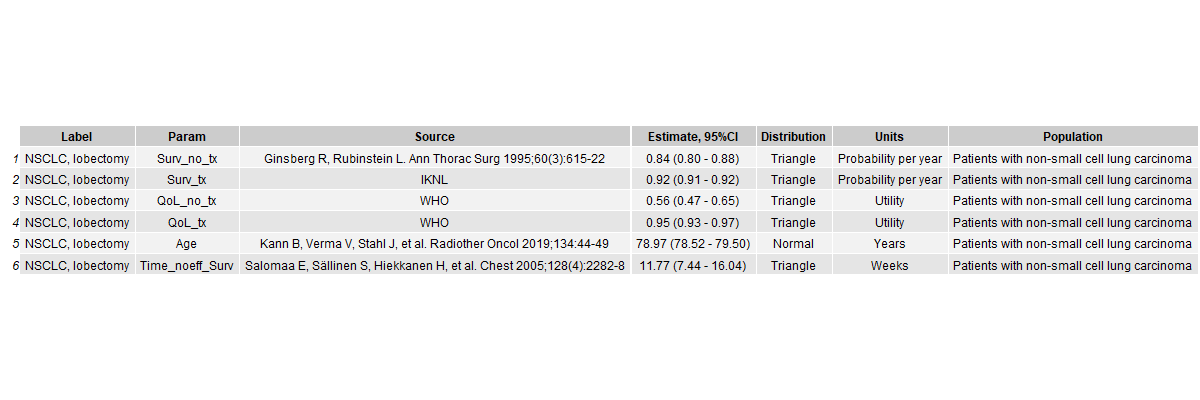
## End-stage renal disease

### Surgical procedure: living donor kidney transplant



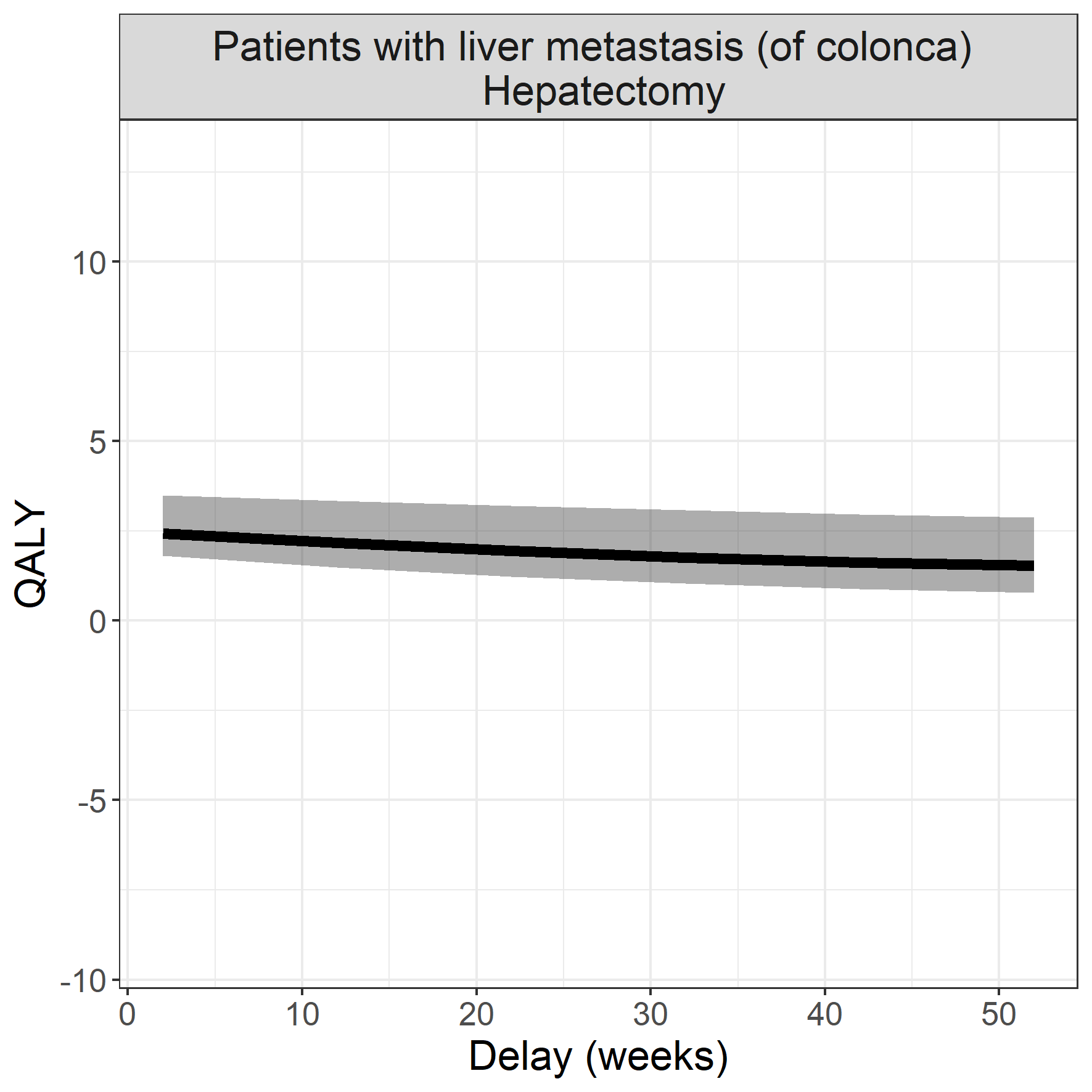
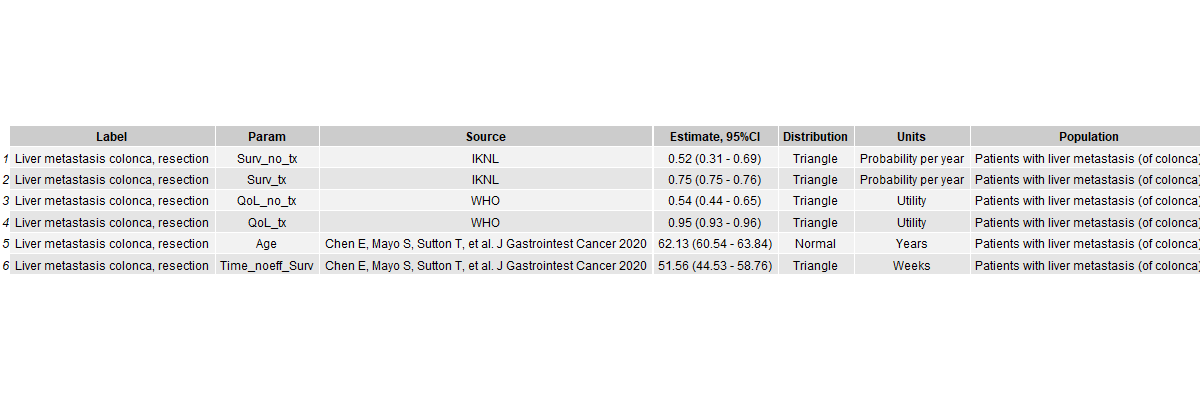
## Non-small cell lung carcinoma

### Surgical procedure: lobectomy



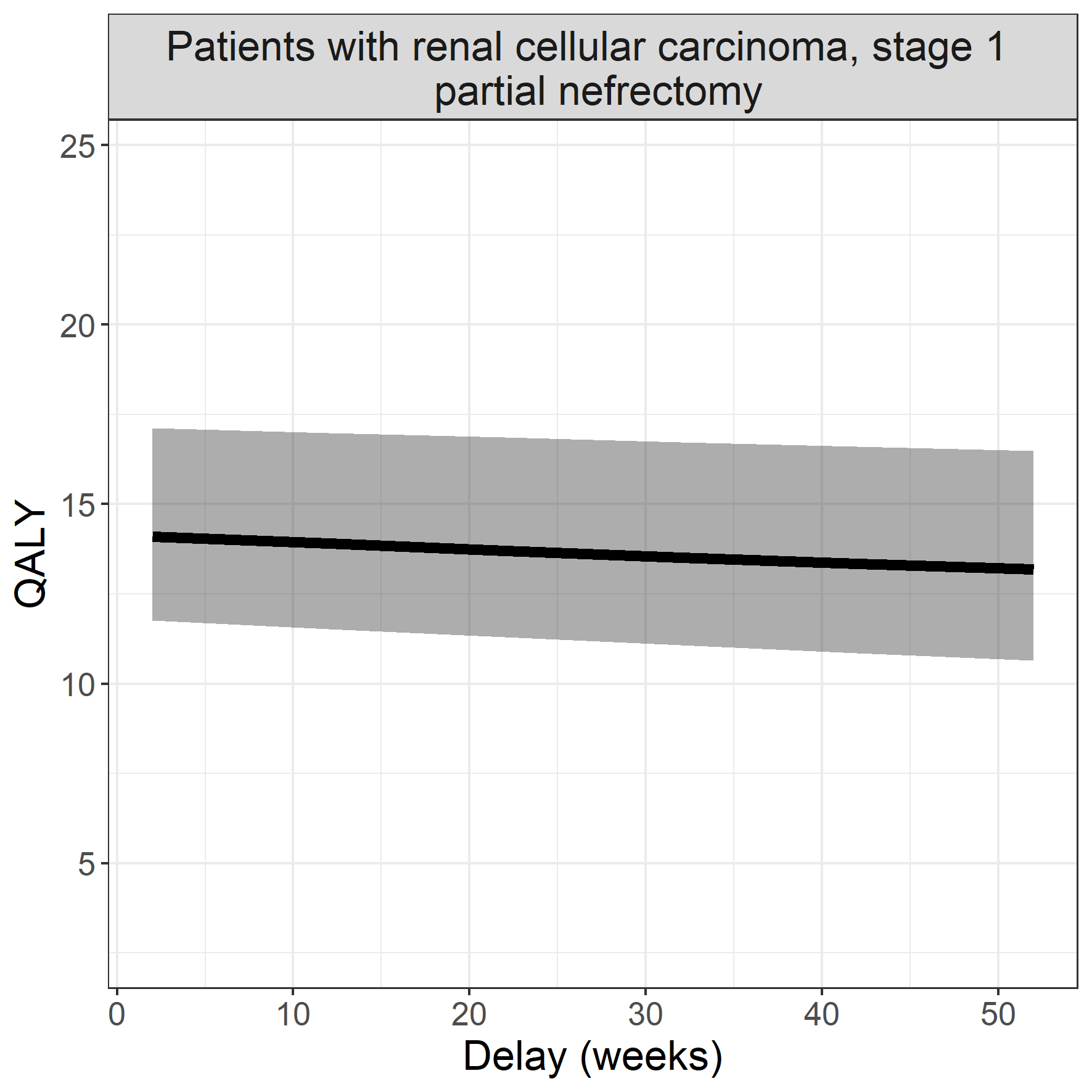
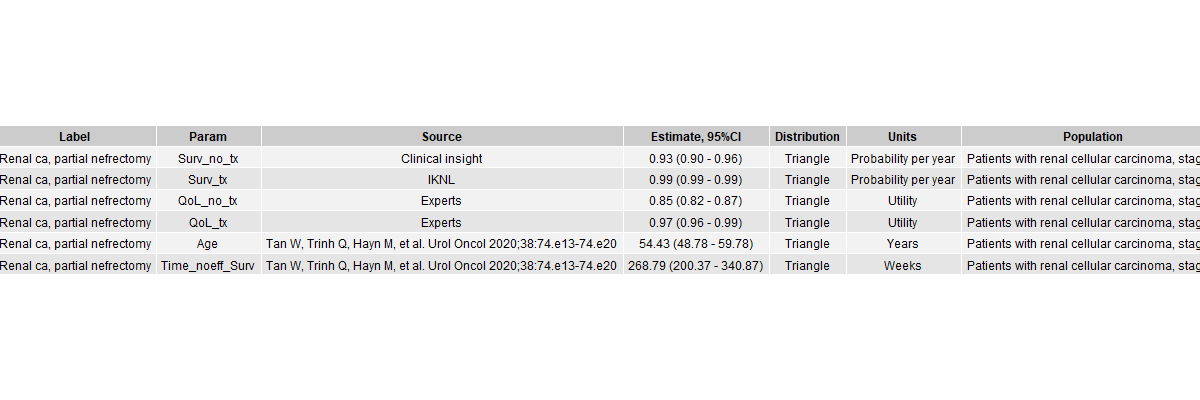
## Coloncarcinoma with liver metastases

### Surgical procedure: hepatectomy



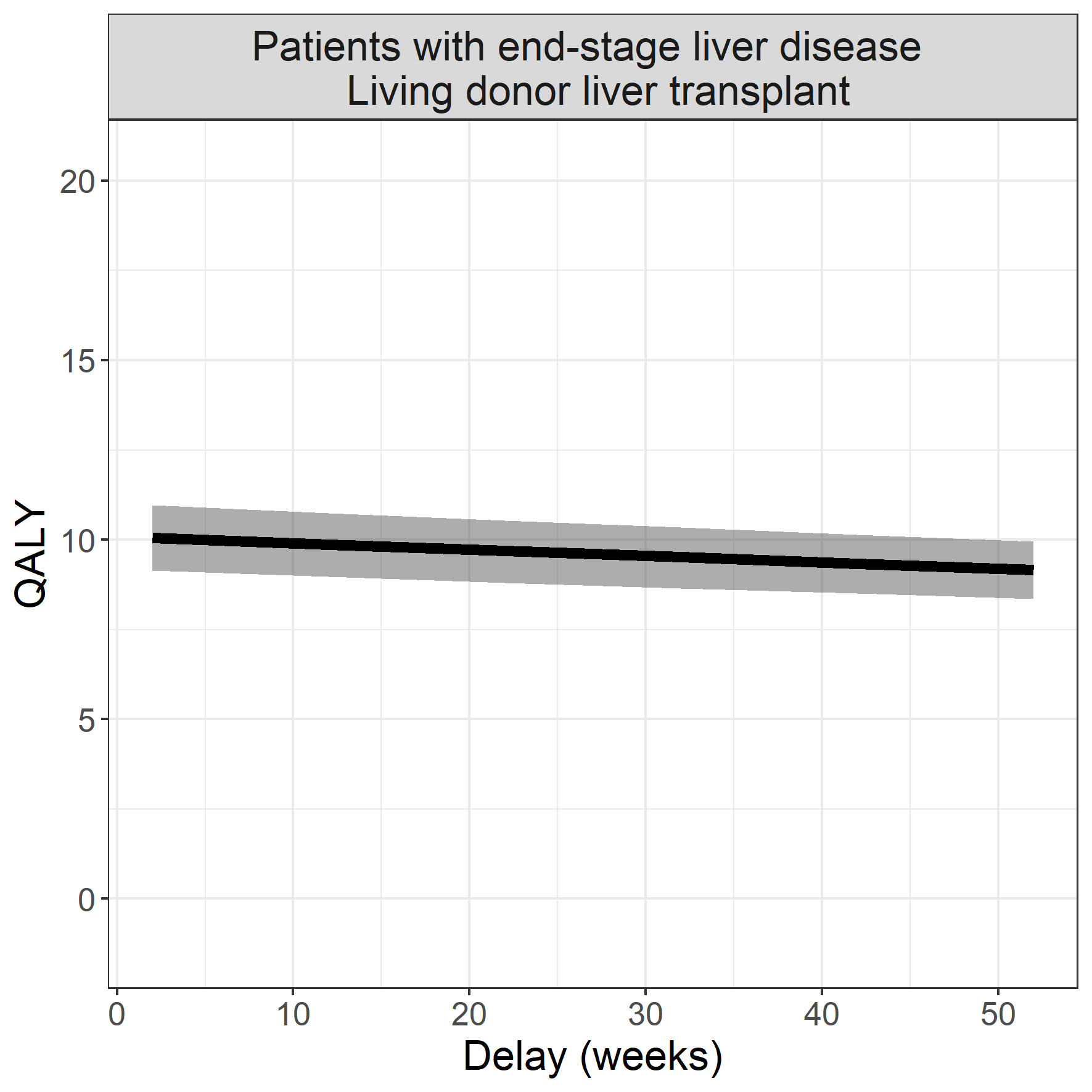
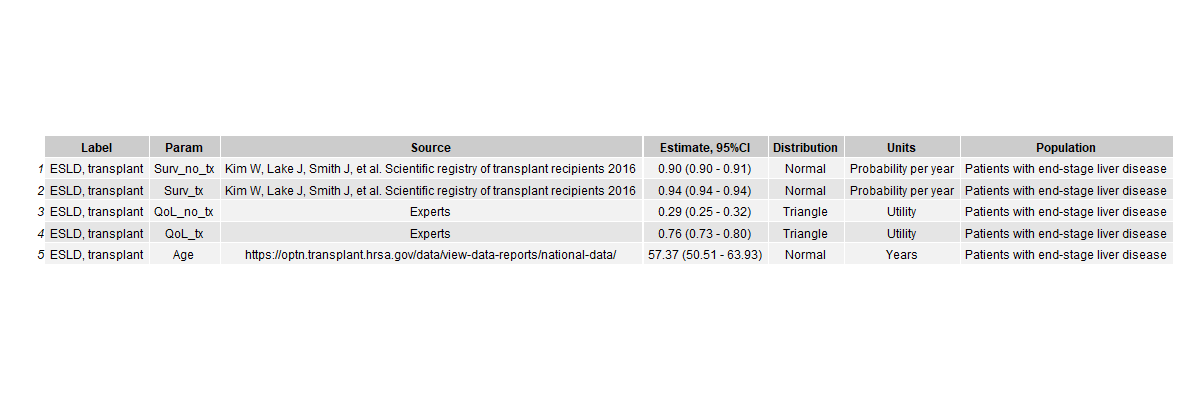
## Renal cell carcinoma, stage I

### Surgical procedure: partial nefrectomy



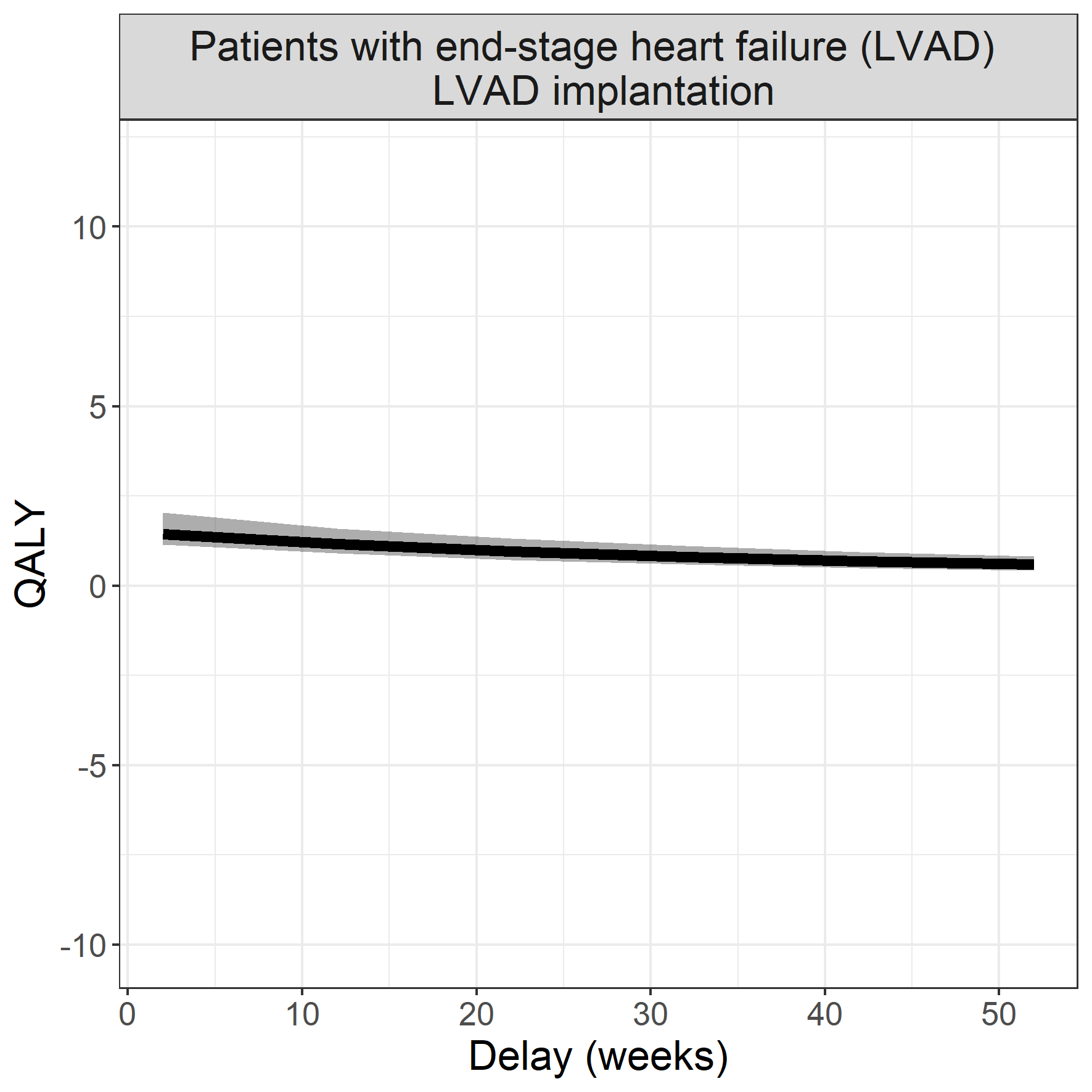
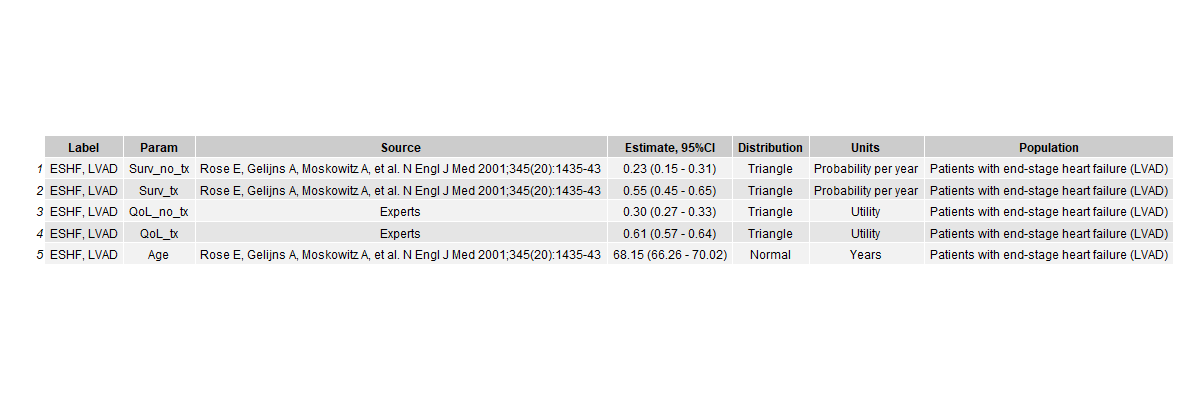
## End-stage liver disease

