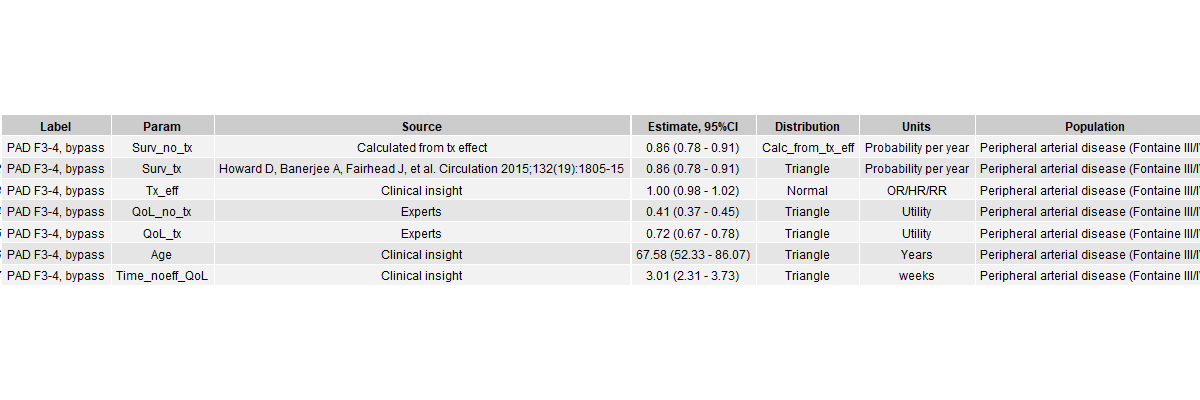
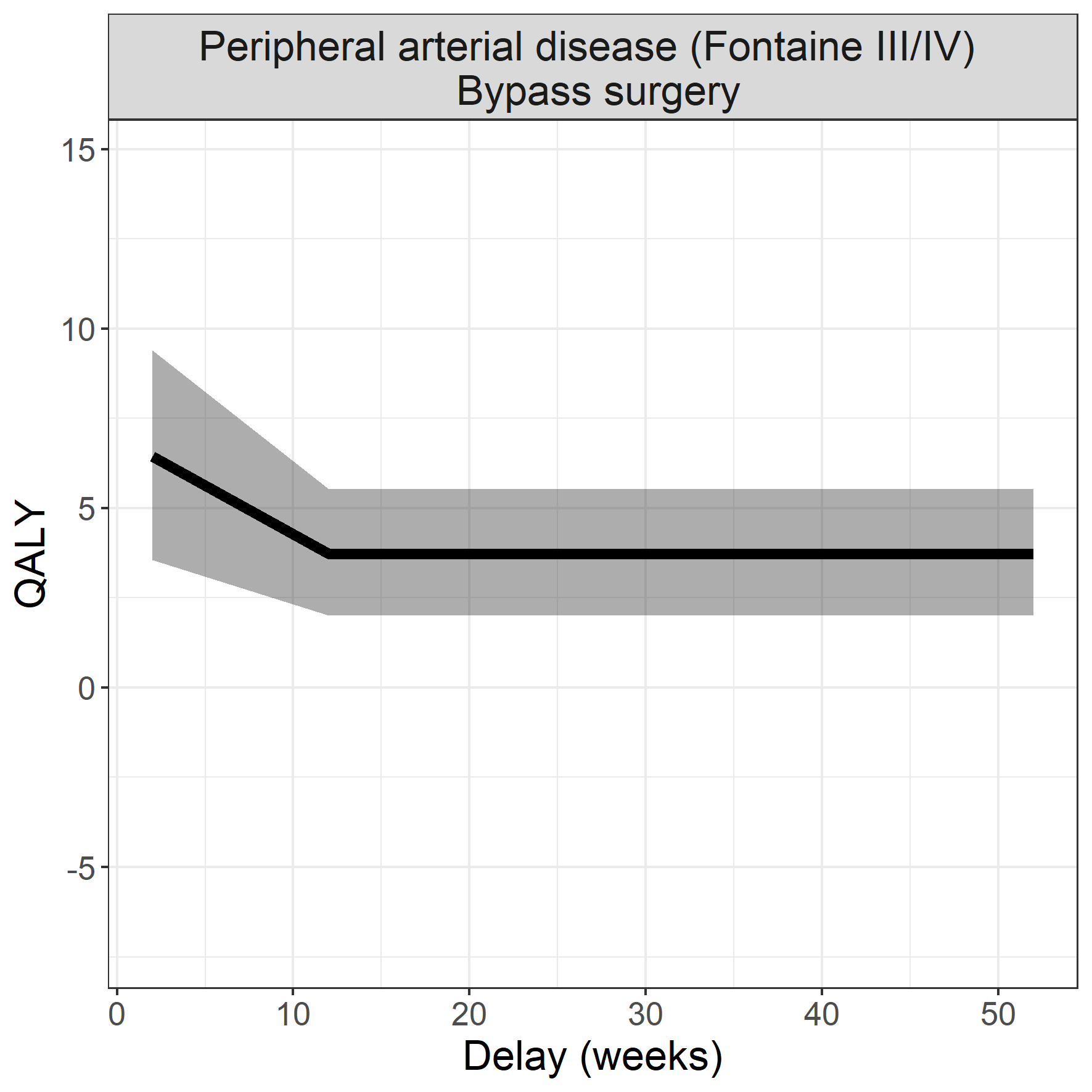
Appendix A: An overview per disease of the distribution and source of the input parameters and a graphical representation of the output of the model.