### Surgical procedure: living donor liver transplant



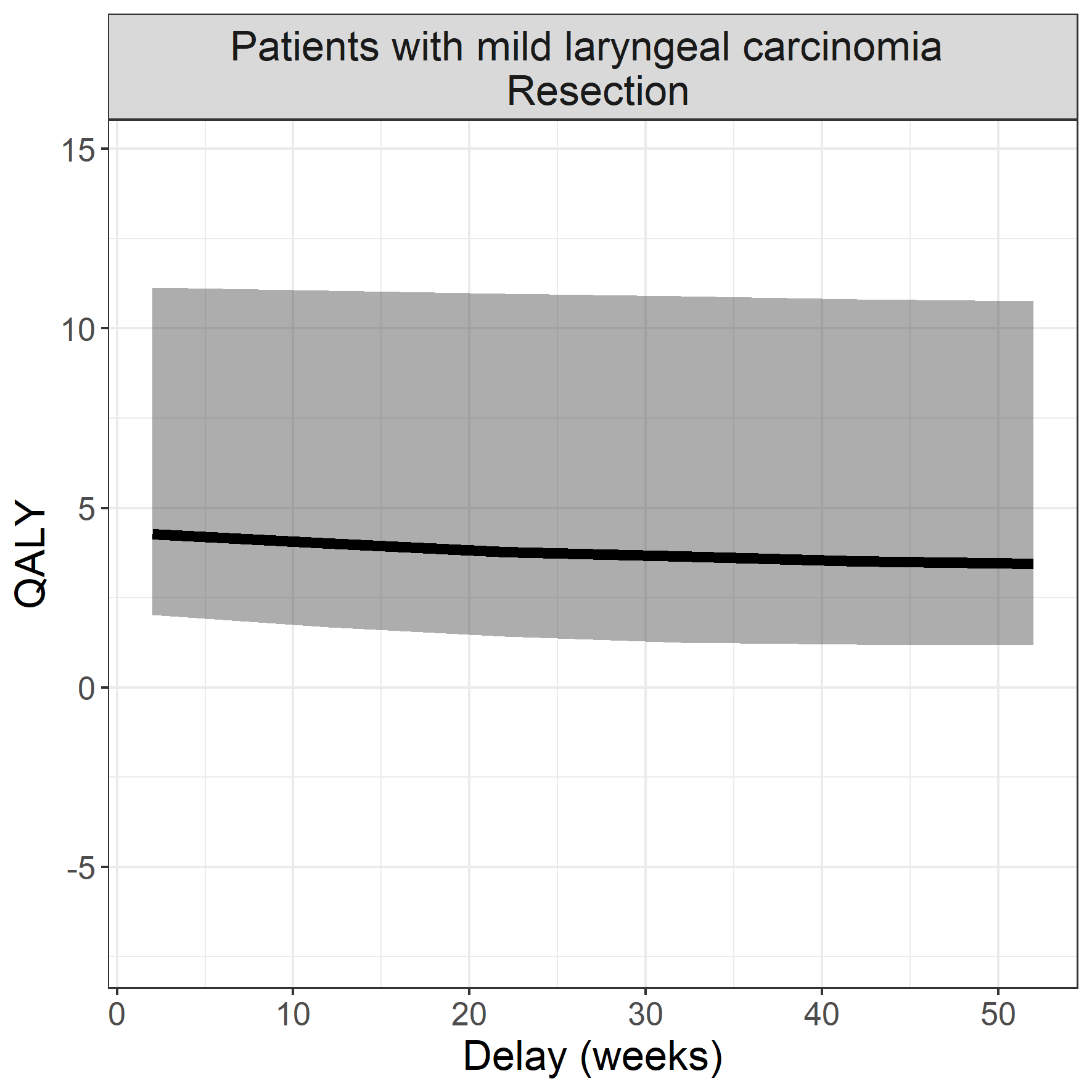
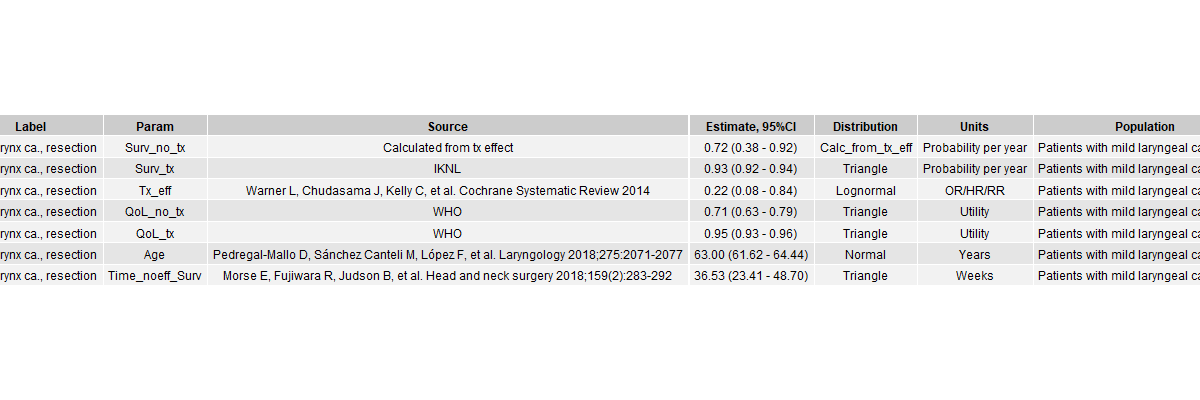
## End-stage heart failure

### Surgical procedure: implantation of a left ventricle assist device



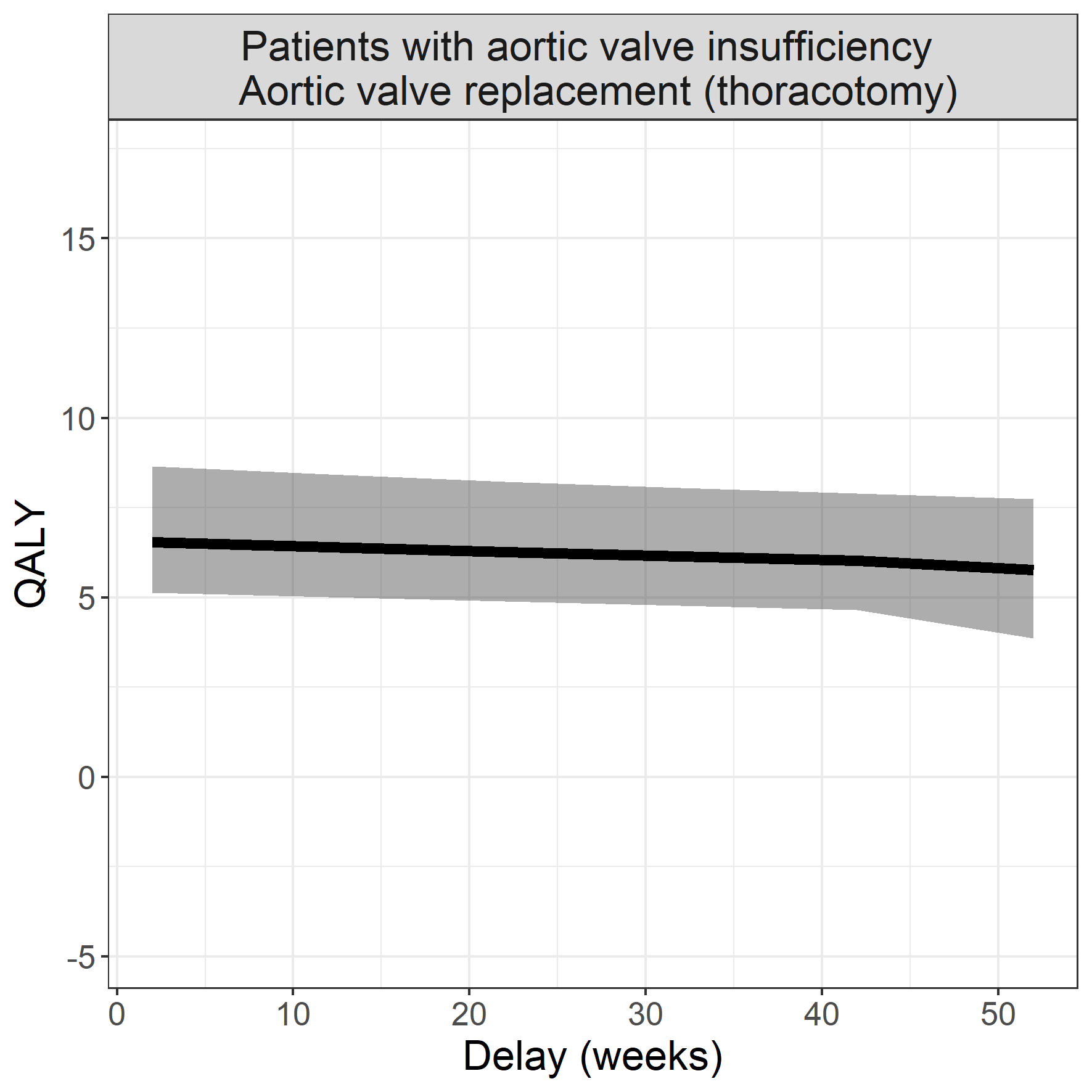
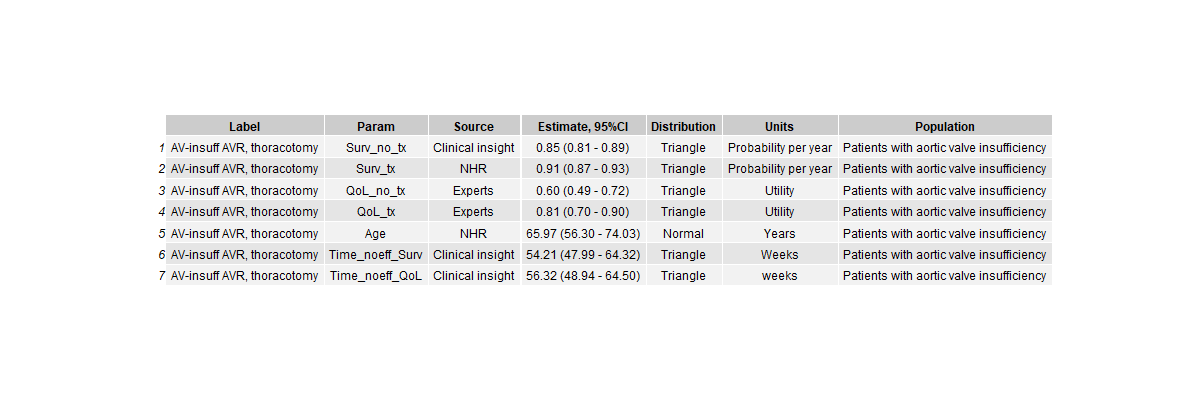
## Laryngeal carcinoma

### Surgical procedure: surgical resection



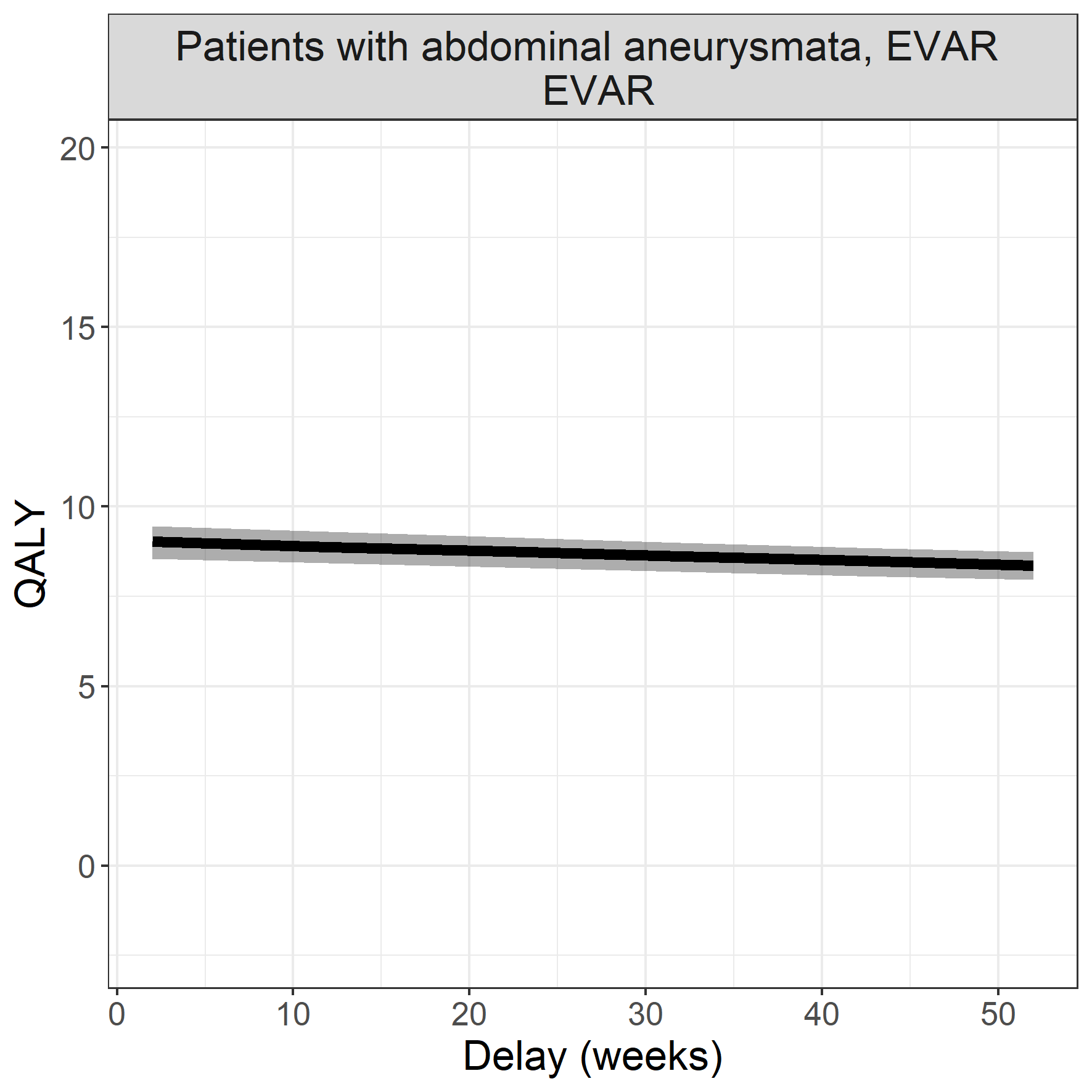
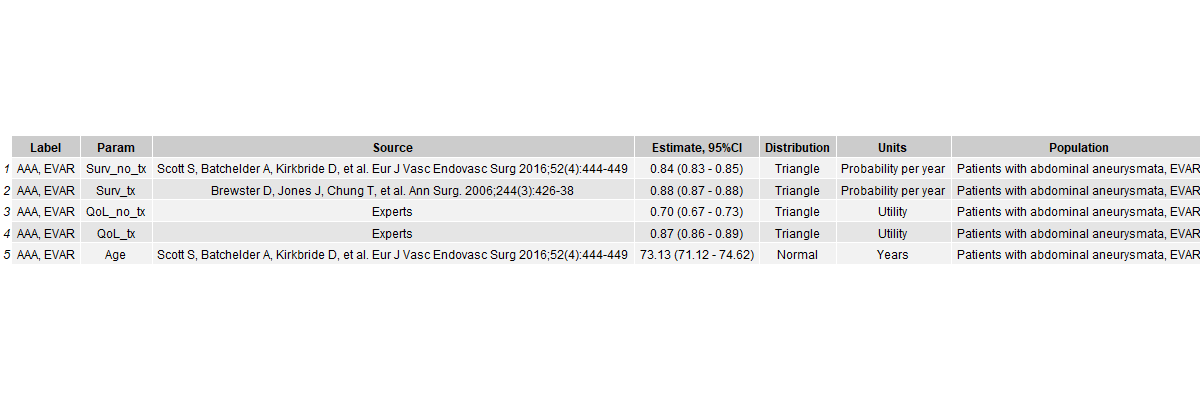
## Aortic valve insufficiency

**Surgical procedure: aortic valve replacement (thoracotomy)**



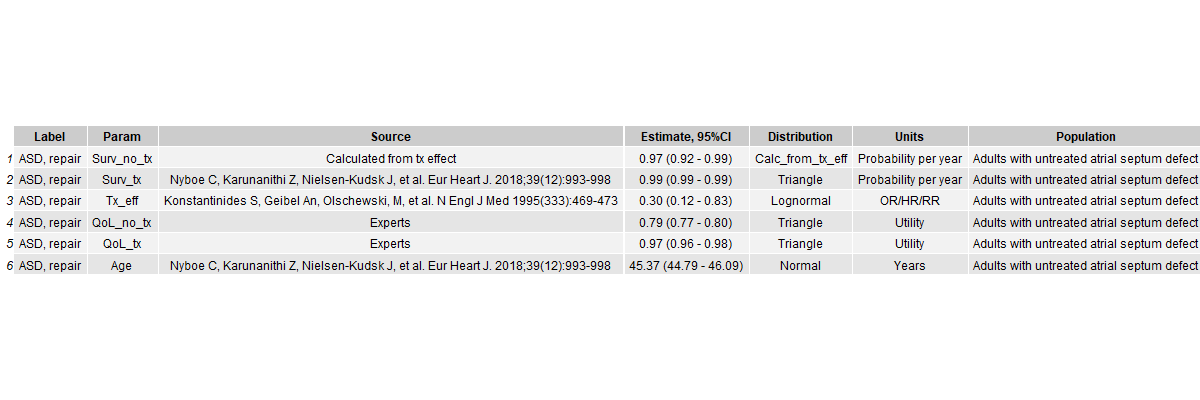
## Abdominal aneurysm of the aorta

**Surgical procedure: endovascular aorta repair**



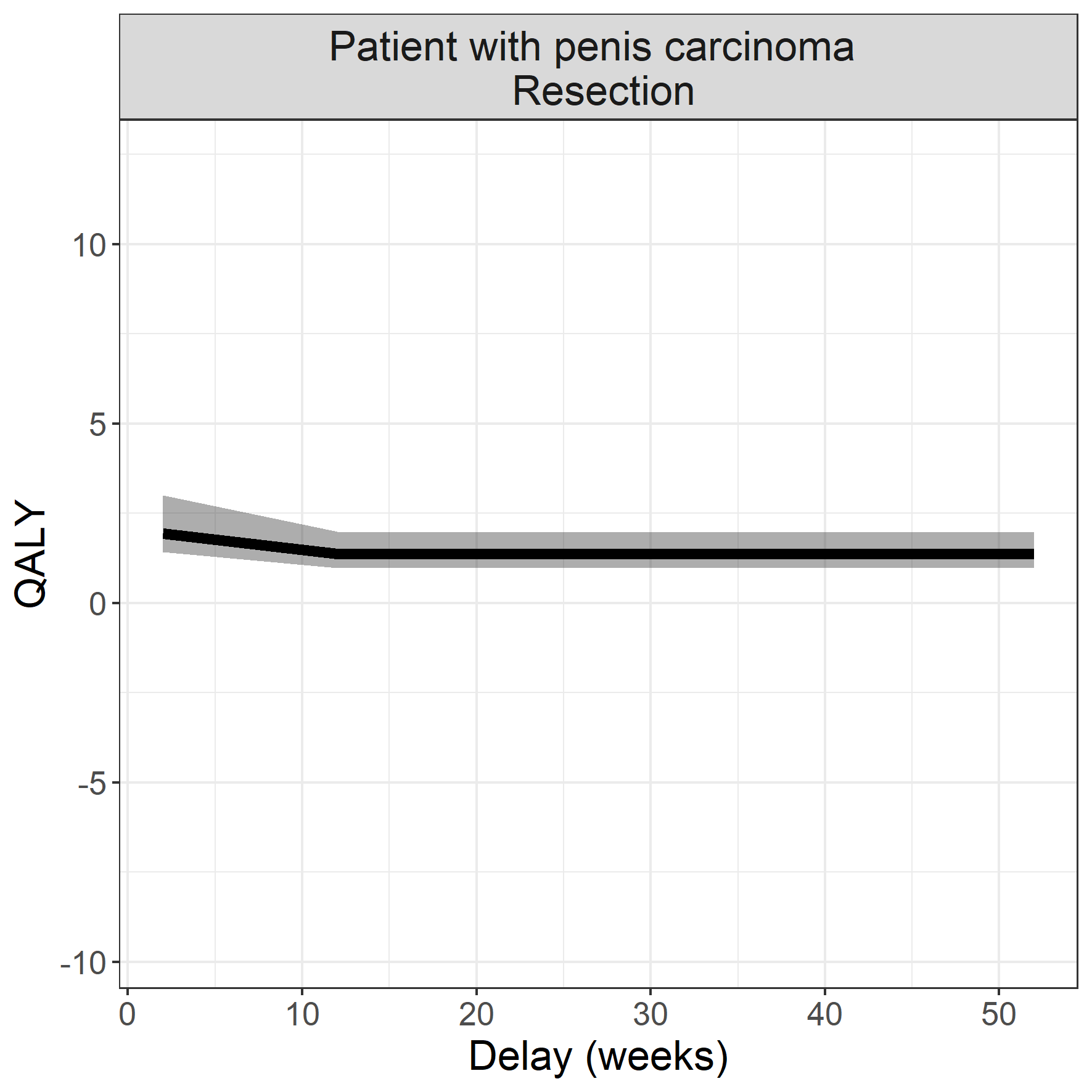
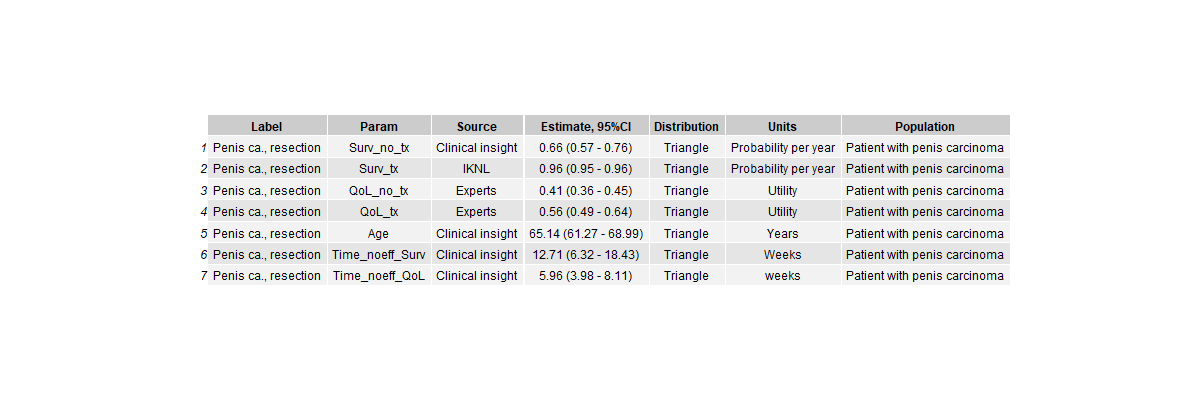
## Adults with untreated atrial septum defect

**Surgical procedure: surgical repair**



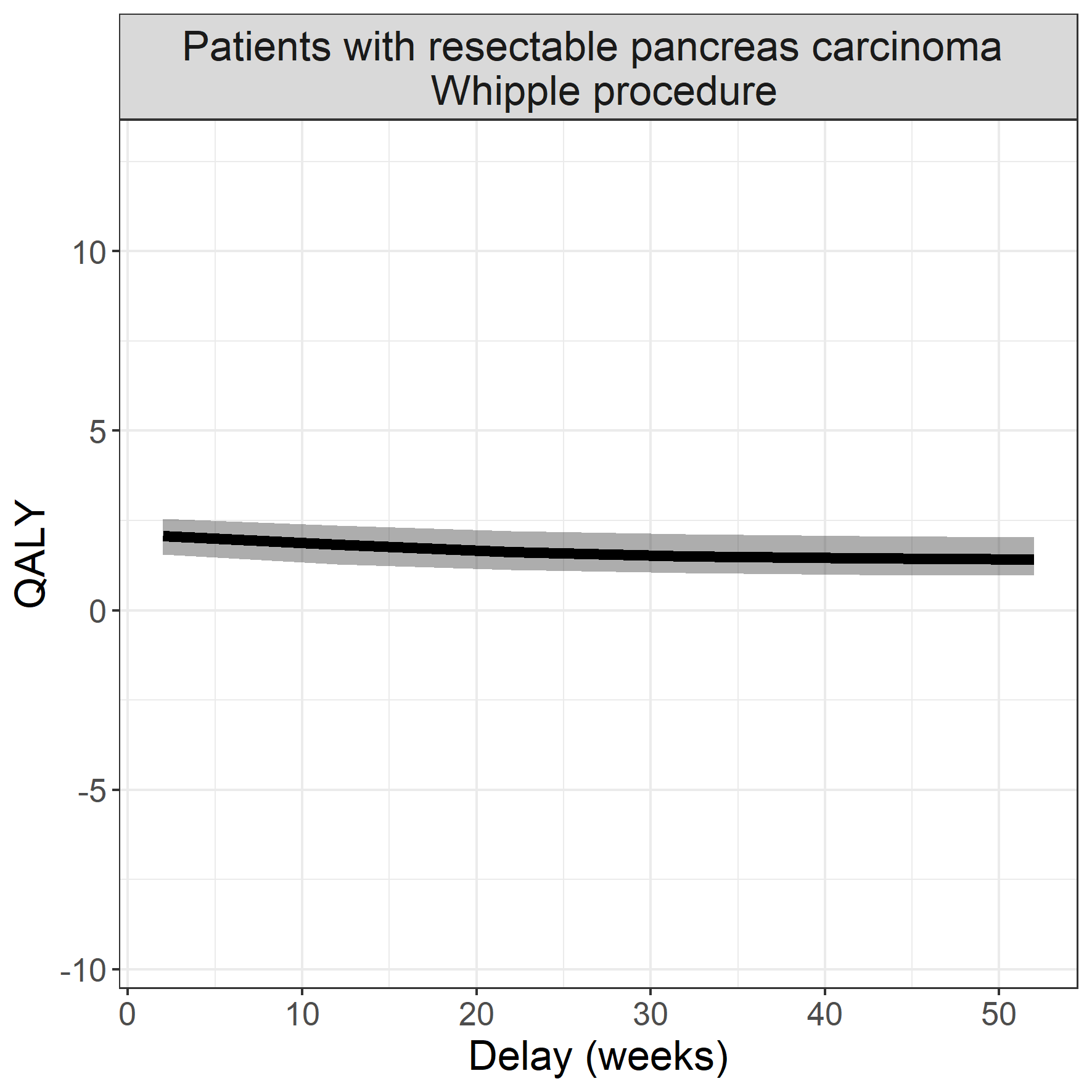
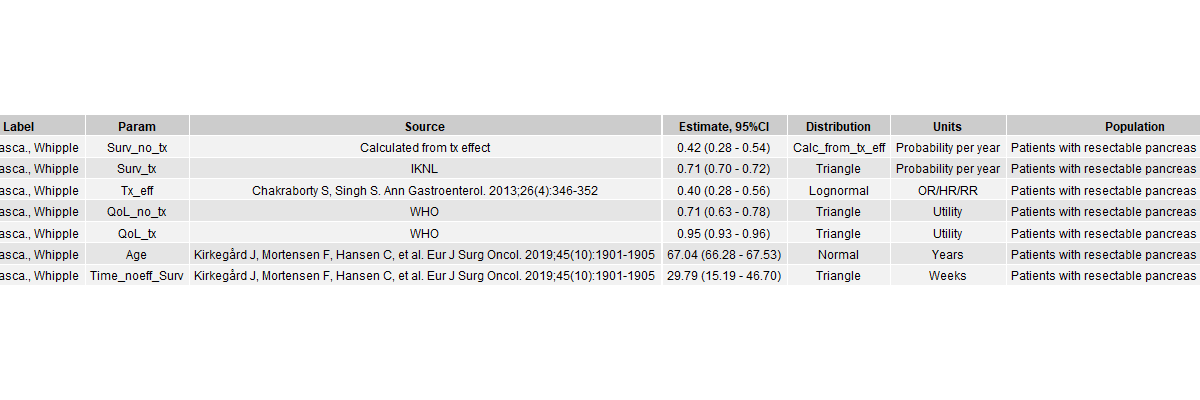
## Penis carcinoma

**Surgical procedure: surgical resection**



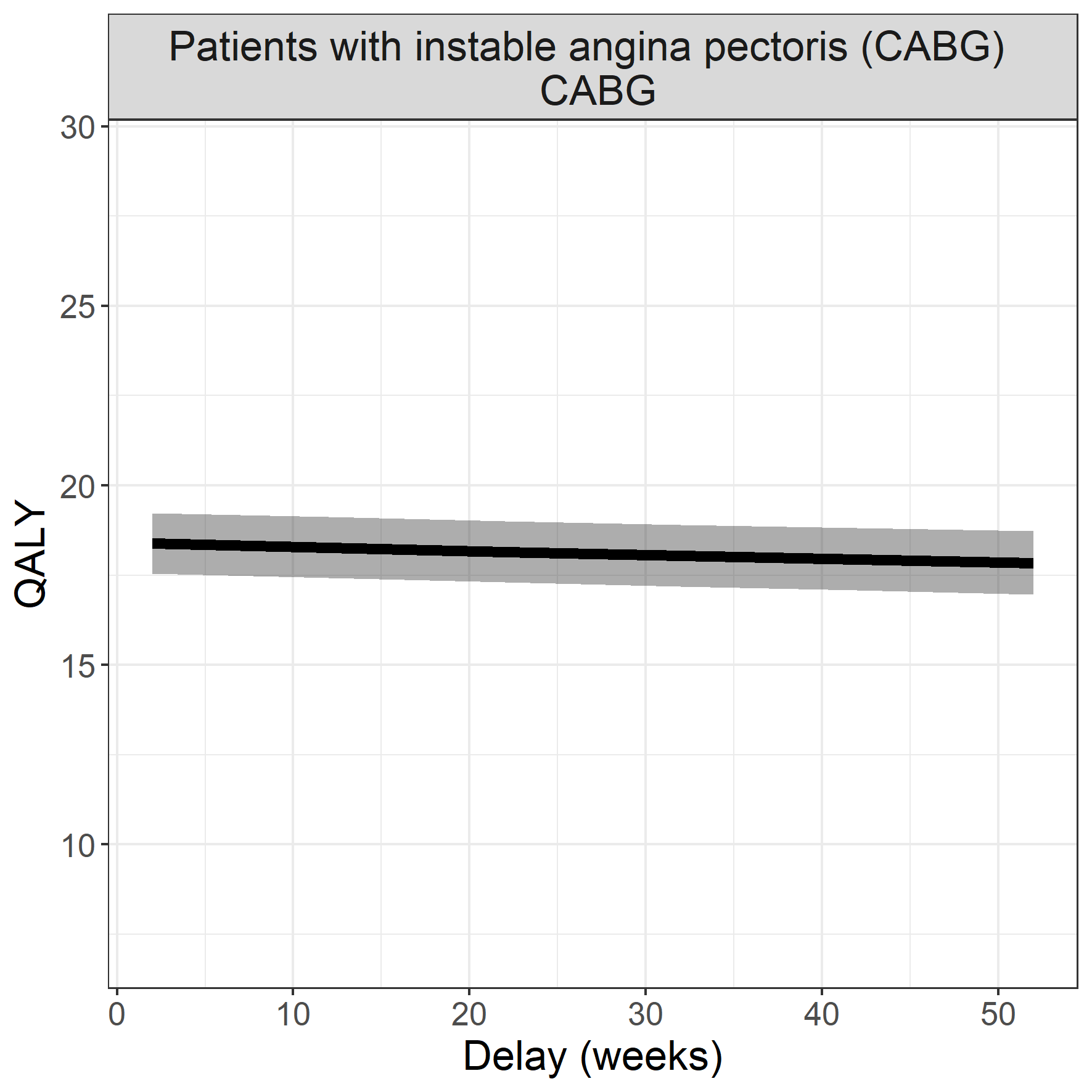
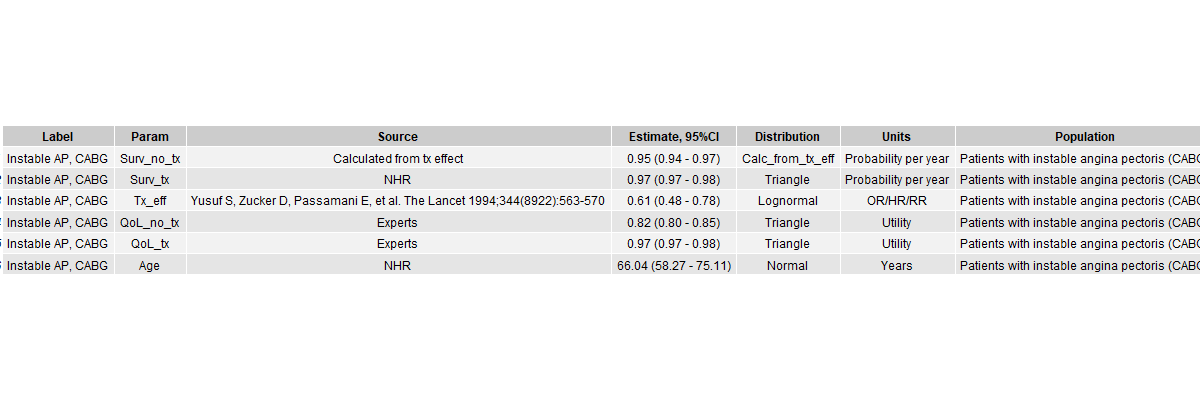
## Pancreas carcinoma

**Surgical procedure: whipple**



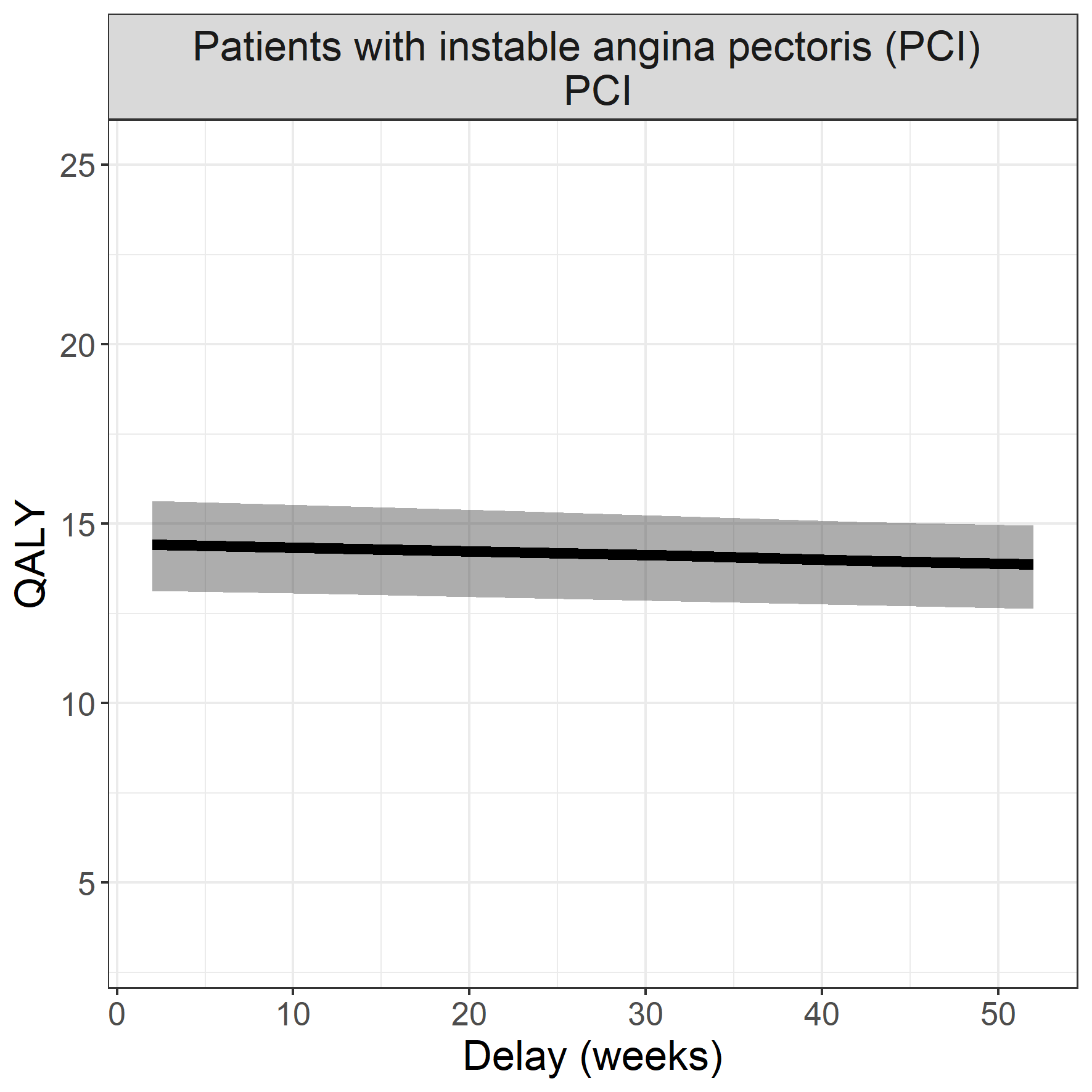
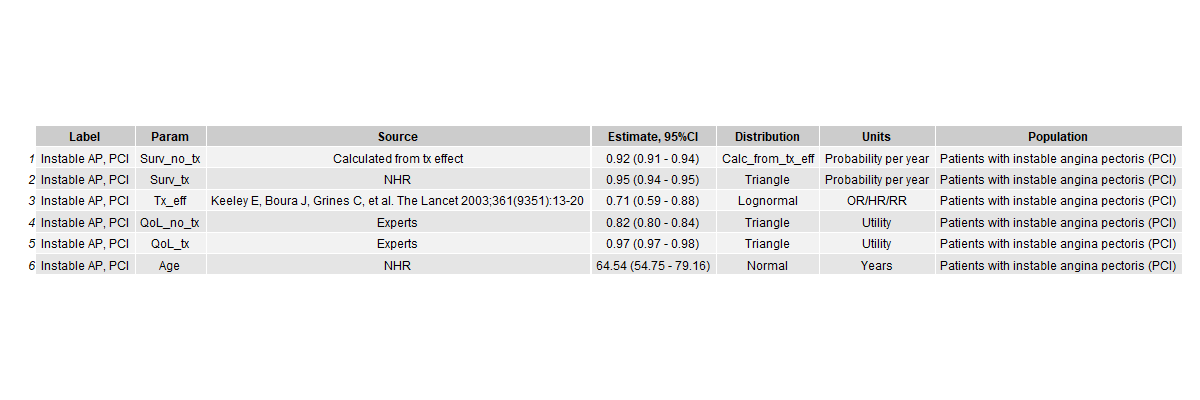
## Instable angina pectoris - CABG