## Peripheral arterial disease (Fontaine III/IV)

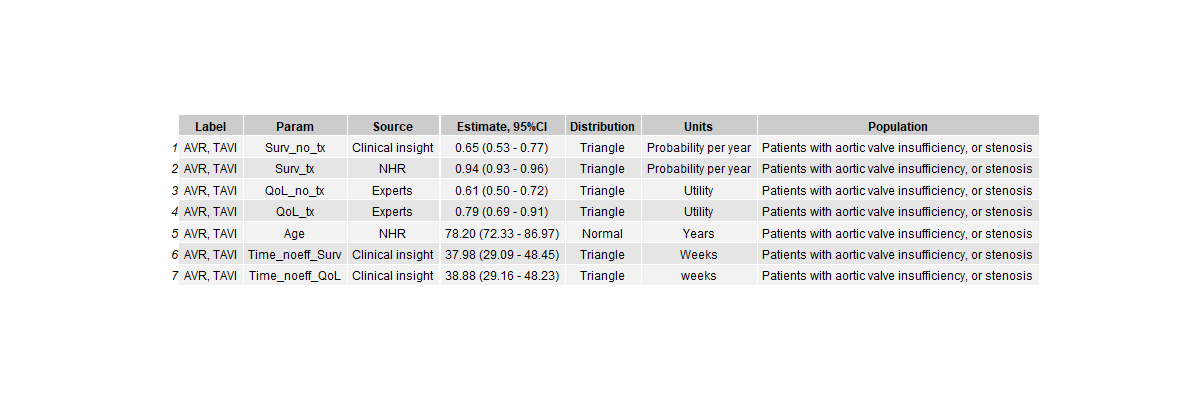
### Surgical procedure: Bypass surgery





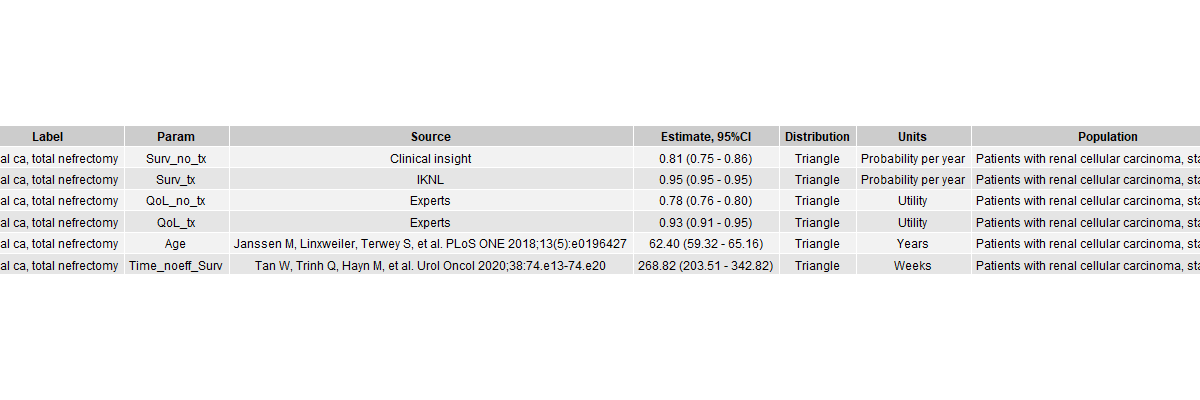
## Aortic valve insufficiency or stenosis

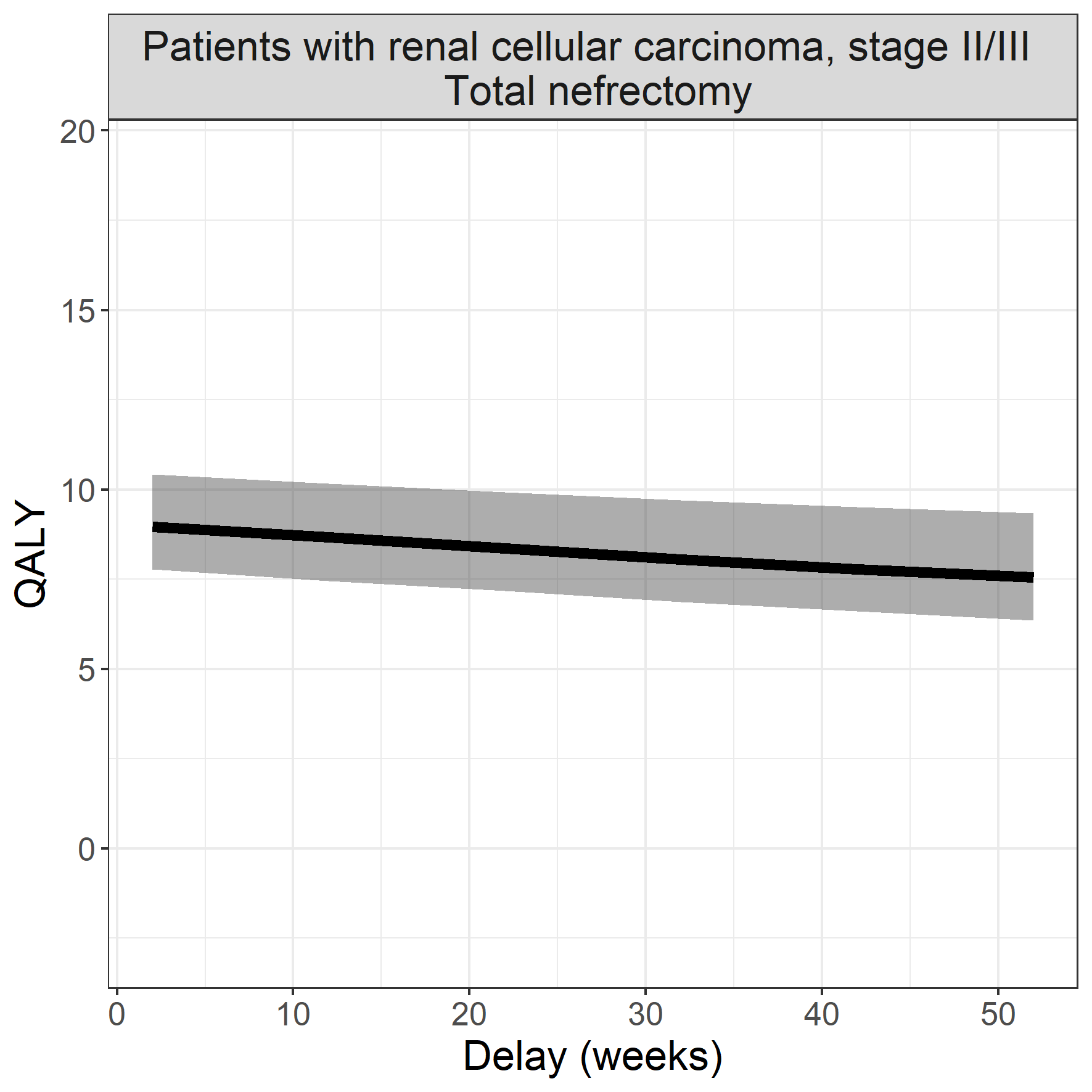
### Surgical procedure: Aortic valve replacement (transaortic valve implantation)



## Renal cellular carcinoma, stage II/III

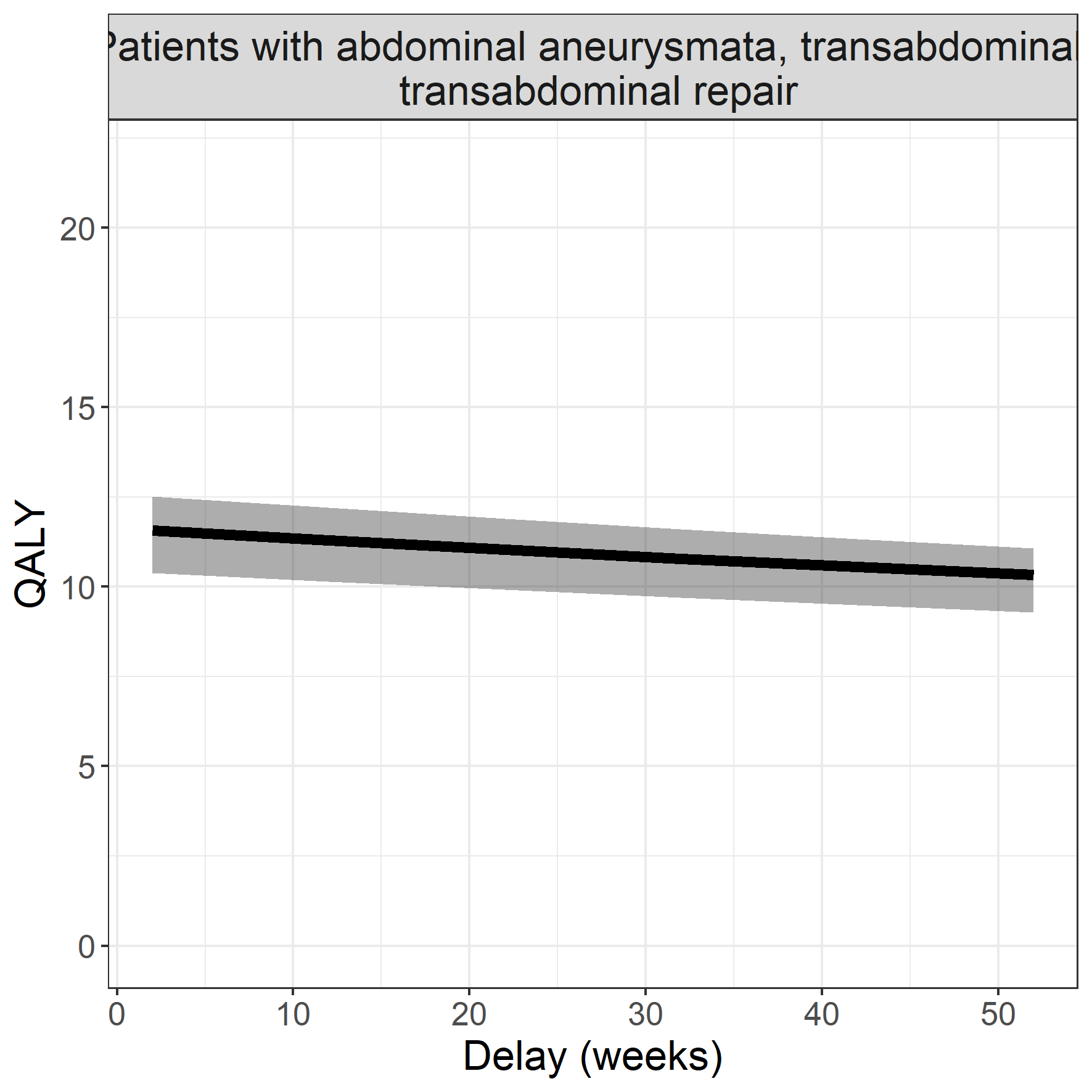
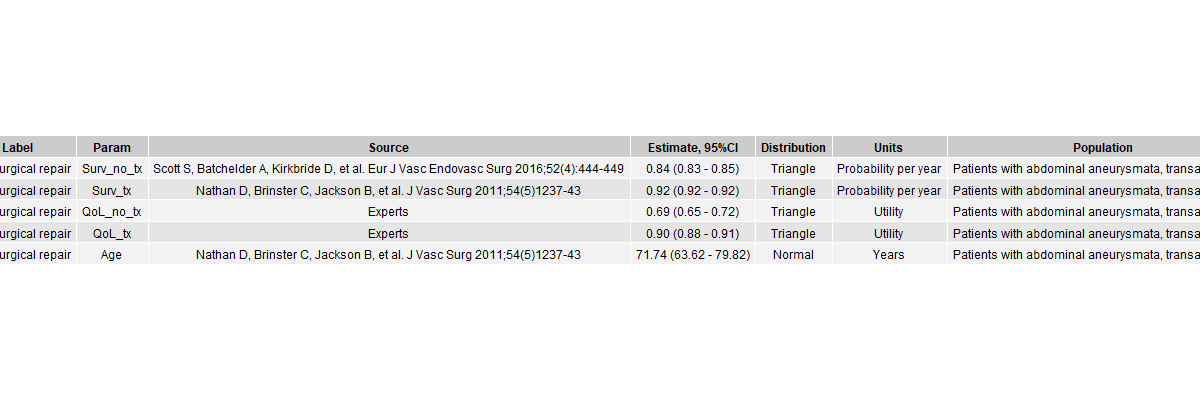
### Surgical procedure: Total nefrectomy