**Surgical procedure: coronary bypass artery graft**



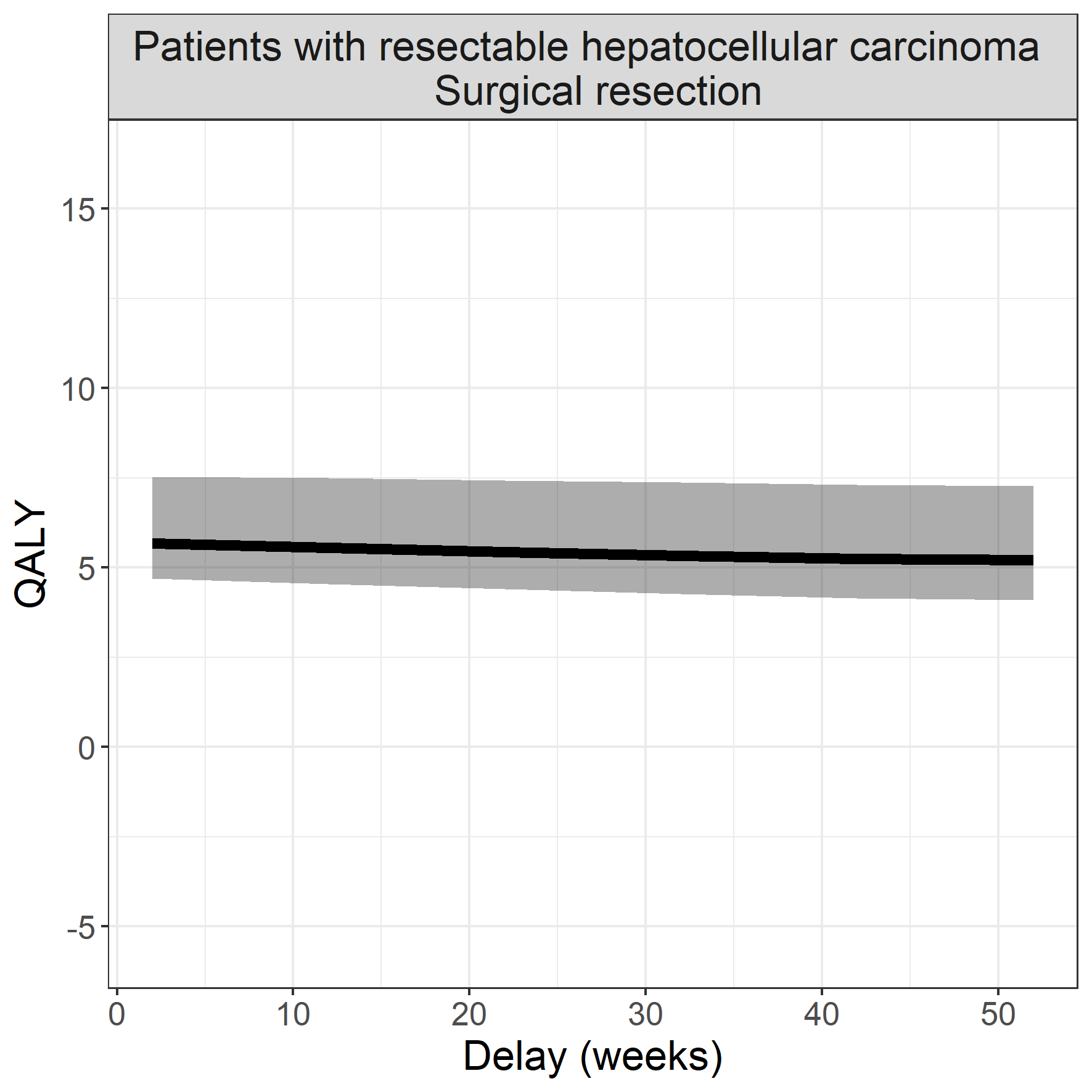
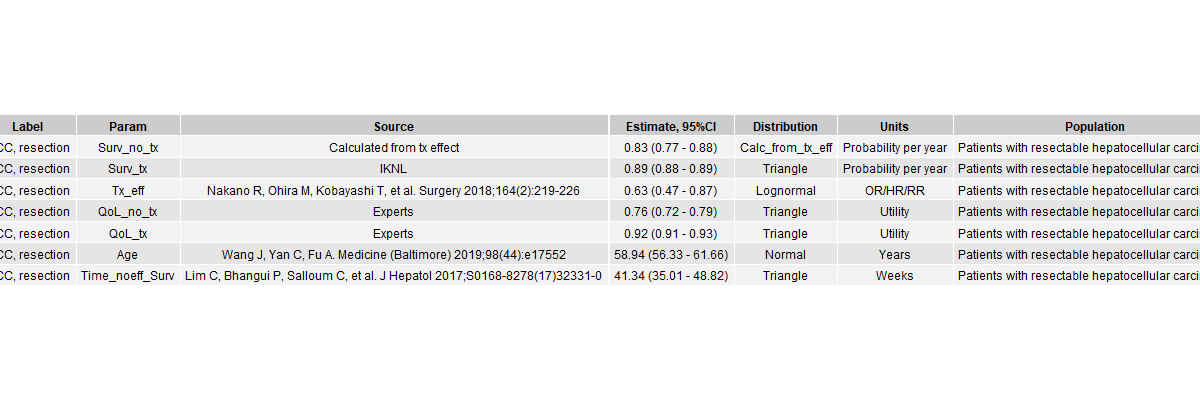
## Instable angina pectoris - PCI

**Surgical procedure: percutaneous coronary intervention**



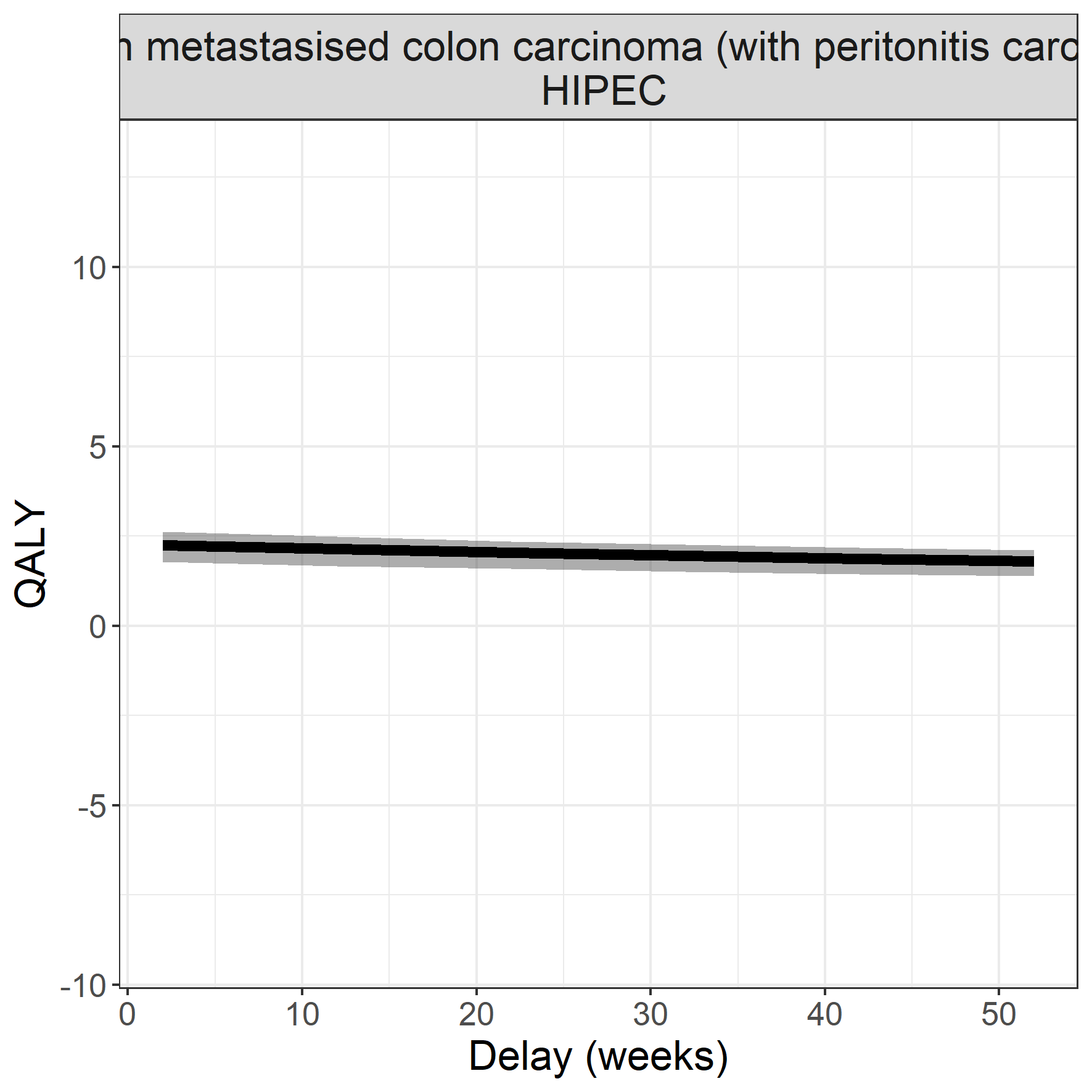
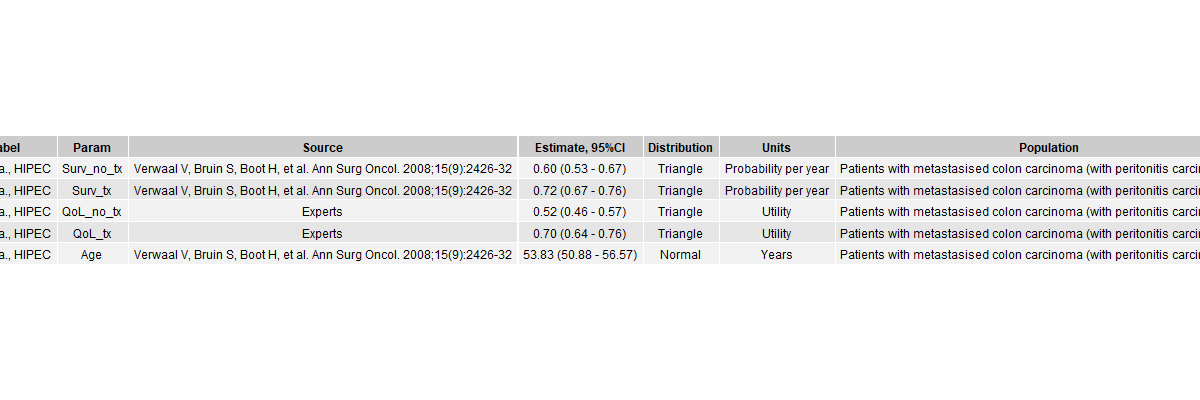
## Hepatocellular carcinoma

**Surgical procedure: surgical resection**



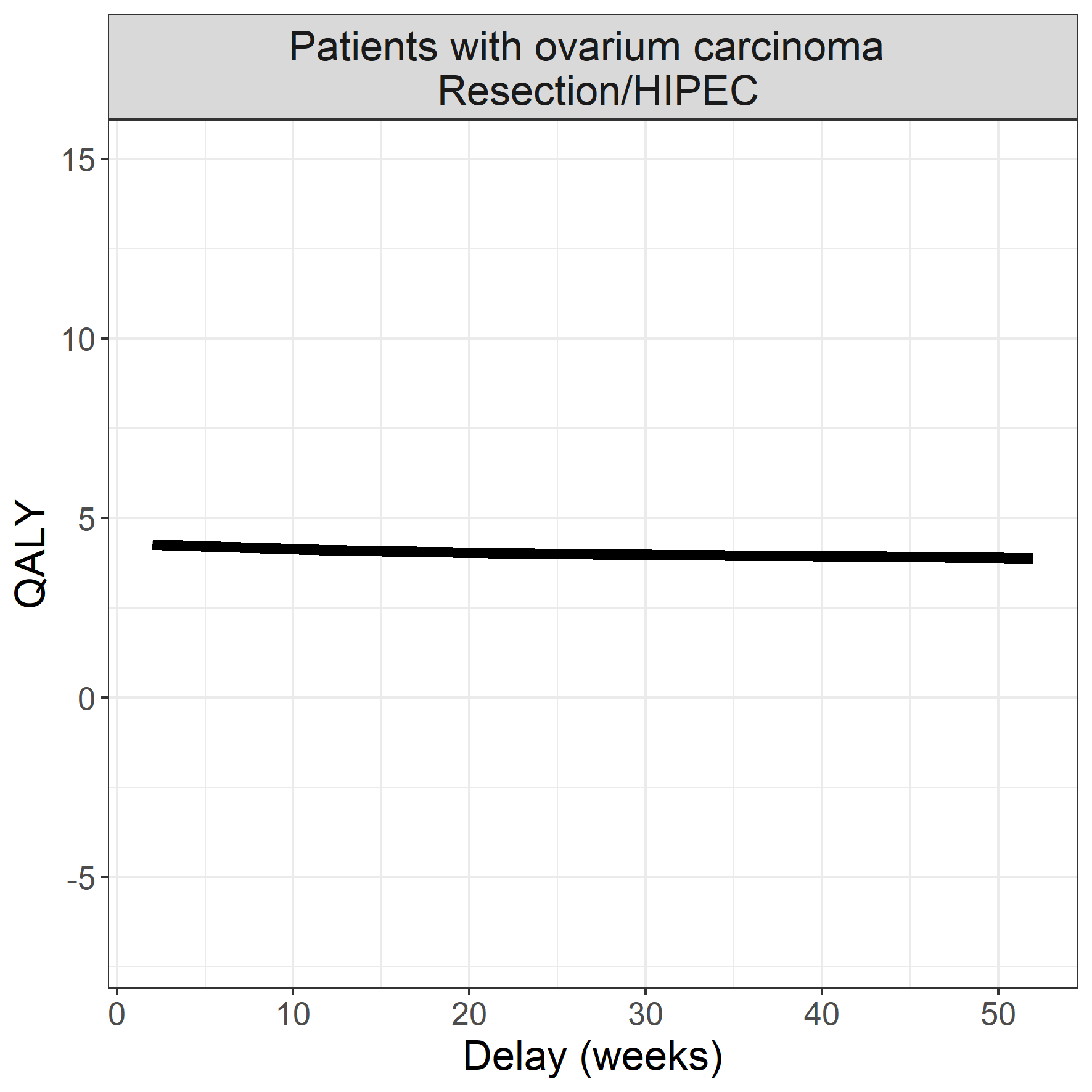
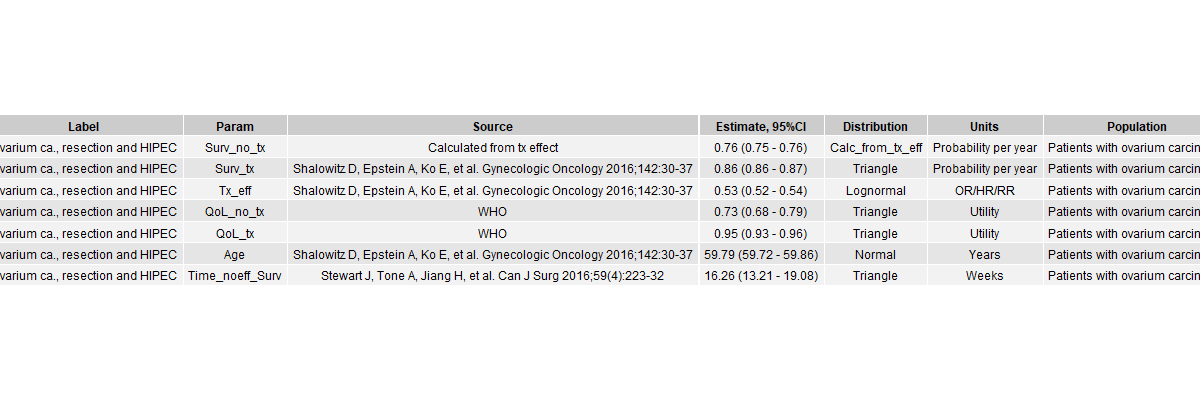
## Colon carcinoma with peritoneal metastases

**Surgical procedure: hyperthermic intraperitoneal chemotherapy**



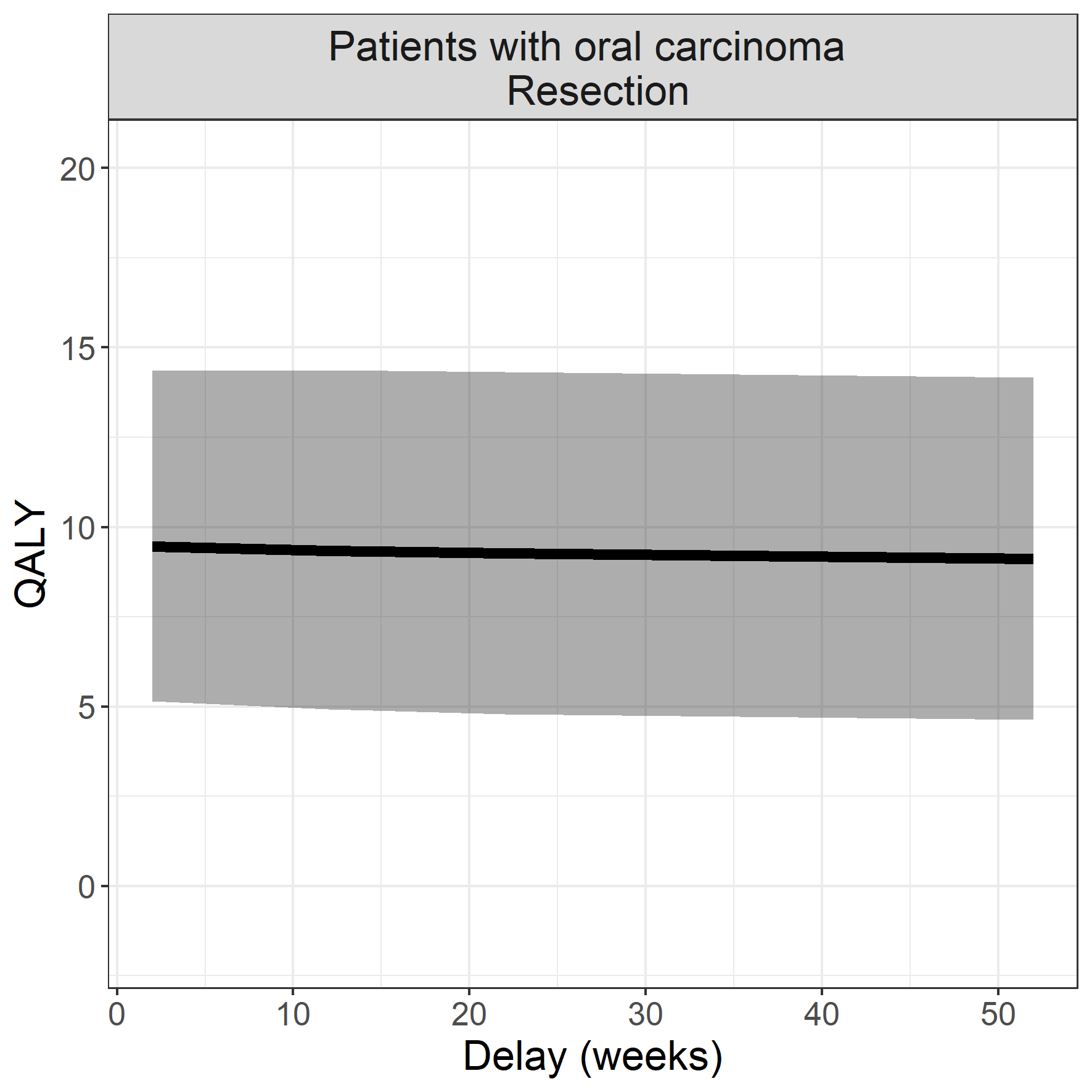
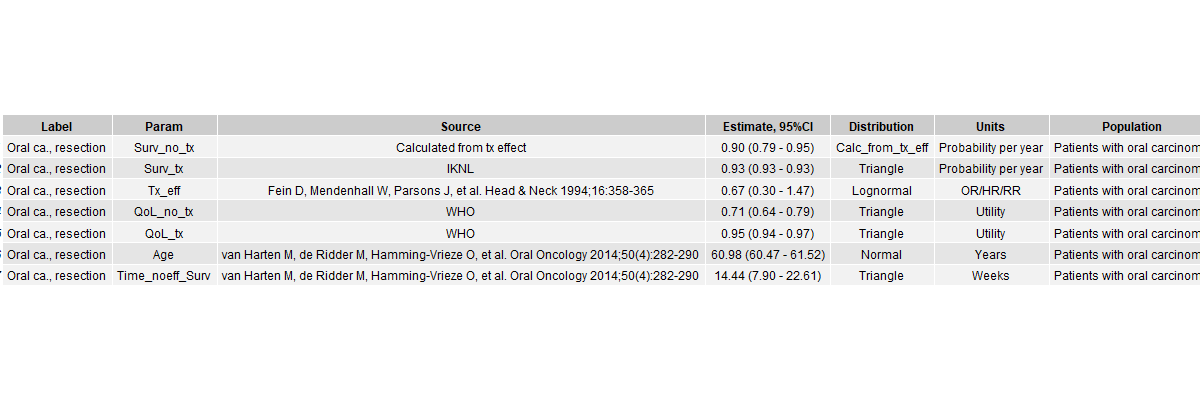
## Ovarium carcinoma

**Surgical procedure: debulking and hyperthermic intraperitoneal chemotherapy**



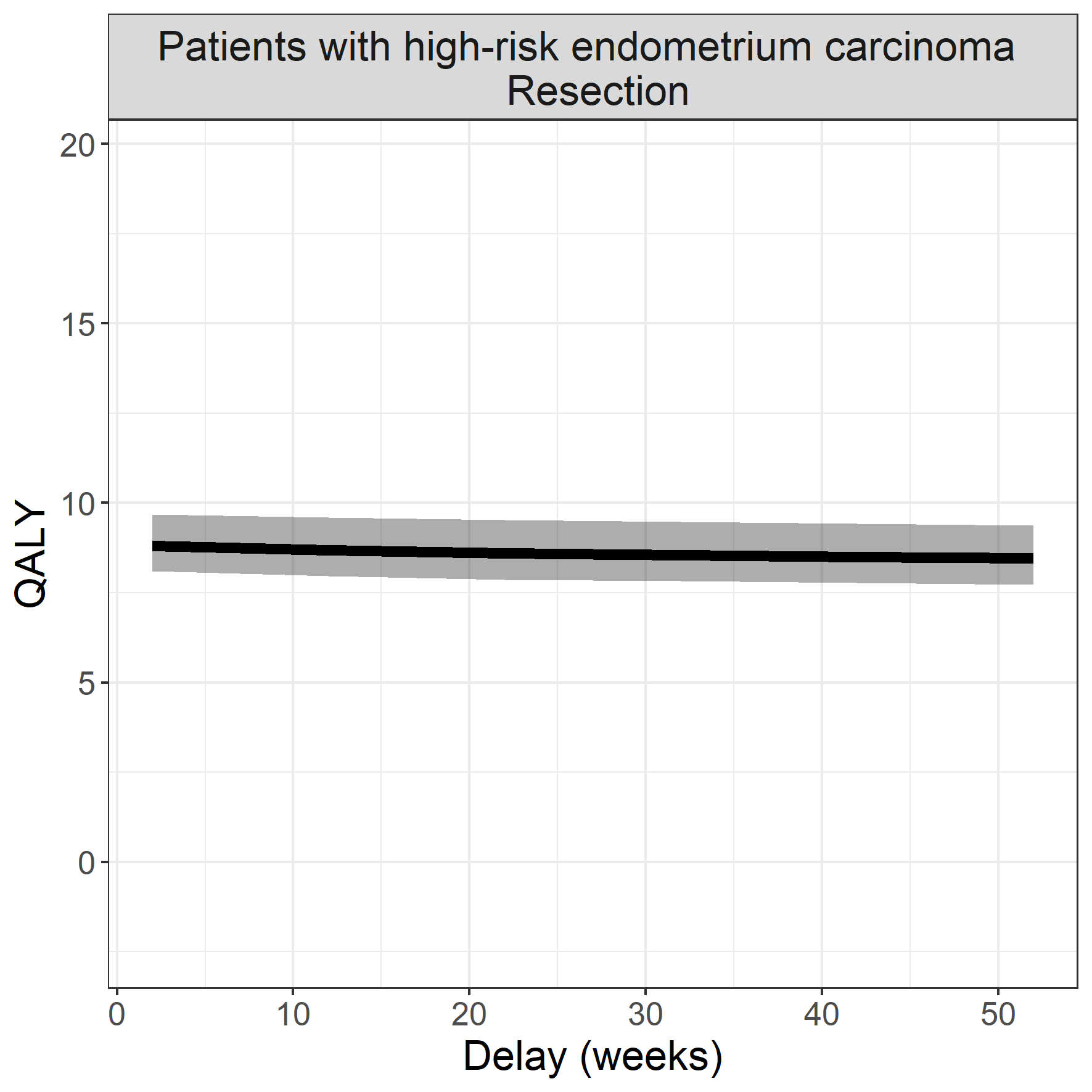
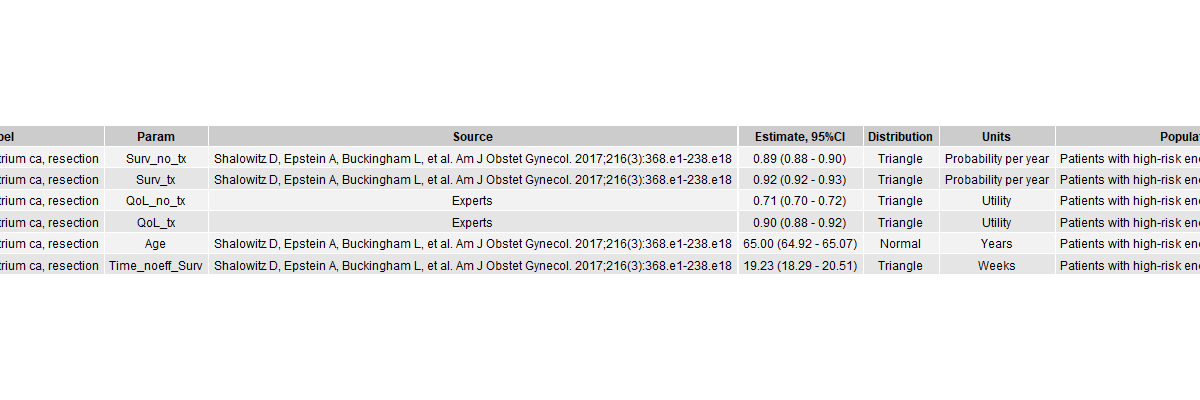
## Oral carcinoma

**Surgical procedure: surgical resection**



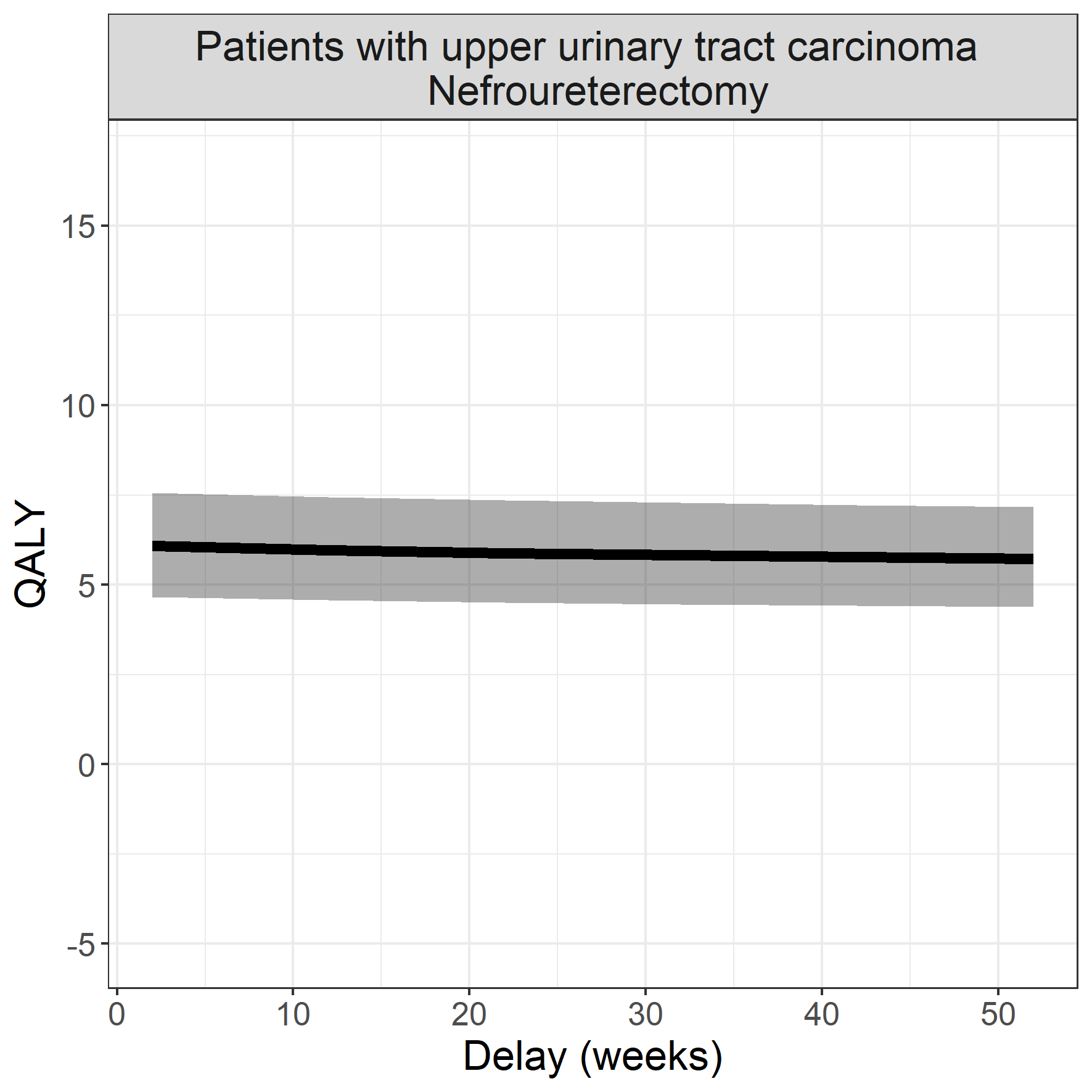
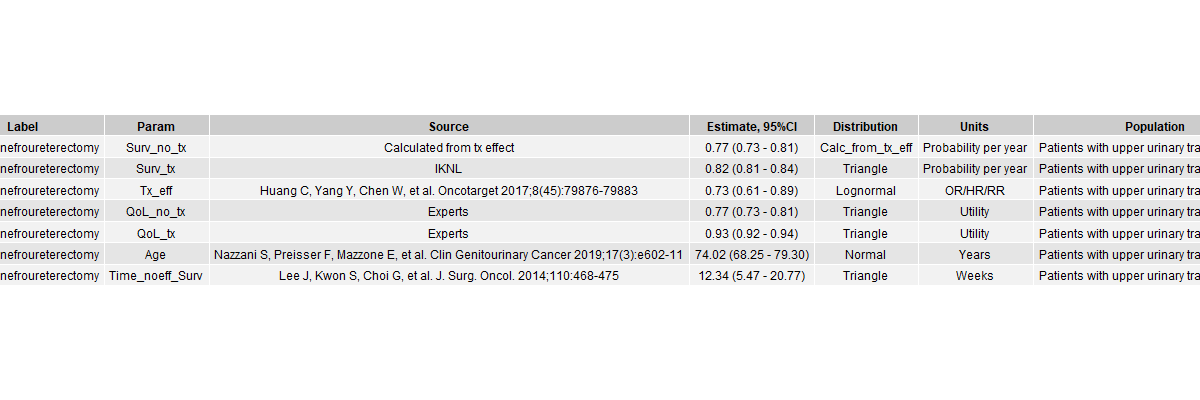
## High-risk endometrium carcinoma

**Surgical procedure: surgical resection**



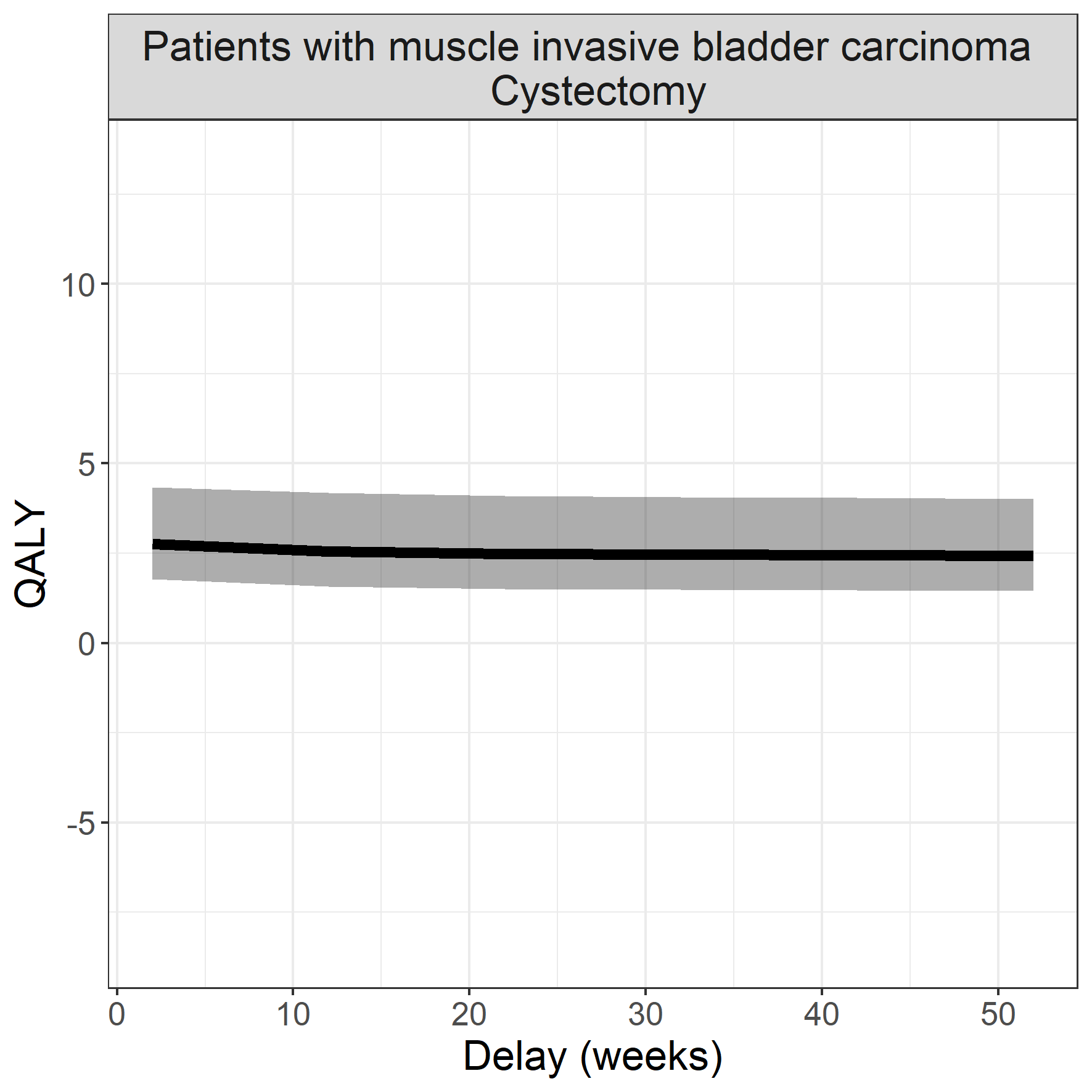
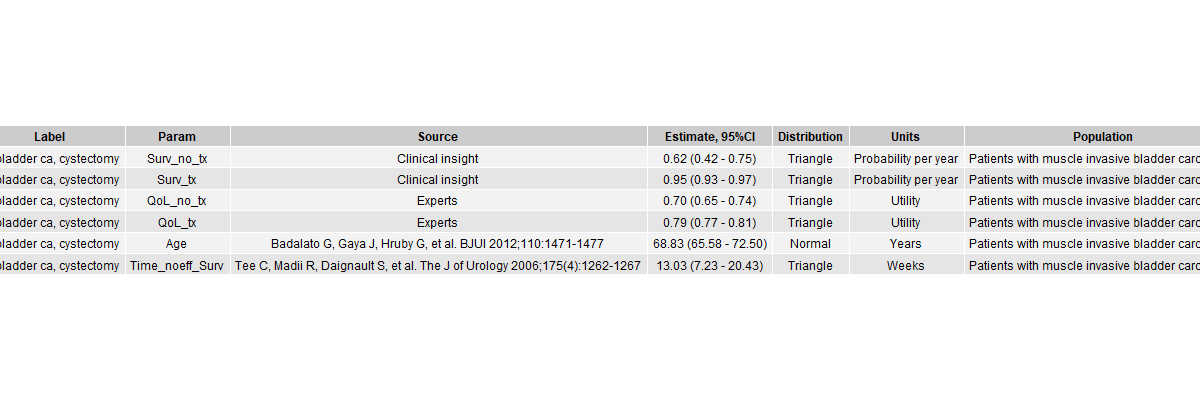
## Upper urinary tract carcinoma

**Surgical procedure: nefroureterectomy**



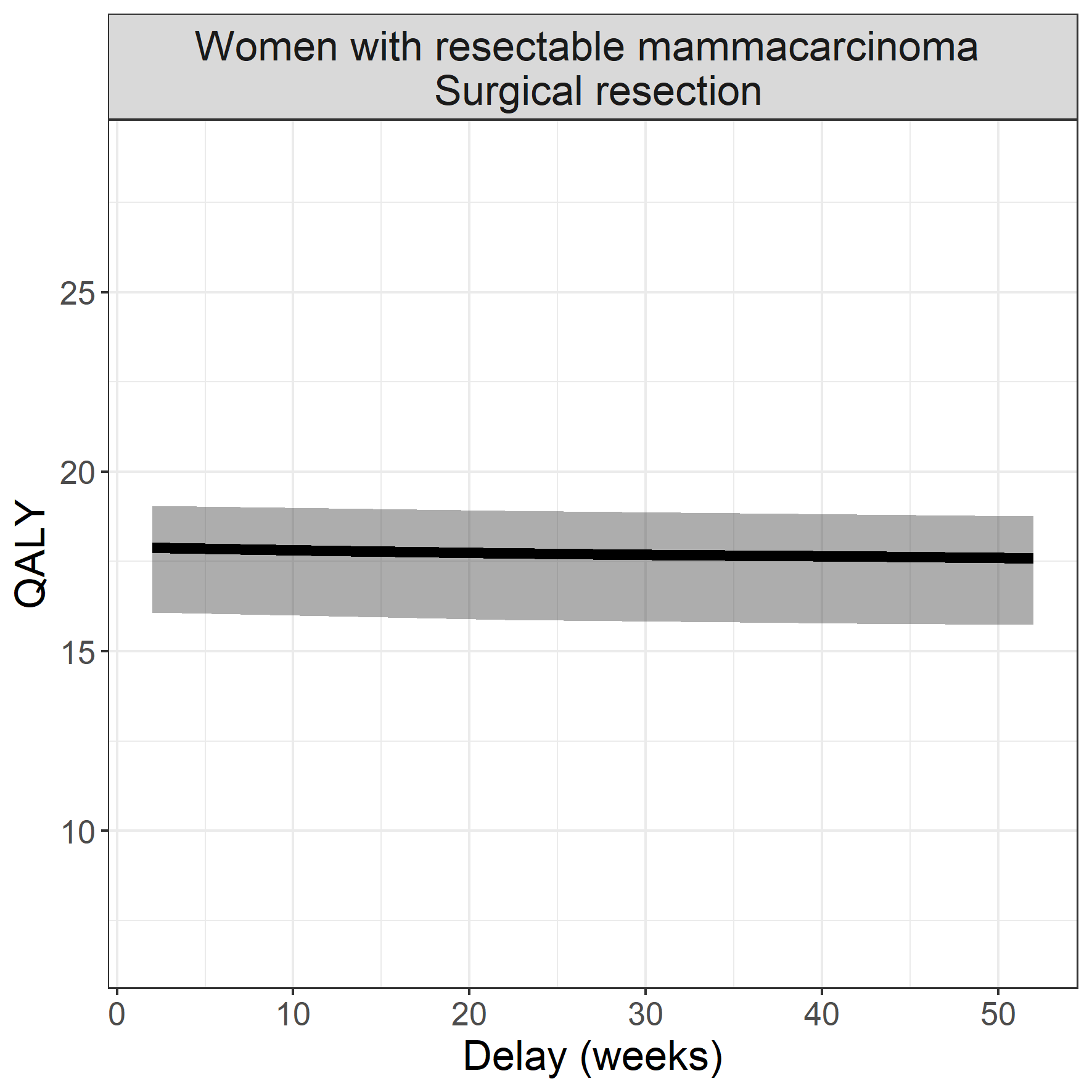
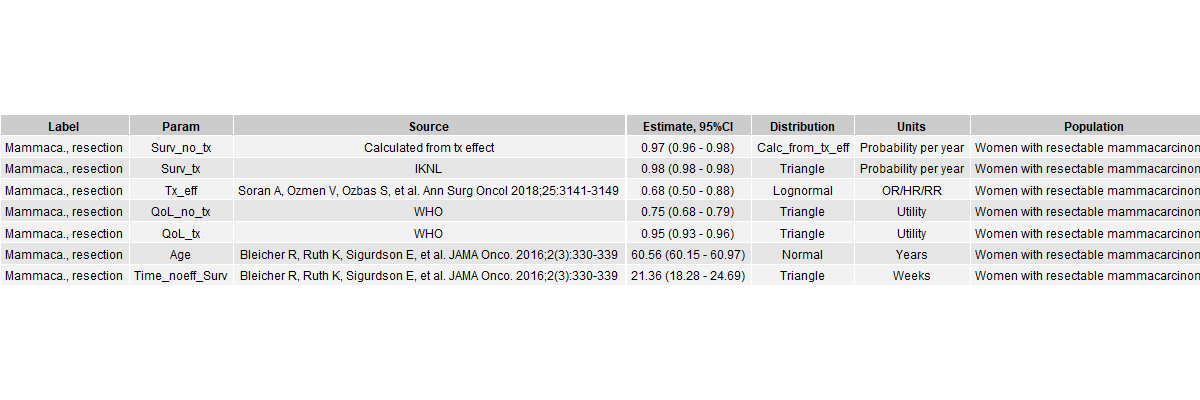
## Muscle invasive bladder cancer