## Abdominal aneurysma of the aorta

### Surgical procedure: transabdominal repair



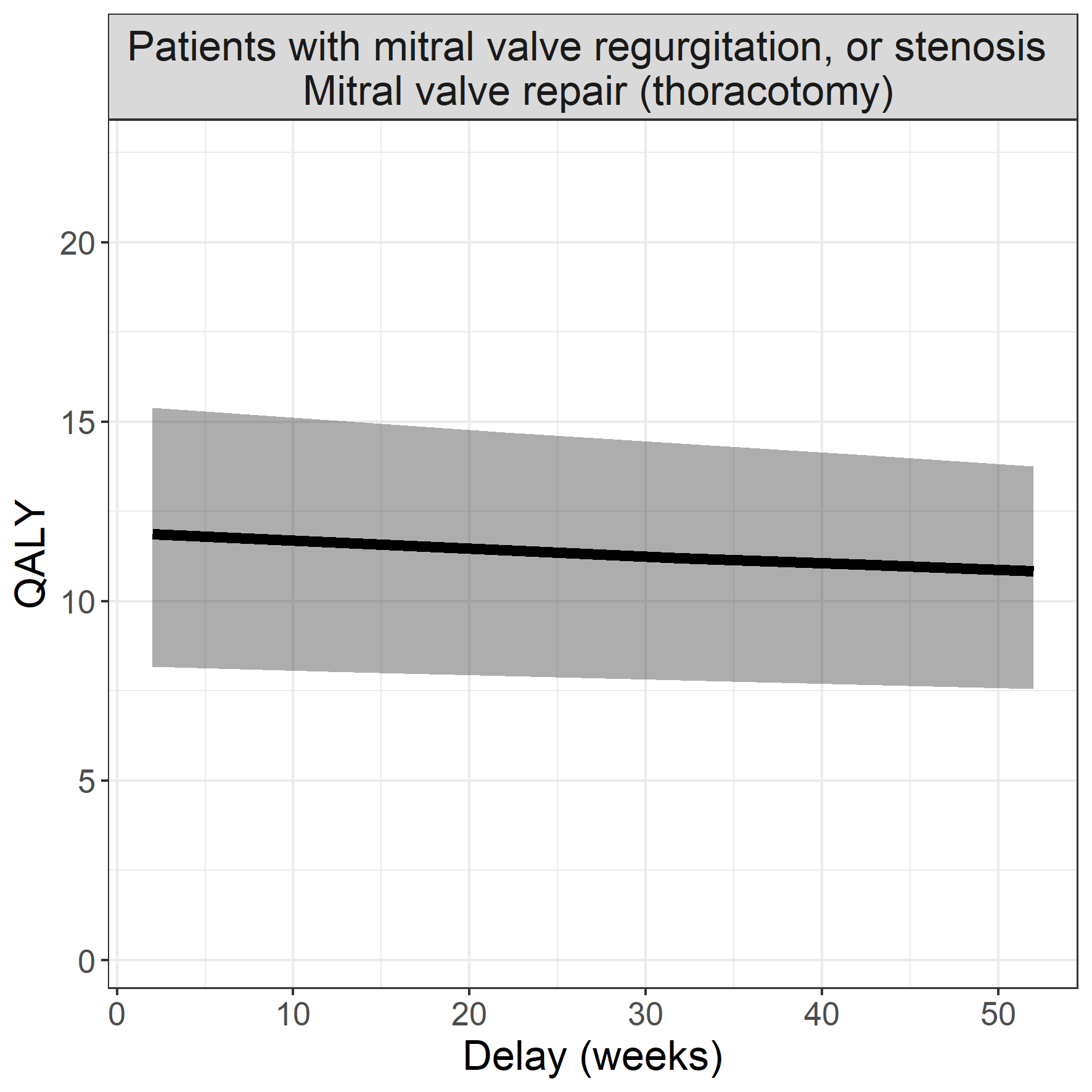
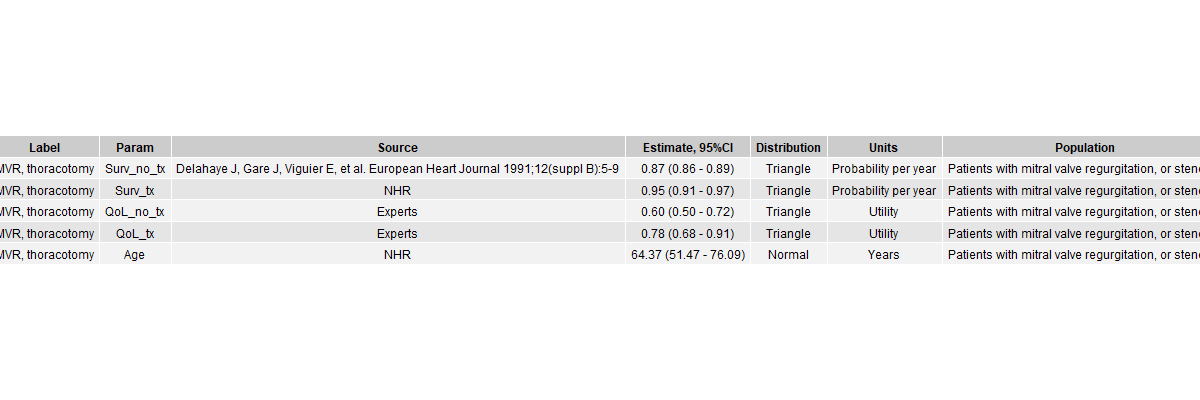
## Arrythmias (Wolf-Parkinson White, AV-nodal re-entry tachycardia, Flutter)

### Surgical procedure: pacemaker

## 

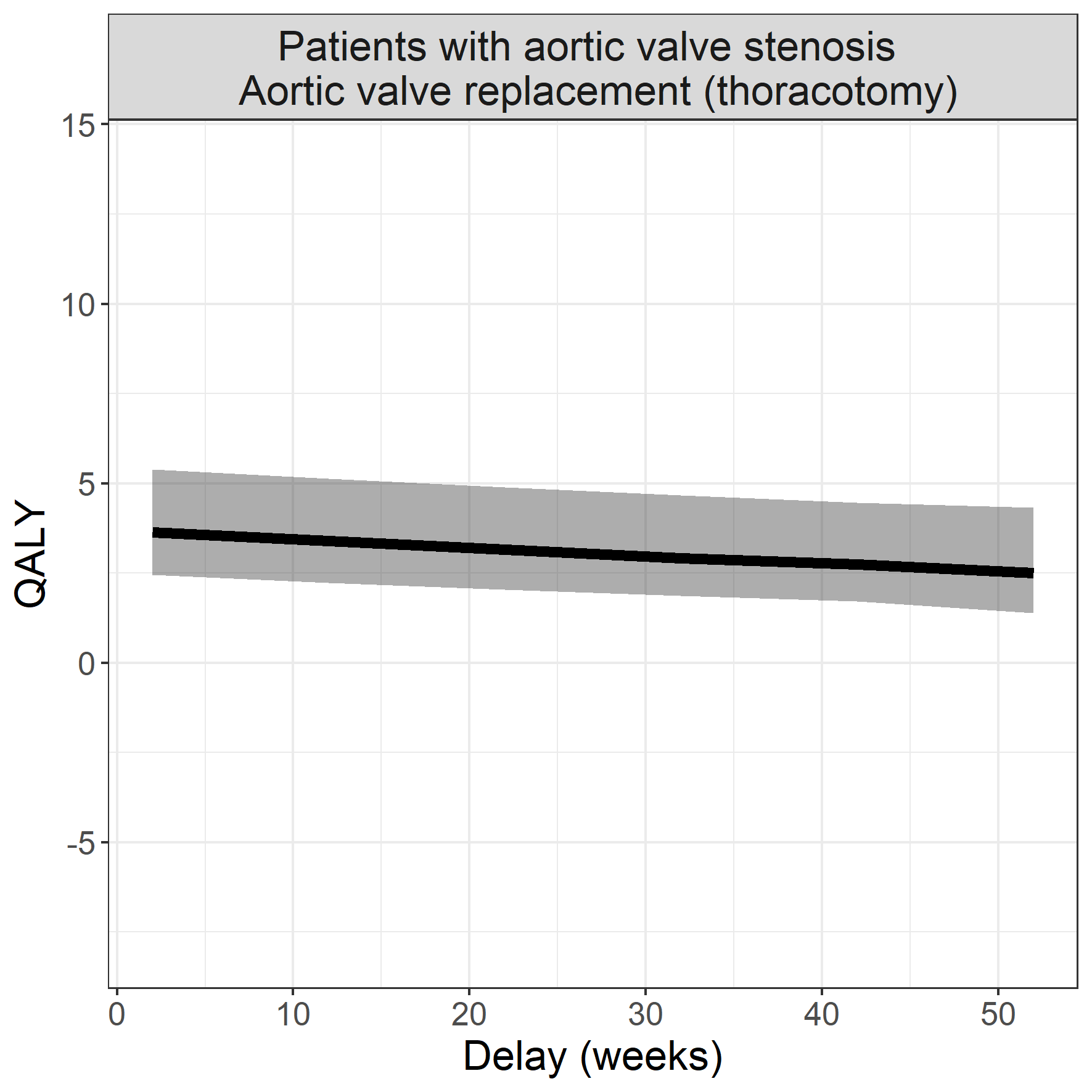
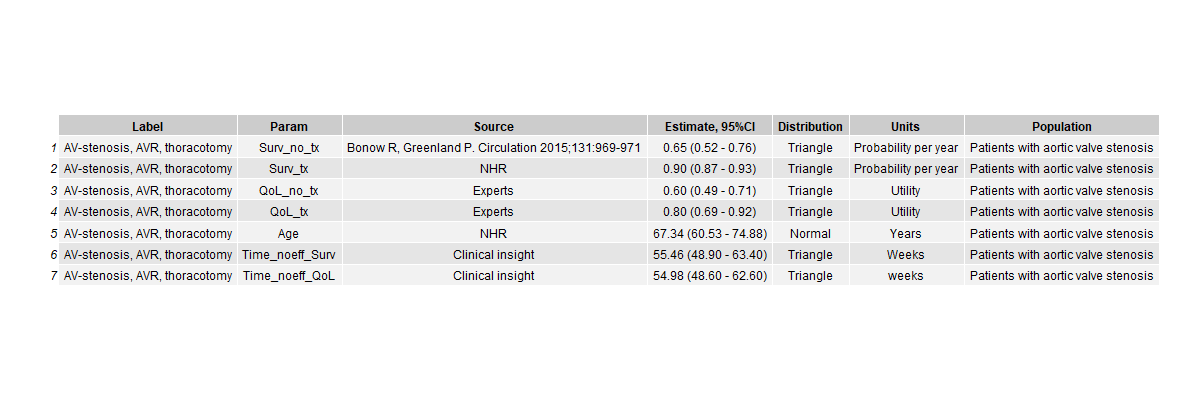
## Mitral valve regurgitation or stenosis