**Surgical procedure: cystectomy**



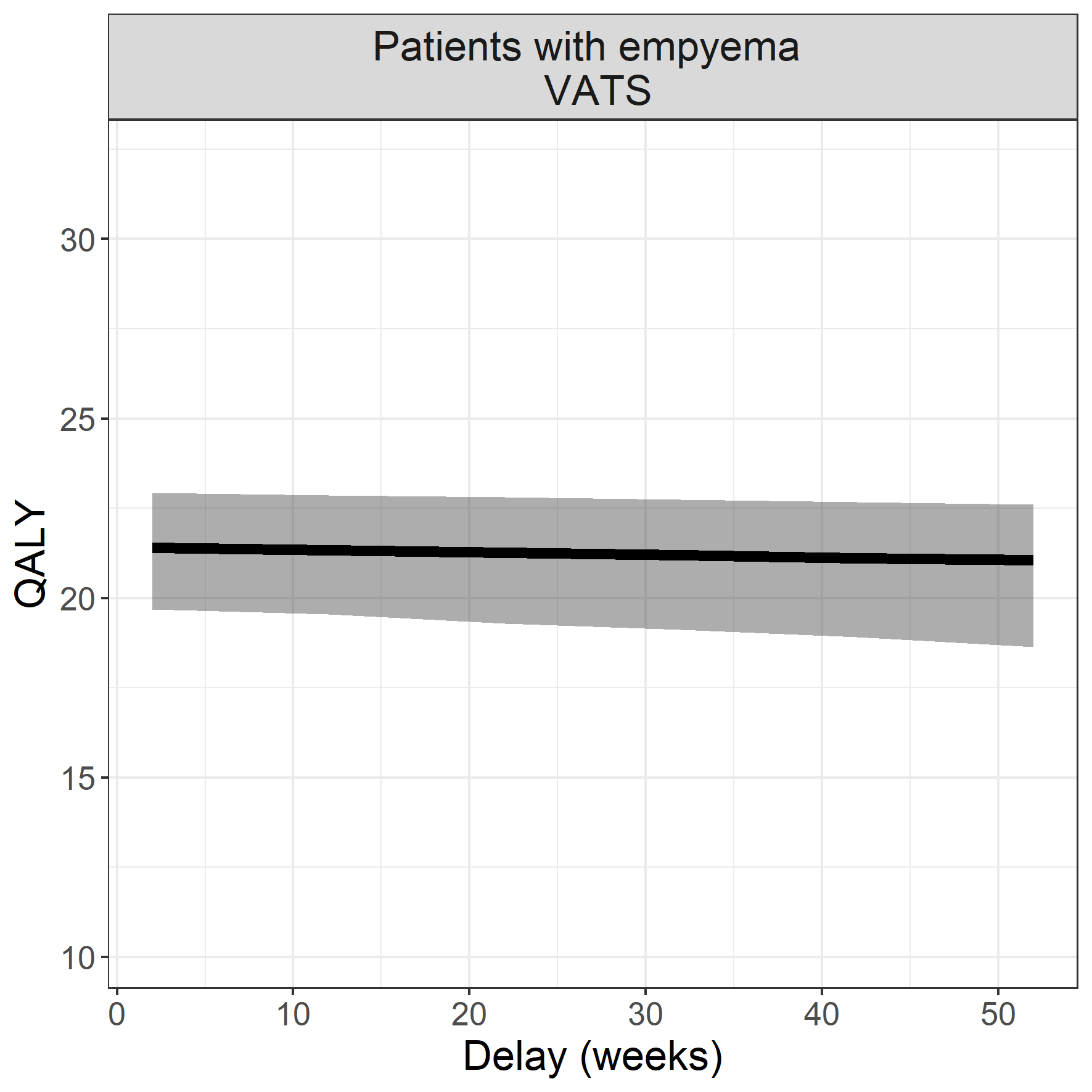
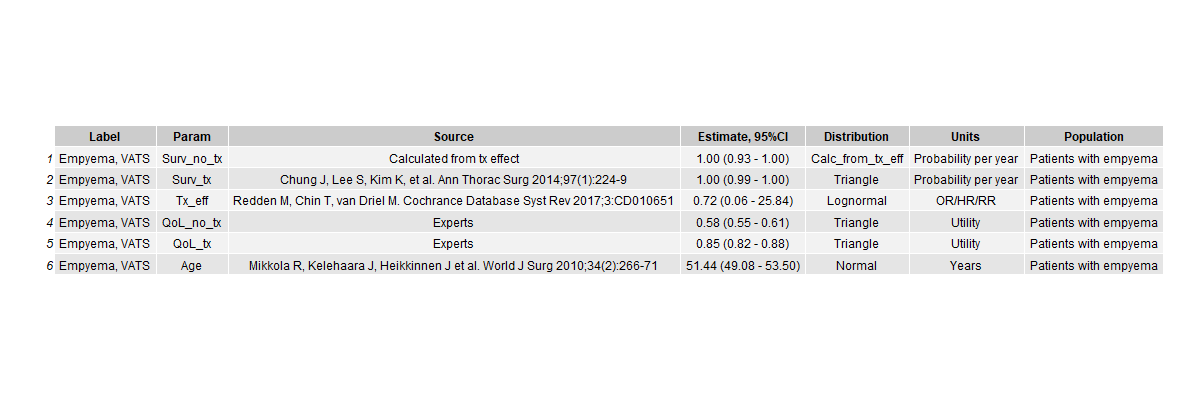
## Resectable mammacarcinoma

**Surgical procedure: surgical resection**



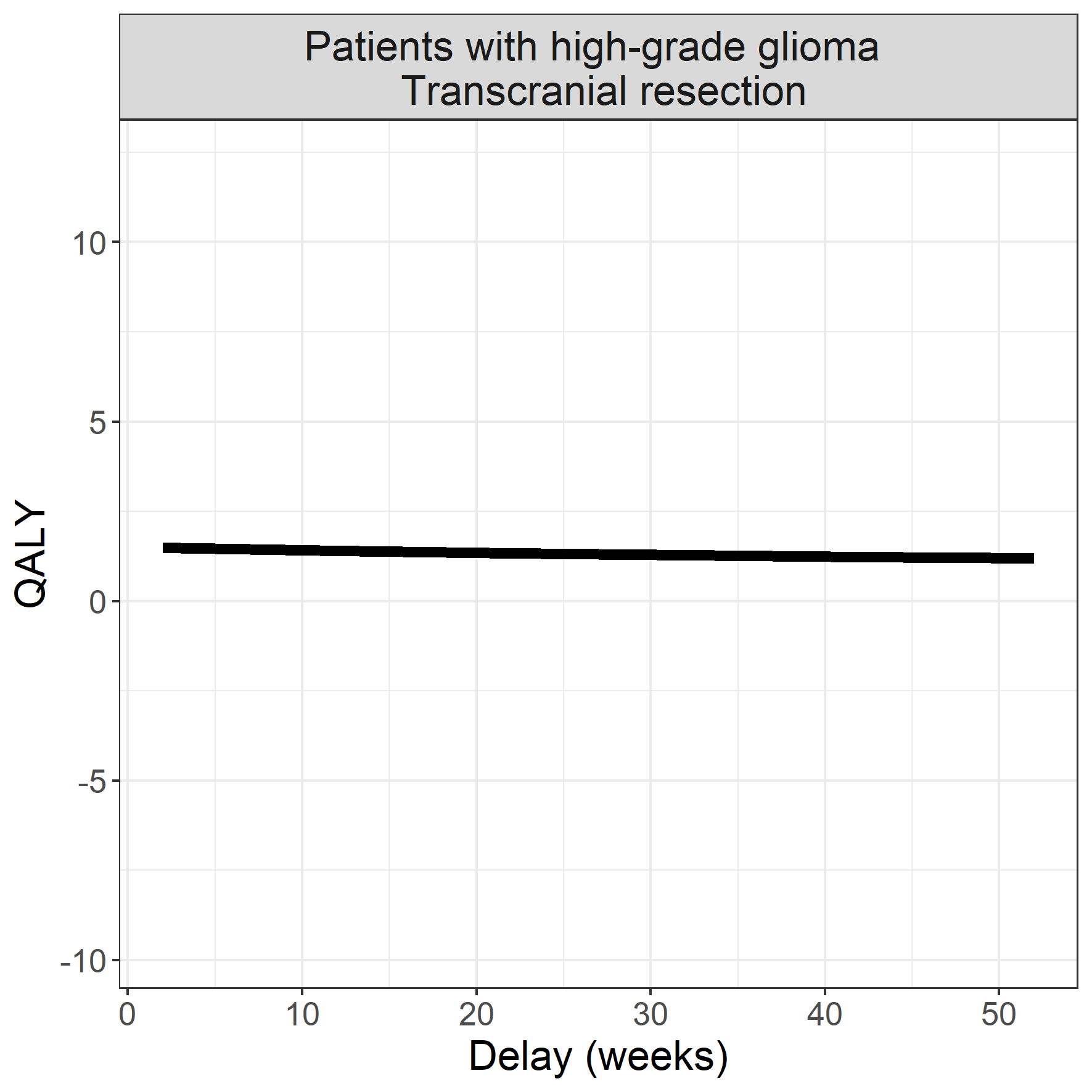
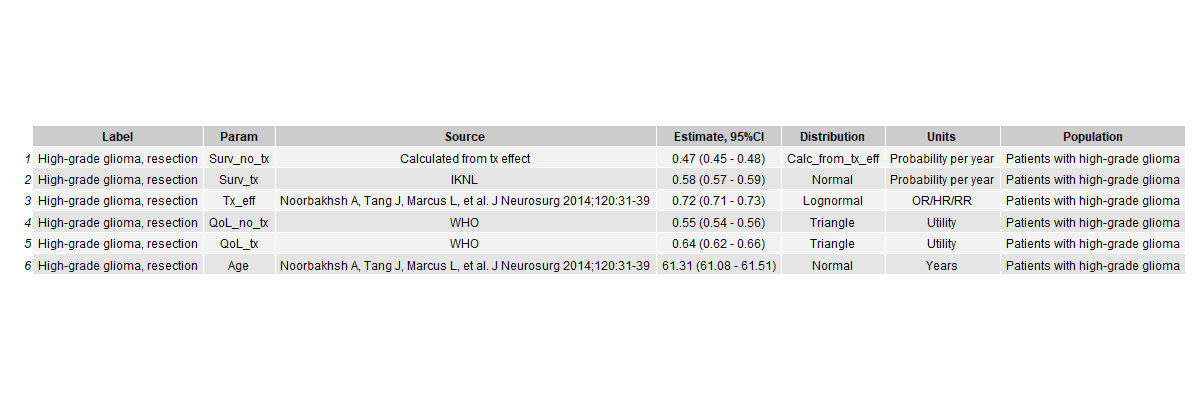
## Empyema

**Surgical procedure: video assisted thoracoscopy**



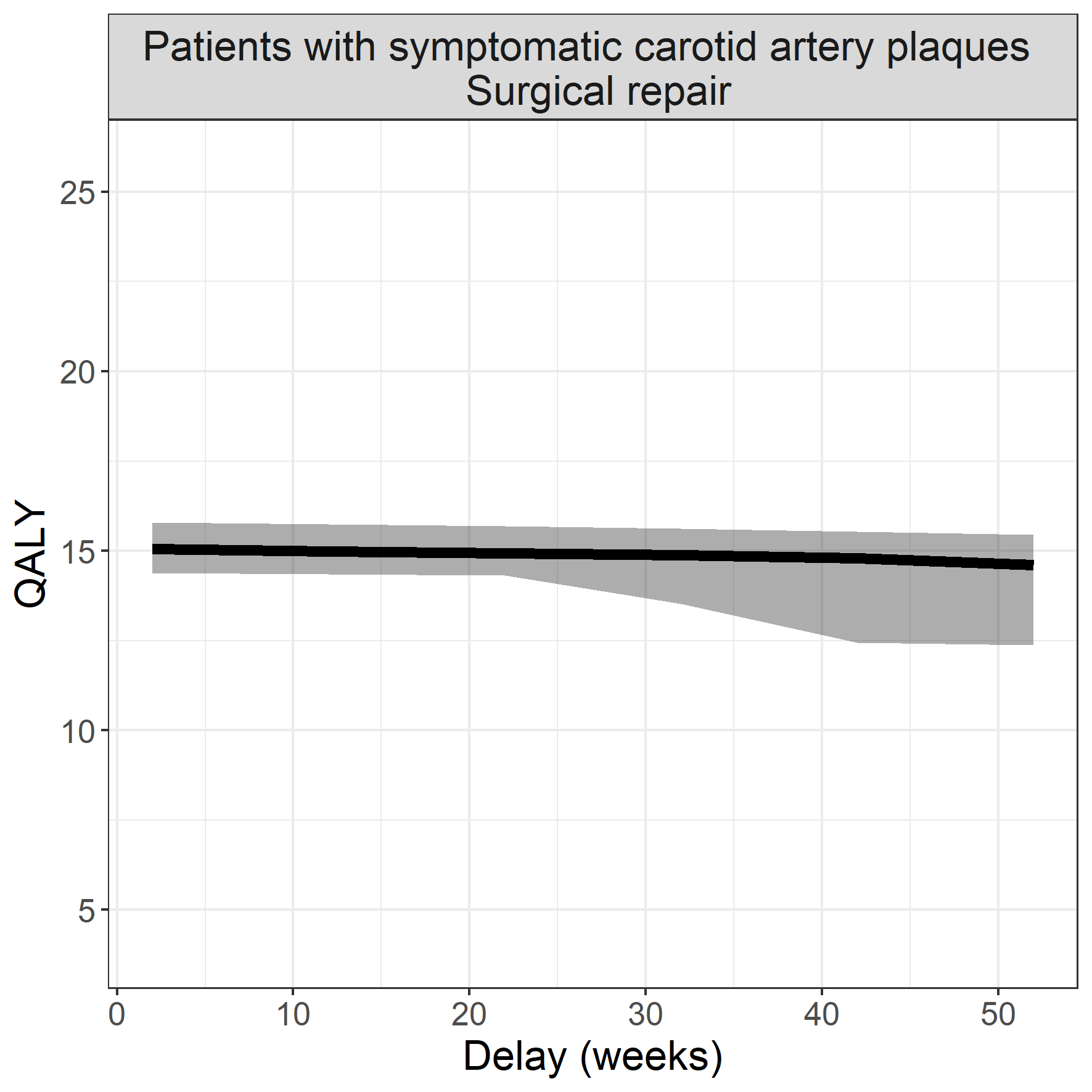
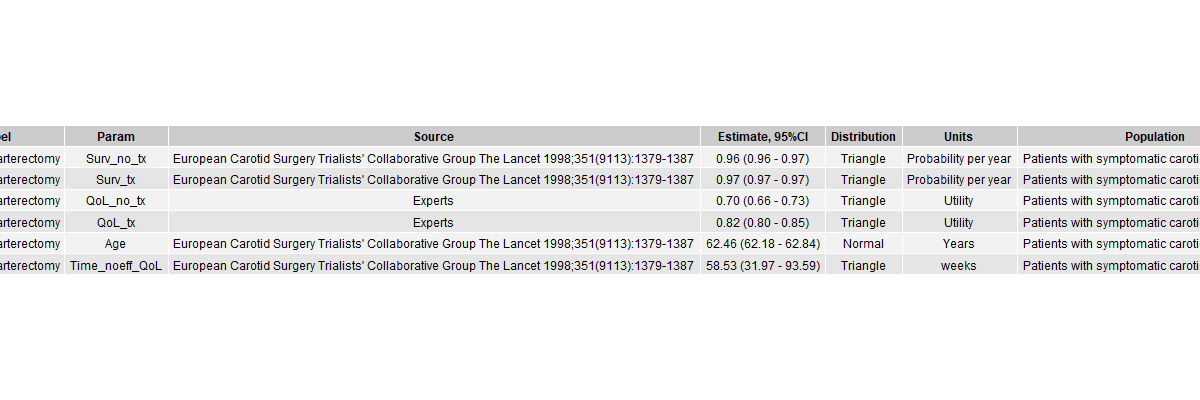
## High-grade glioma

**Surgical procedure: transcranial resection**



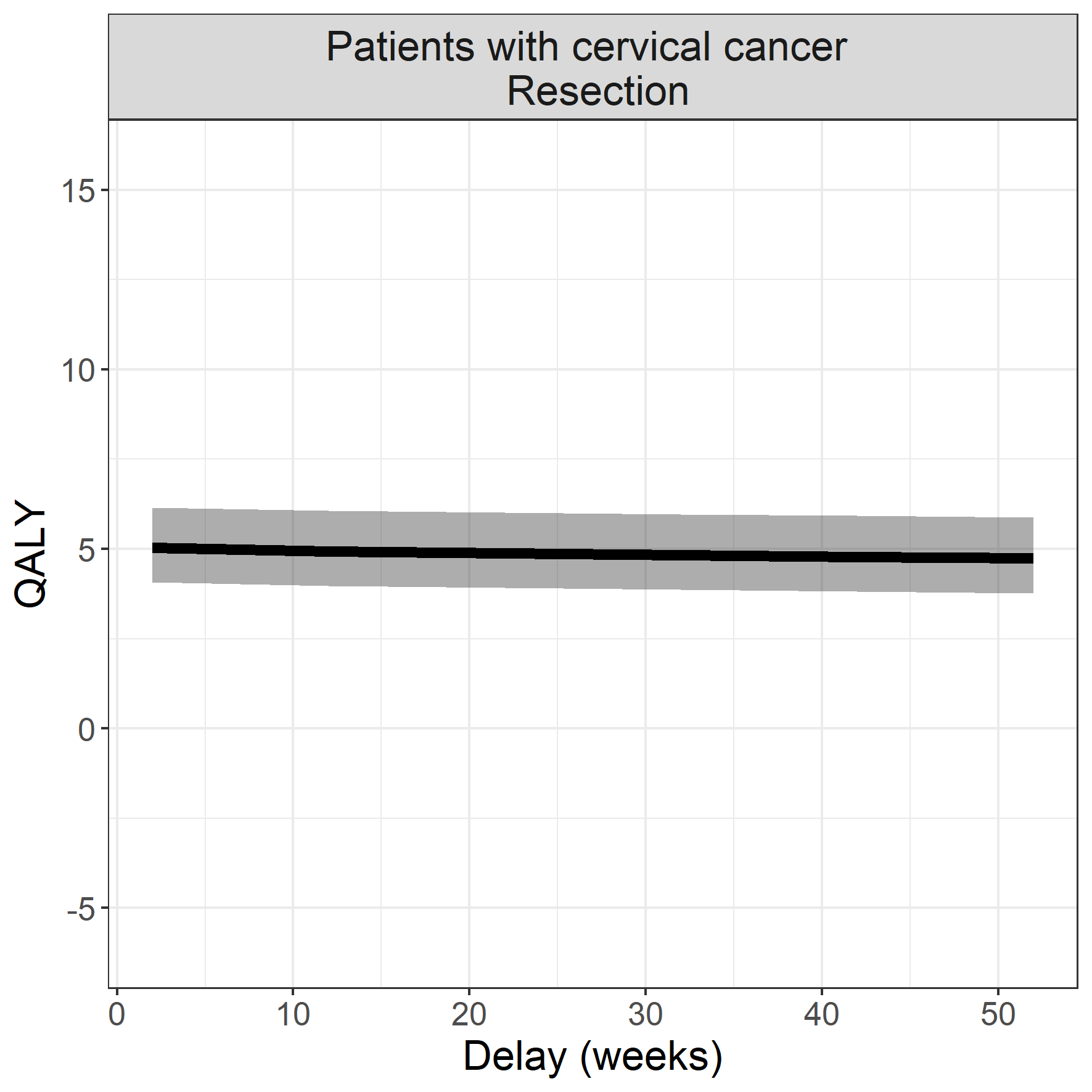
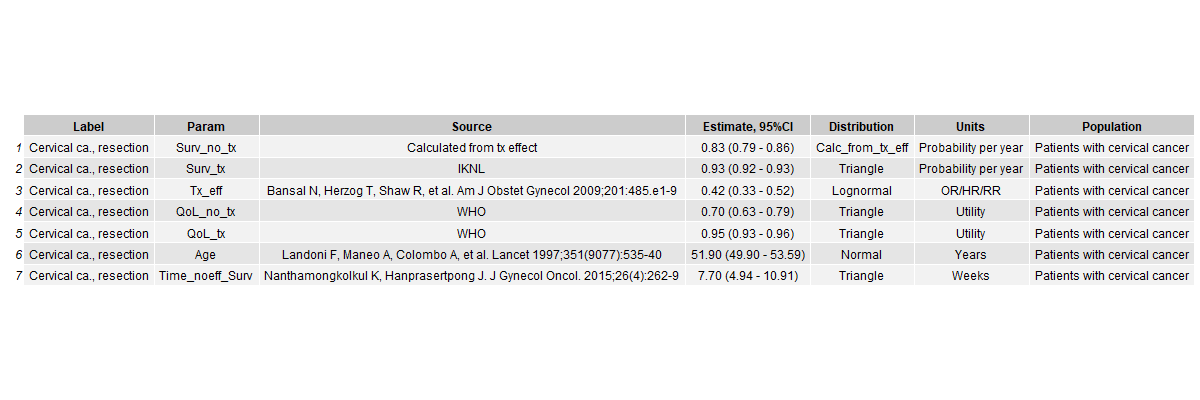
## Symptomatic carotid artery plaques