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



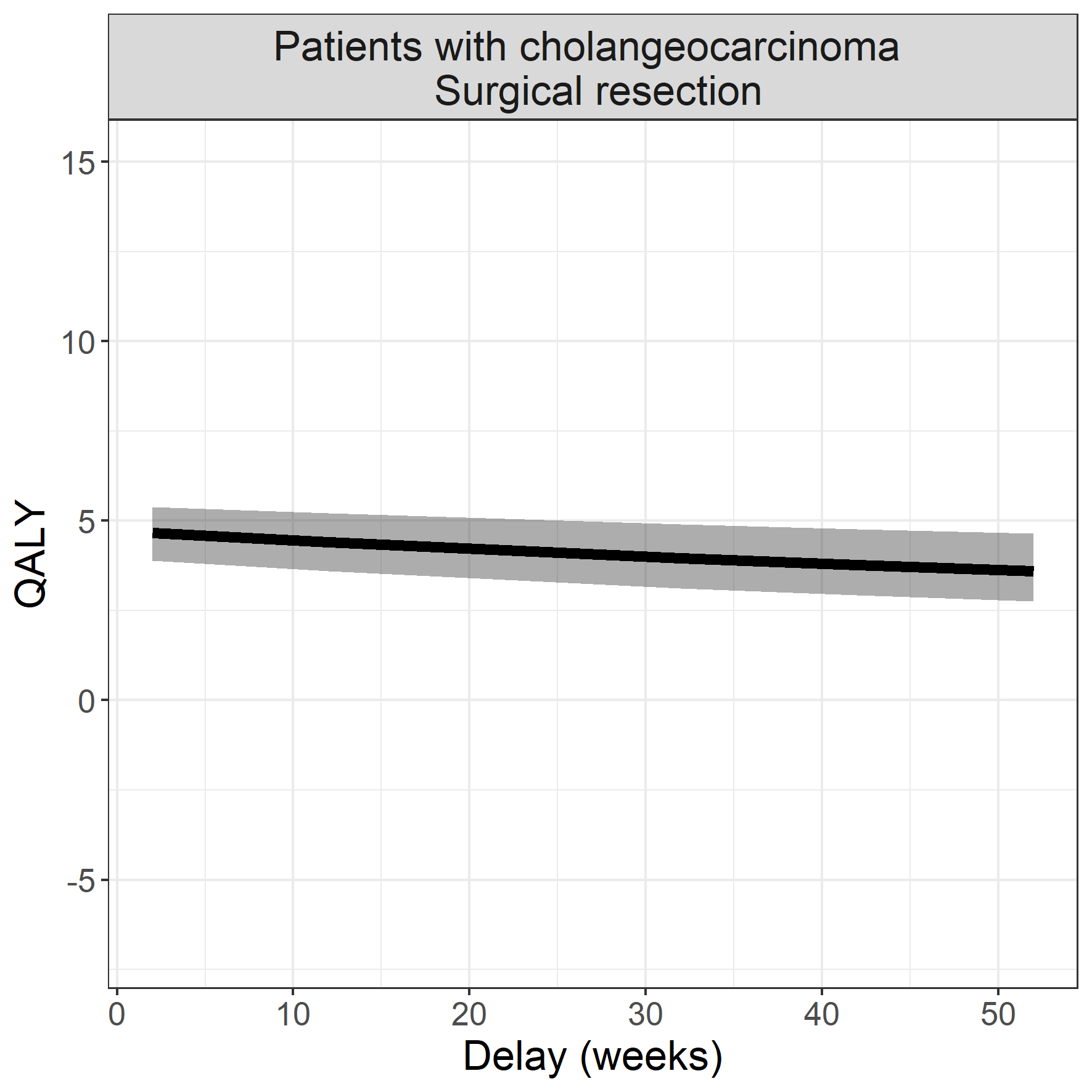
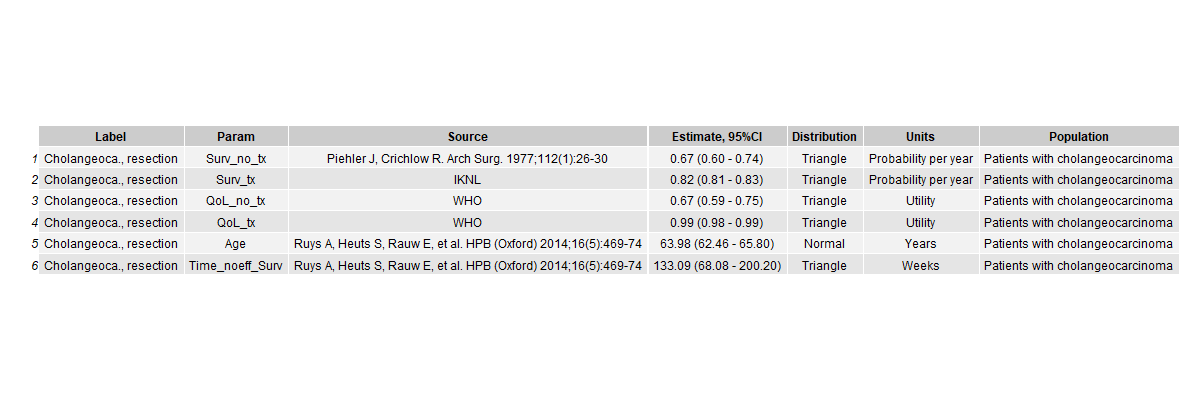
## Aortic valve stenosis

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



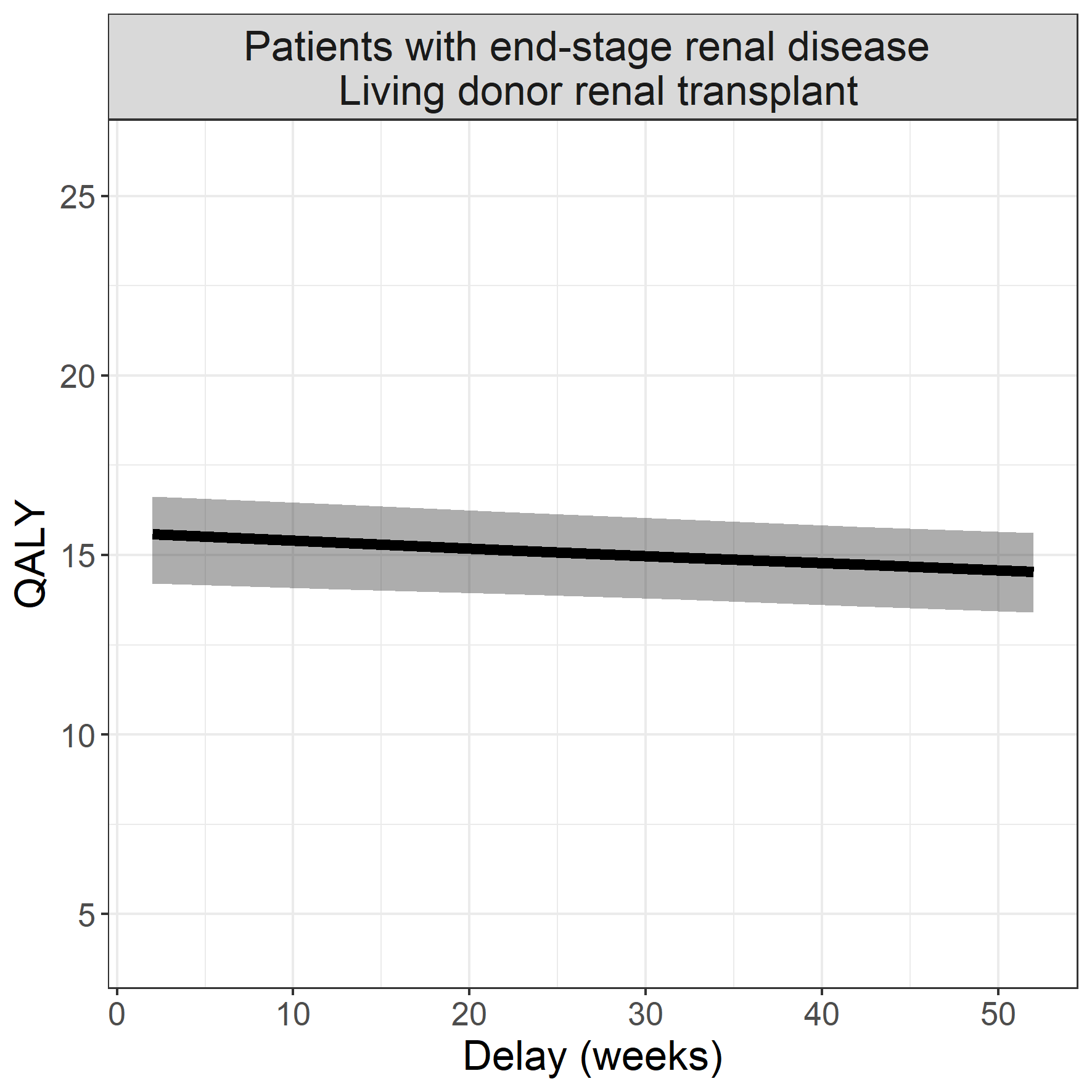
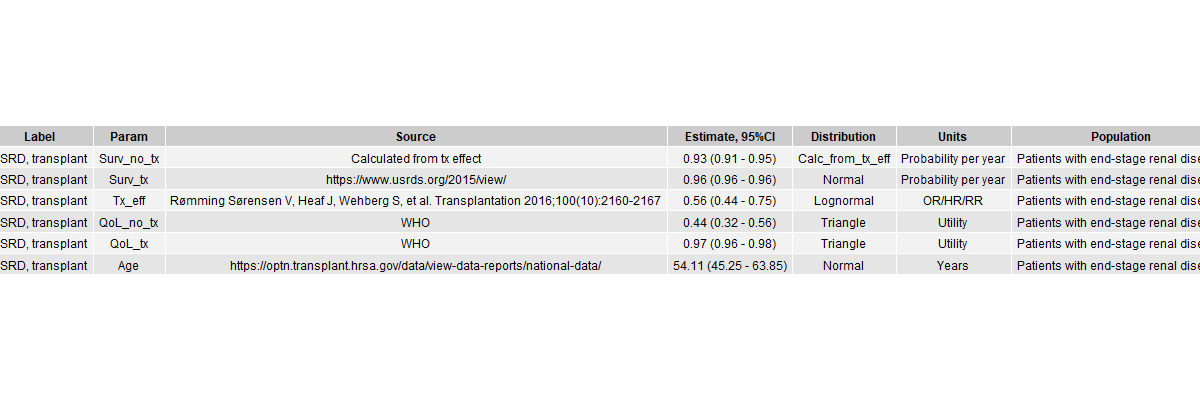
## Cholangeocarcinoma

### Surgical procedure: surgical resection



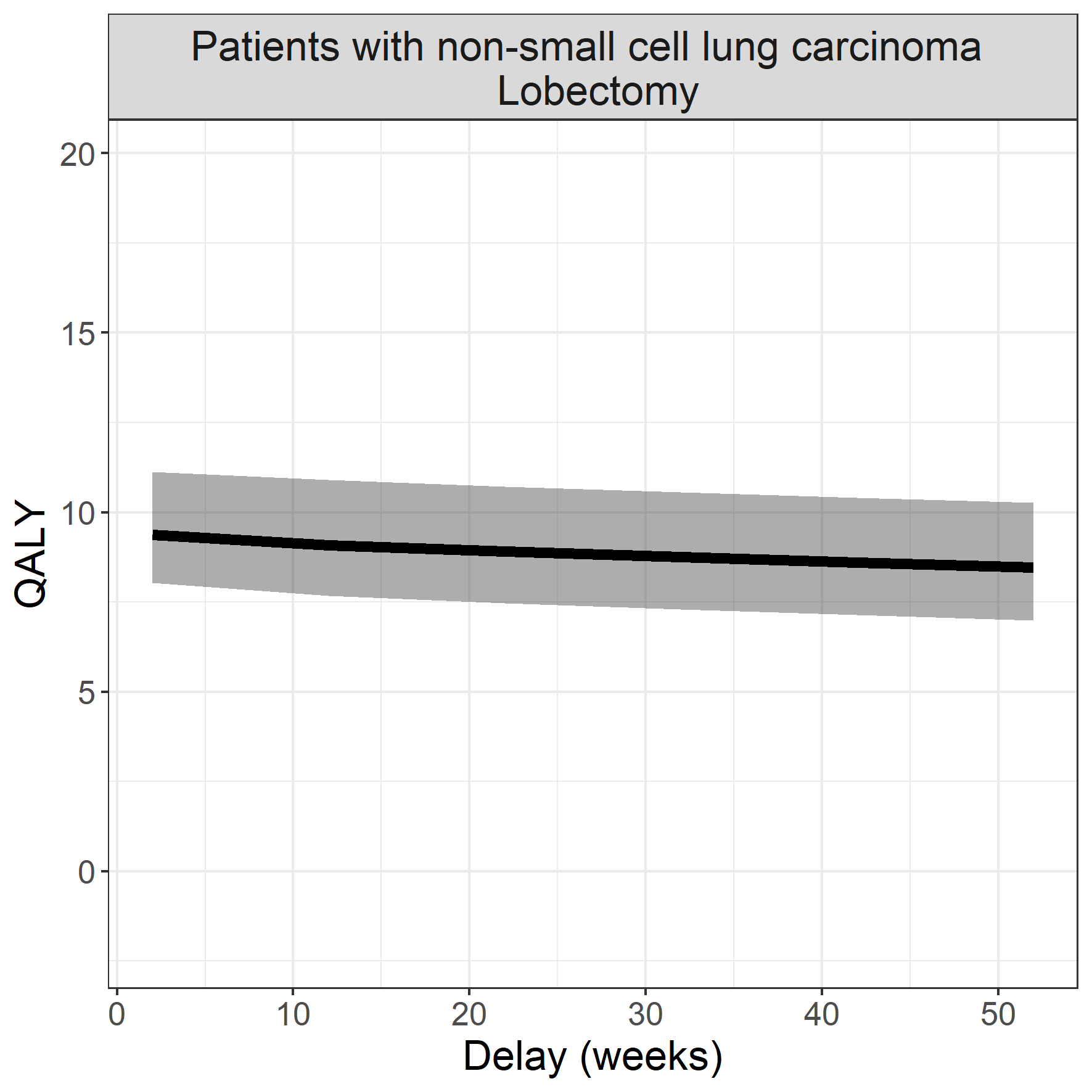
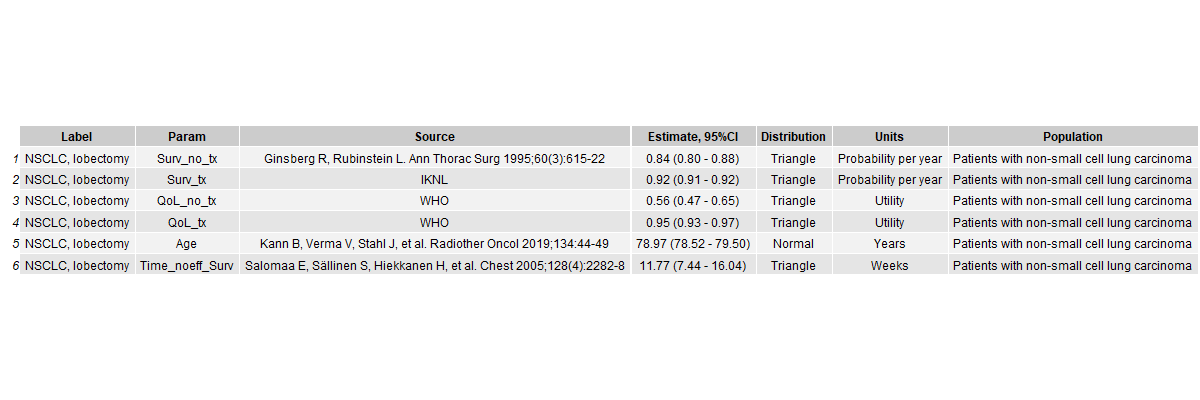
## End-stage renal disease