**Surgical procedure: endarterectomy**



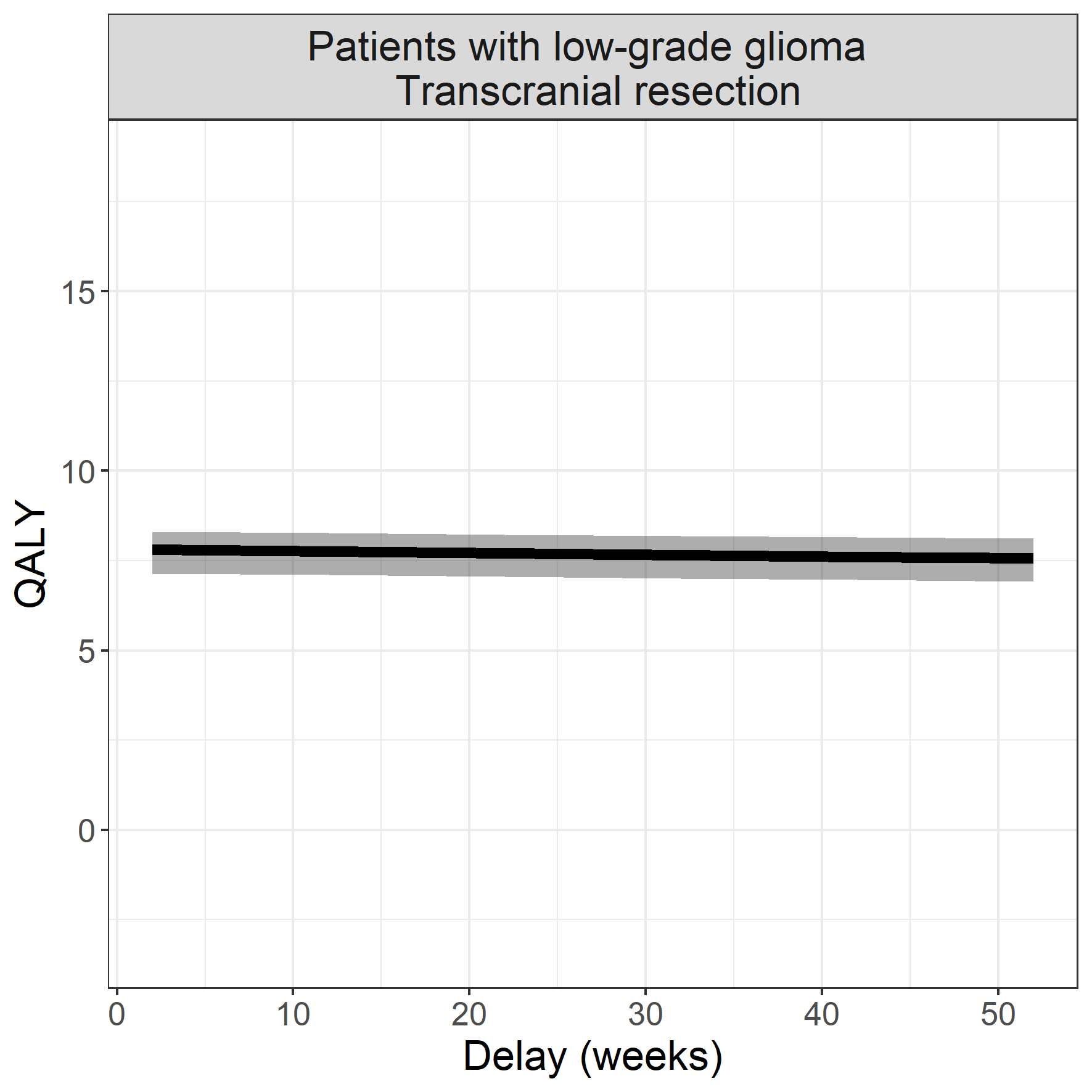
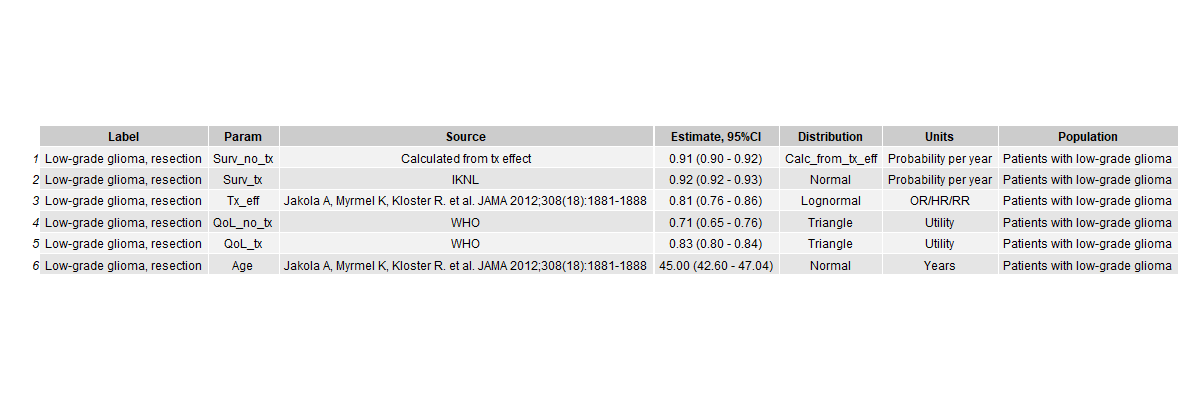
## Cervical cancer

**Surgical procedure: surgical resection**



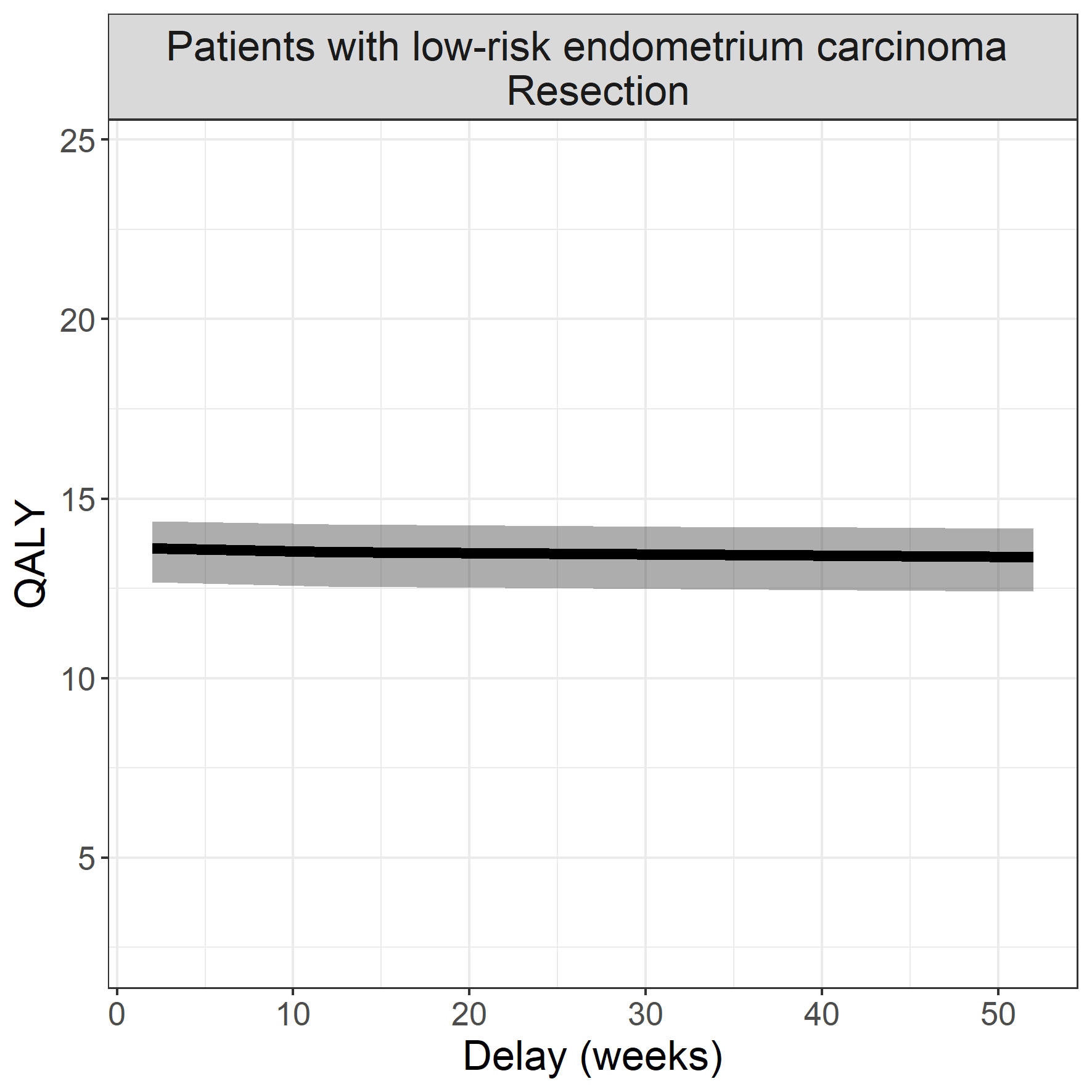
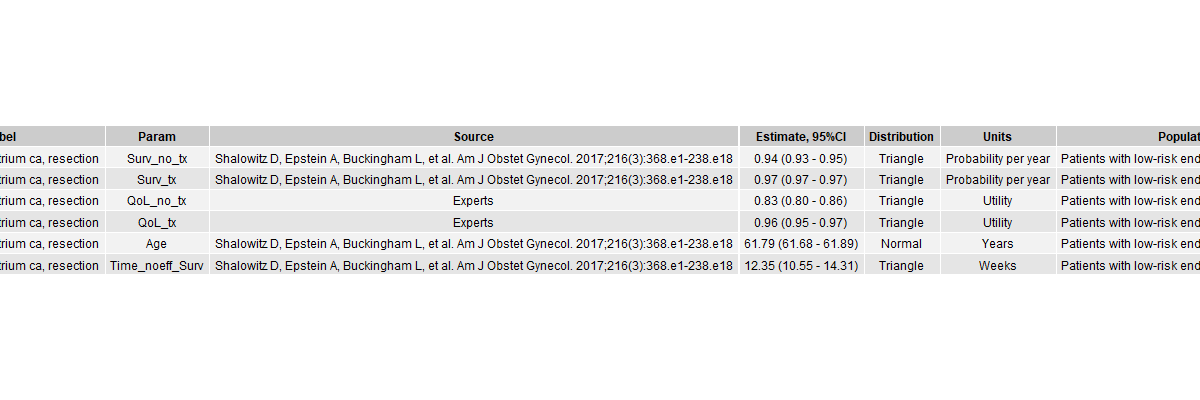
## Low-grade glioma

**Surgical procedure: transcranial resection**



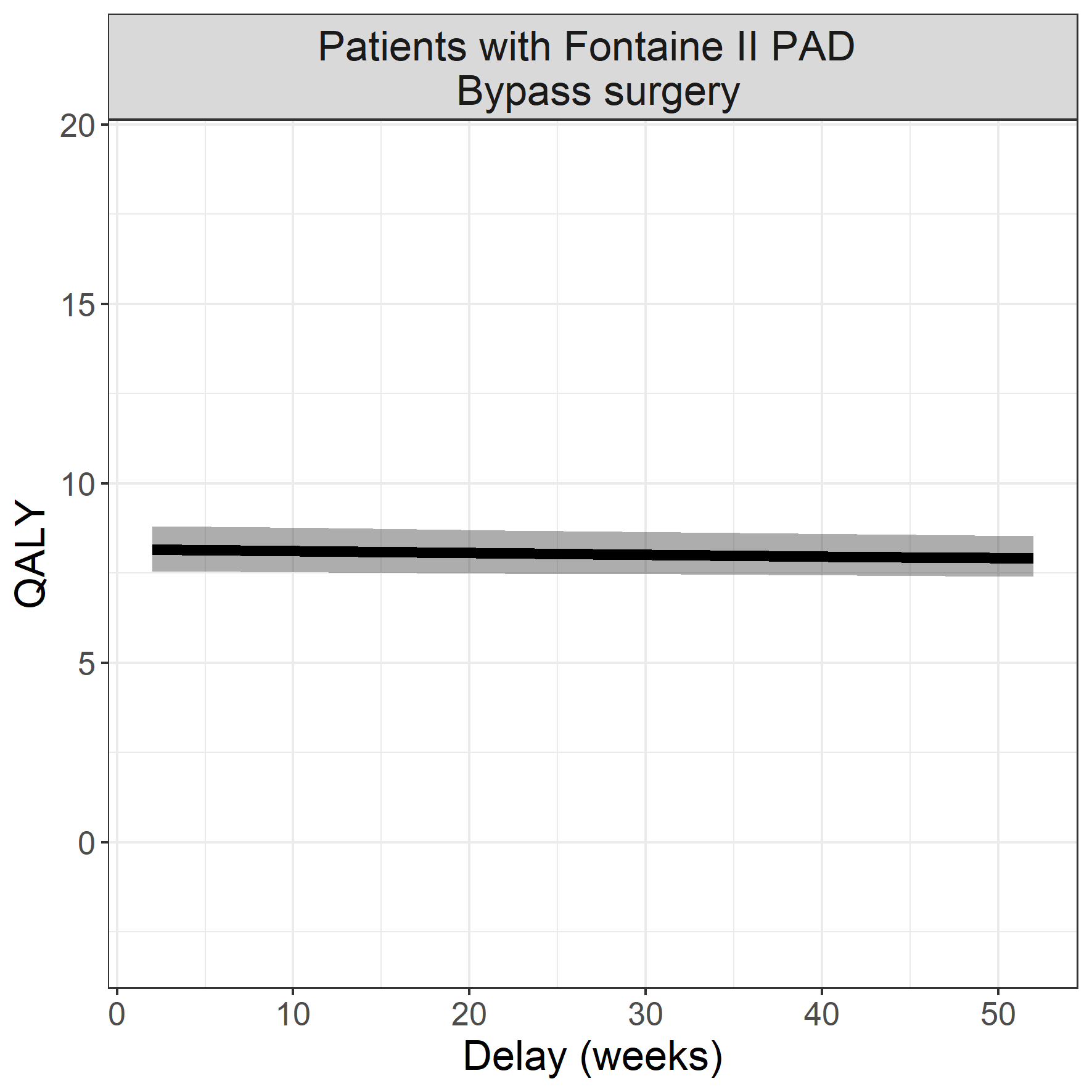
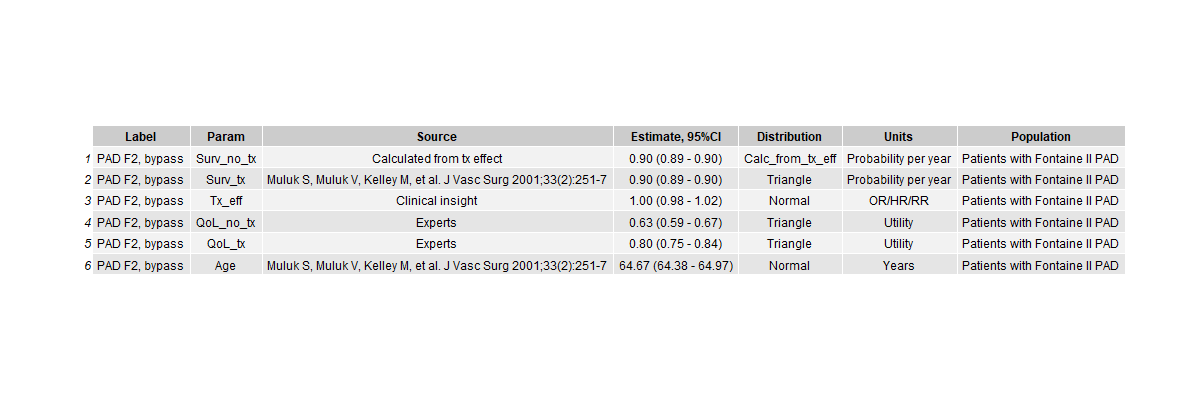
## Low-risk endometrium carcinoma

**Surgical procedure: surgical resection**



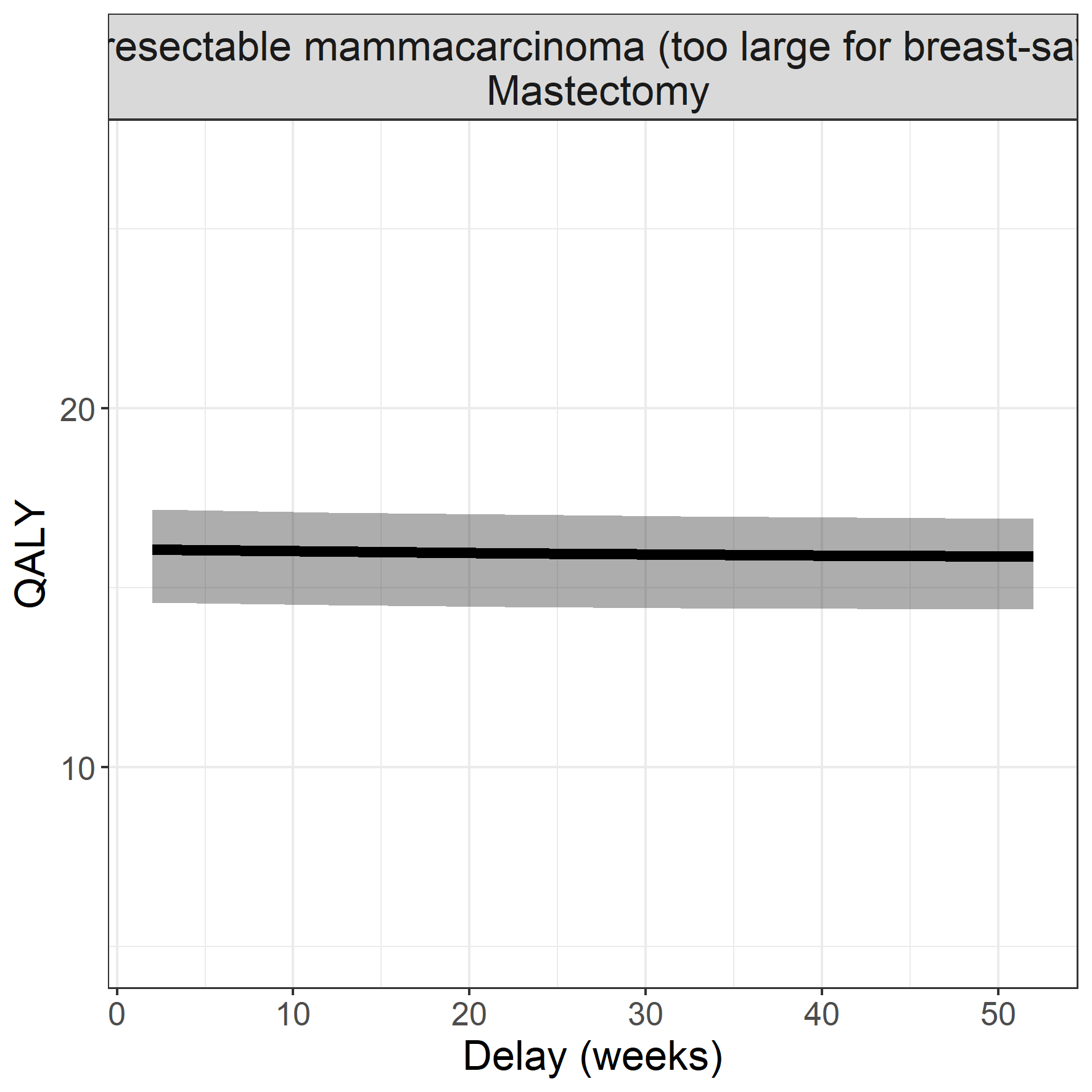
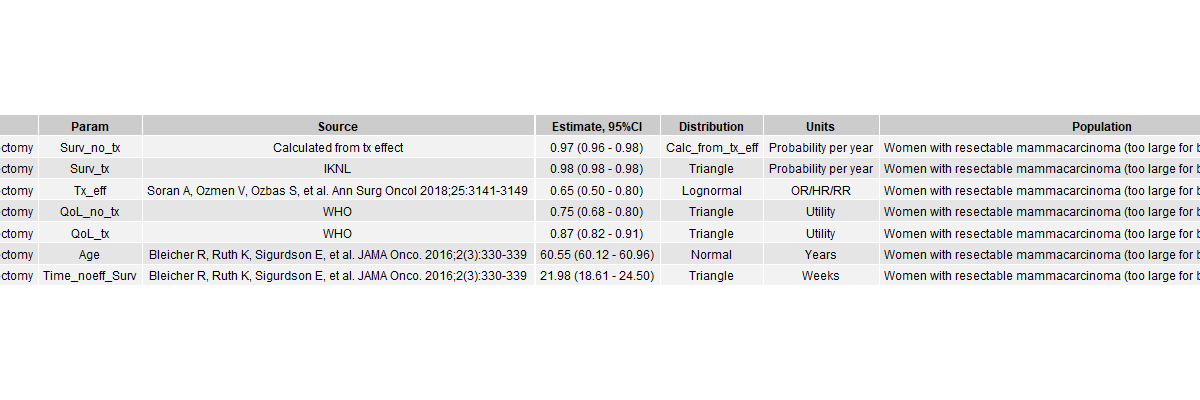
## Fontaine II peripheral artery disease

**Surgical procedure: bypass surgery**



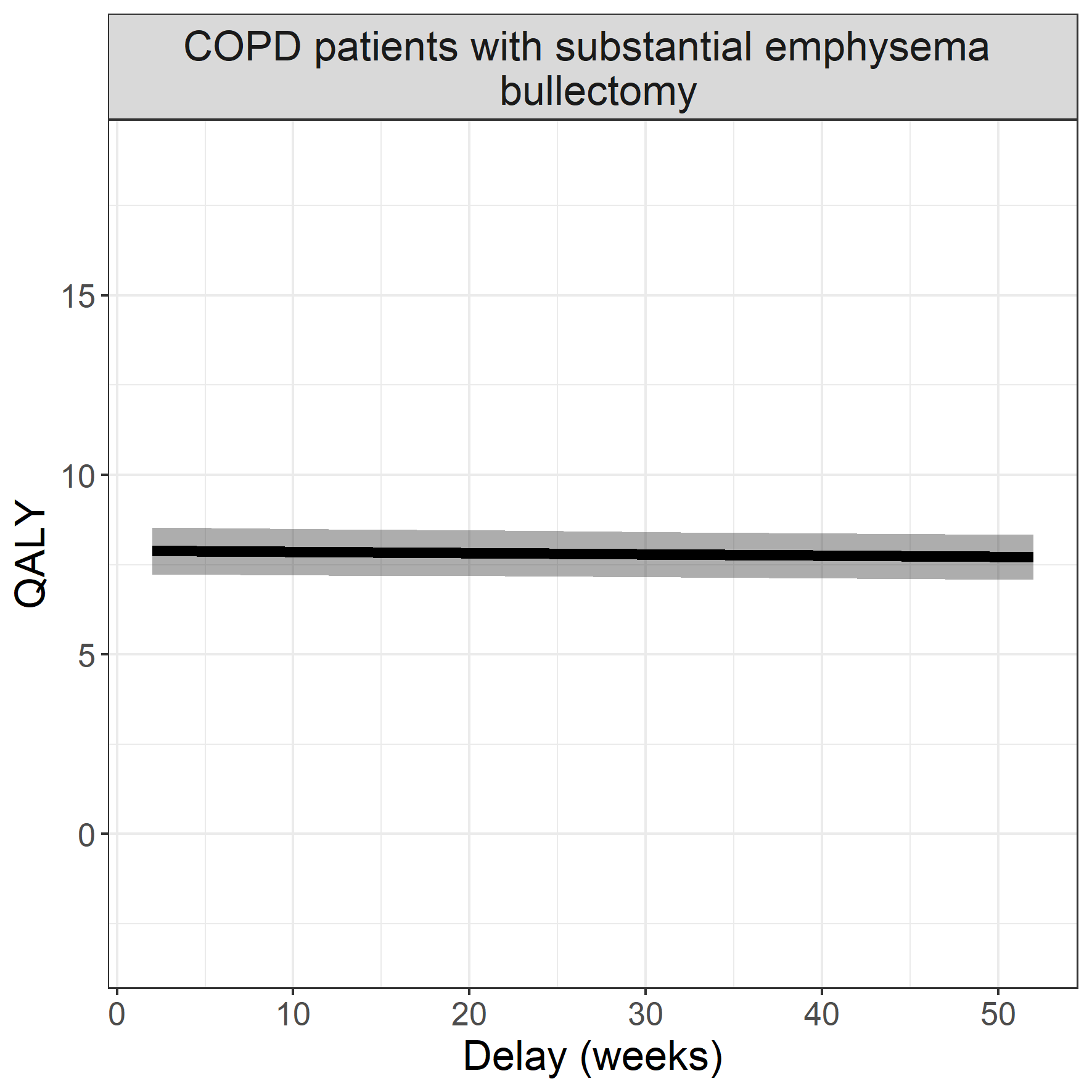
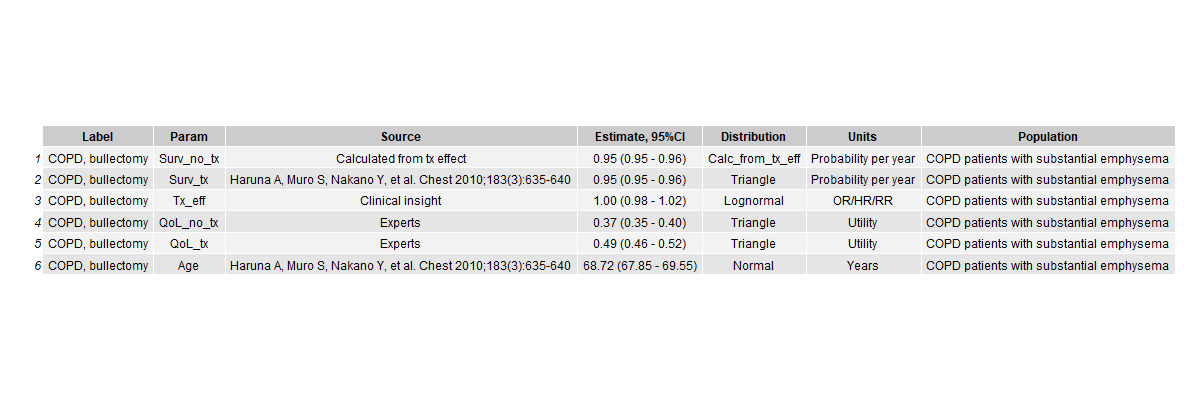
## Resectable mammacarcinoma

**Surgical procedure: mammectomy**



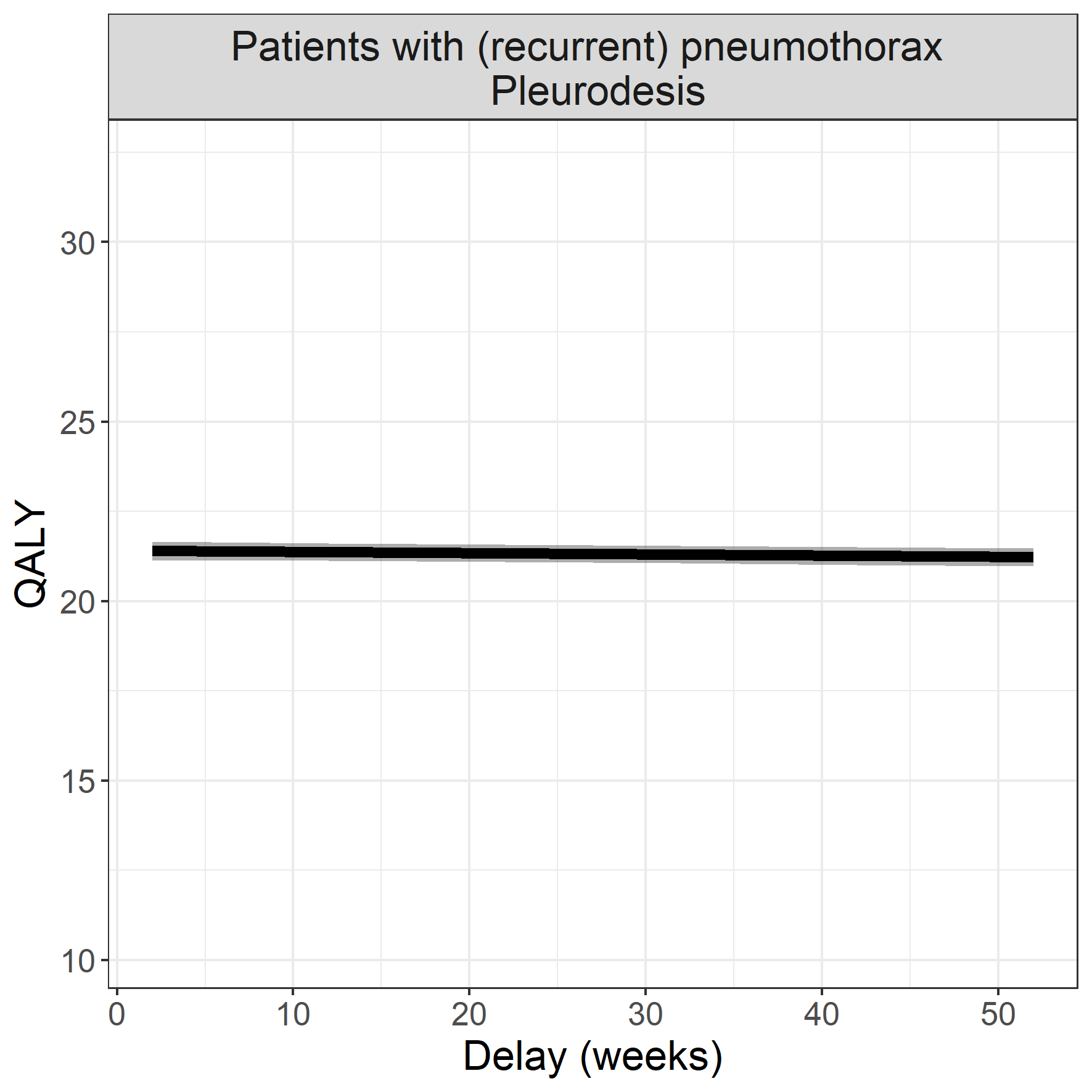
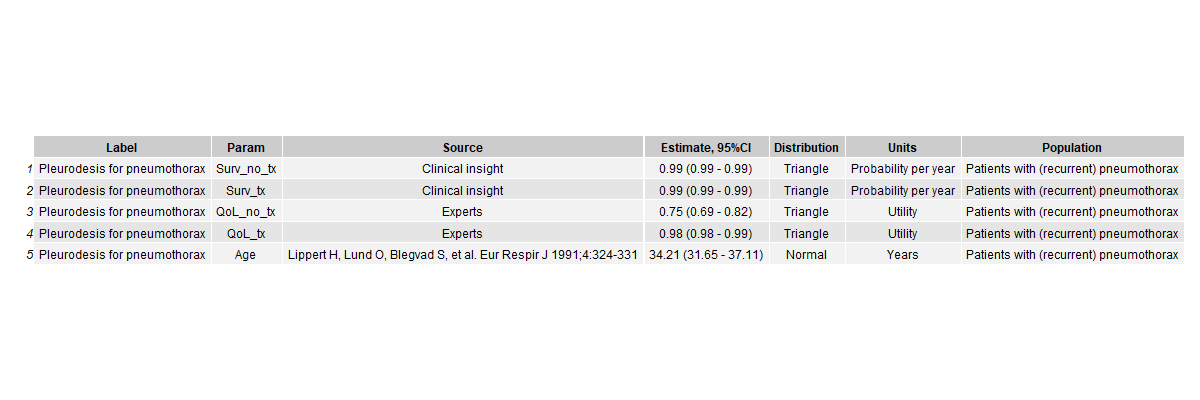
## COPD with substantial emphysema

**Surgical procedure: bullectomy**



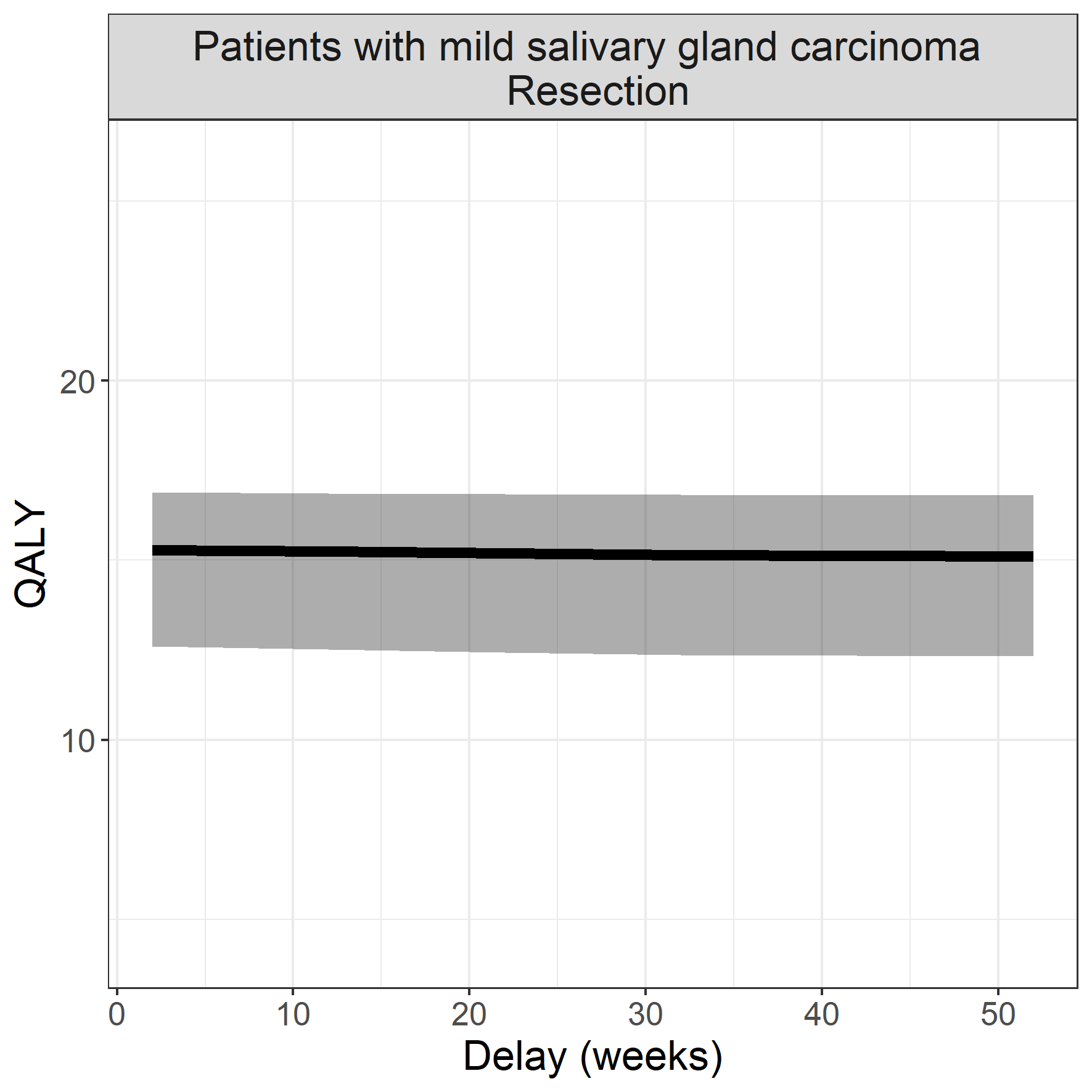
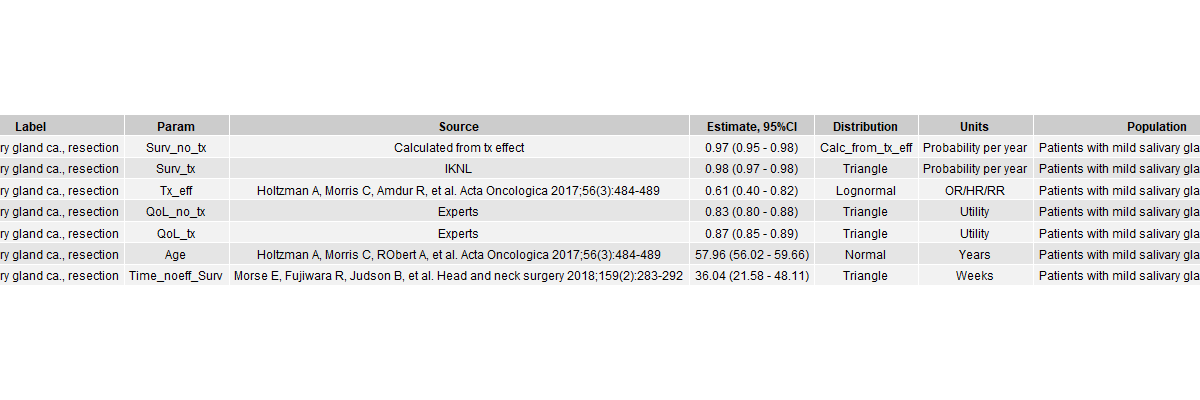
## Recurrent pneumothorax

**Surgical procedure: pleurodesis**



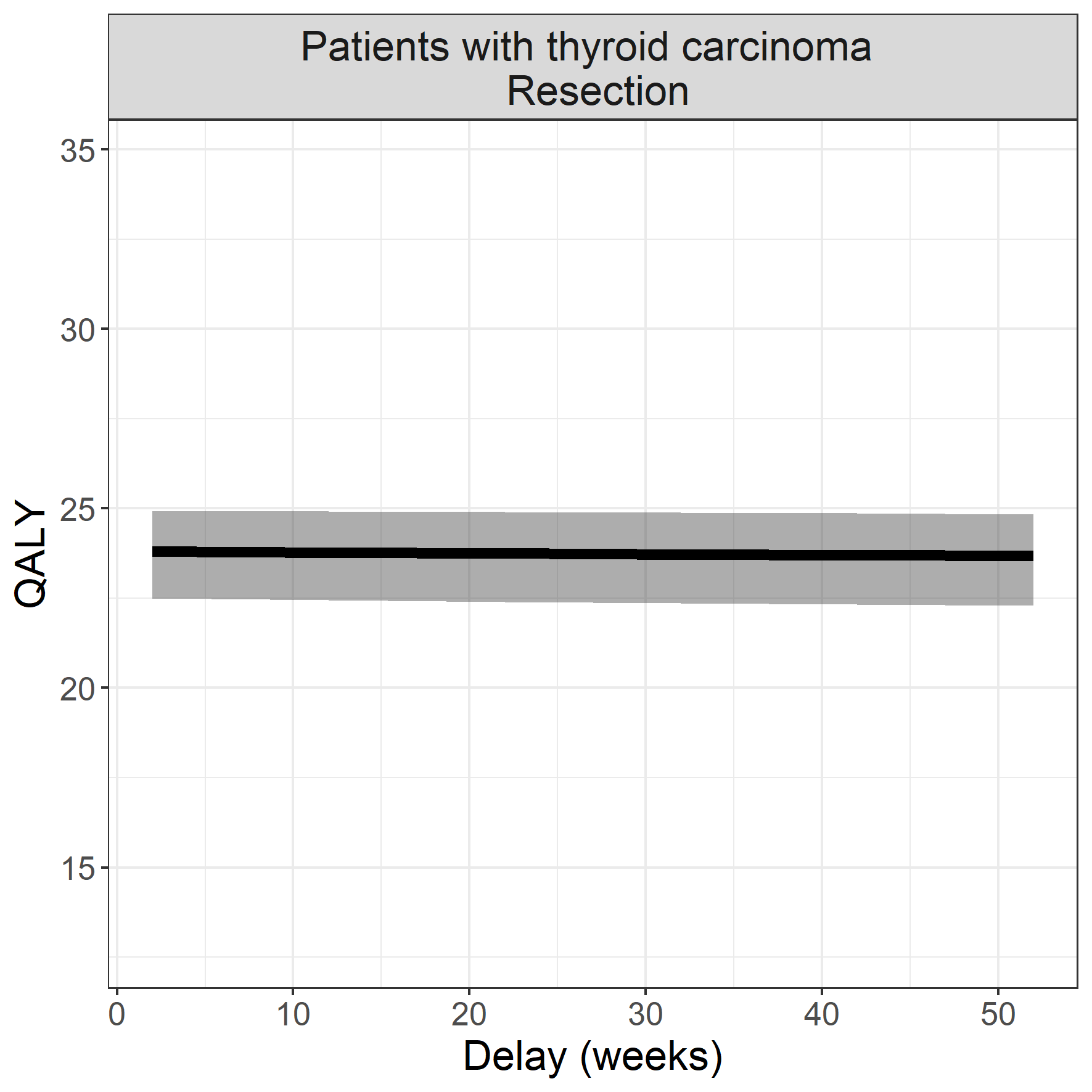
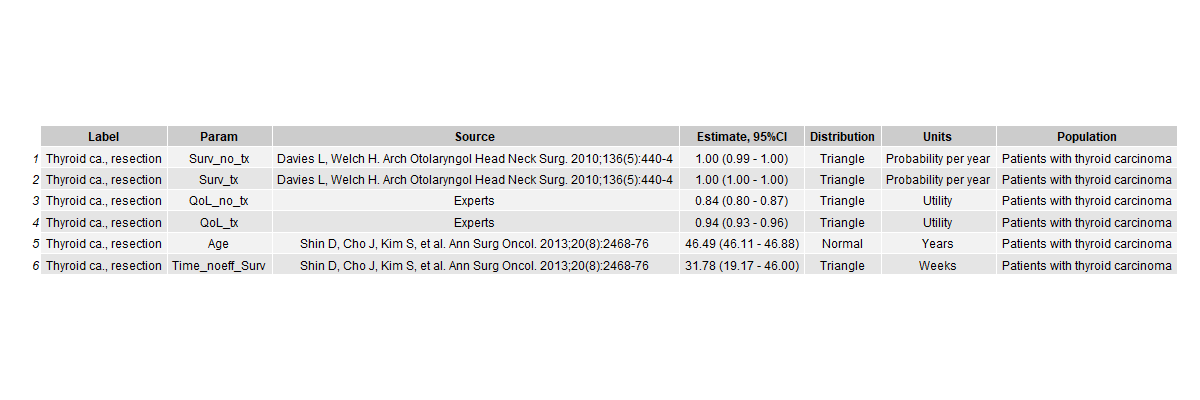
## Mild salivary gland carcinoma

**Surgical procedure: surgical resection**



## Thyriod carcinoma

**Surgical procedure: surgical resection**



## End-stage renal disease

**Surgical procedure: installment of shunt for hemodialysis**