### Surgical procedure: living donor kidney transplant



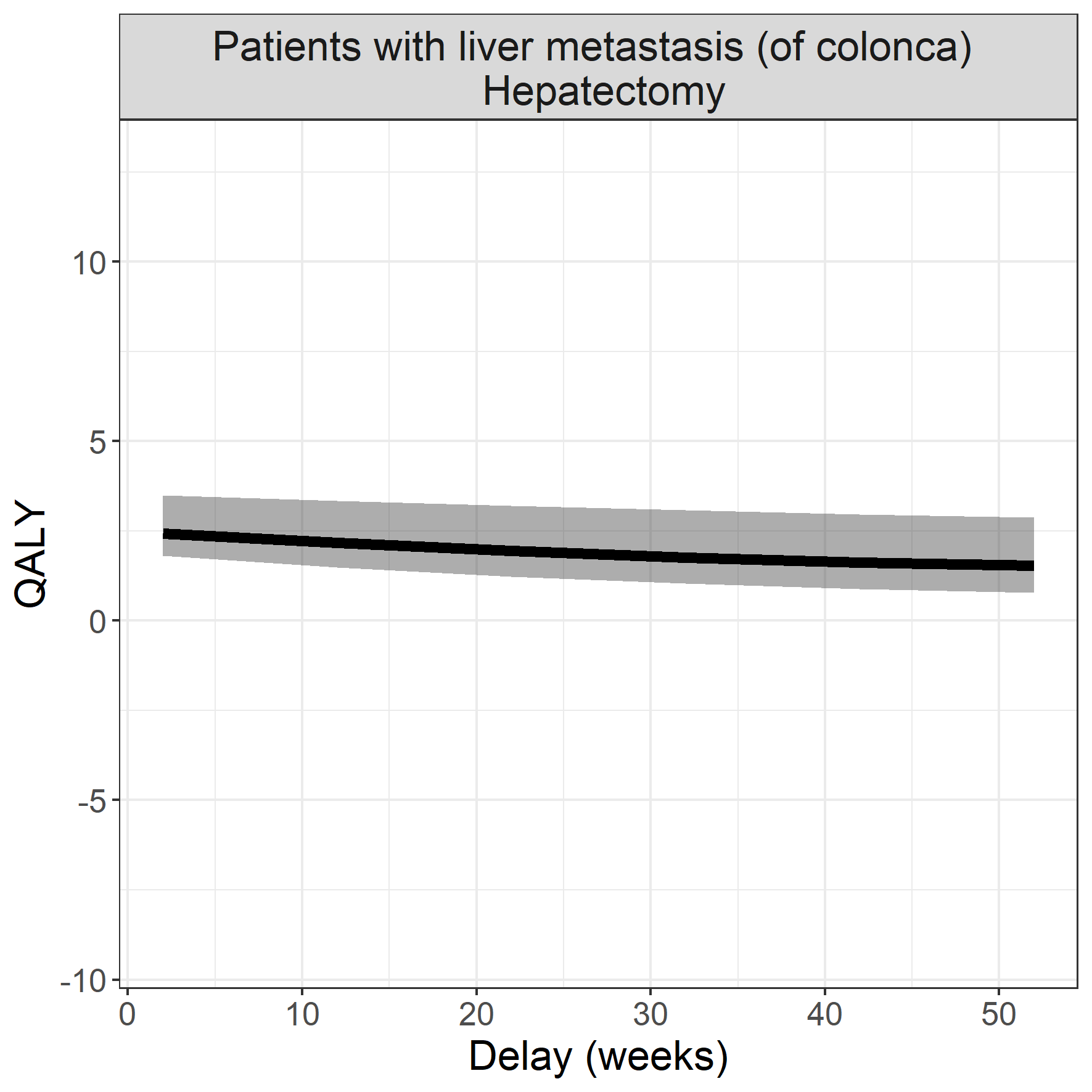
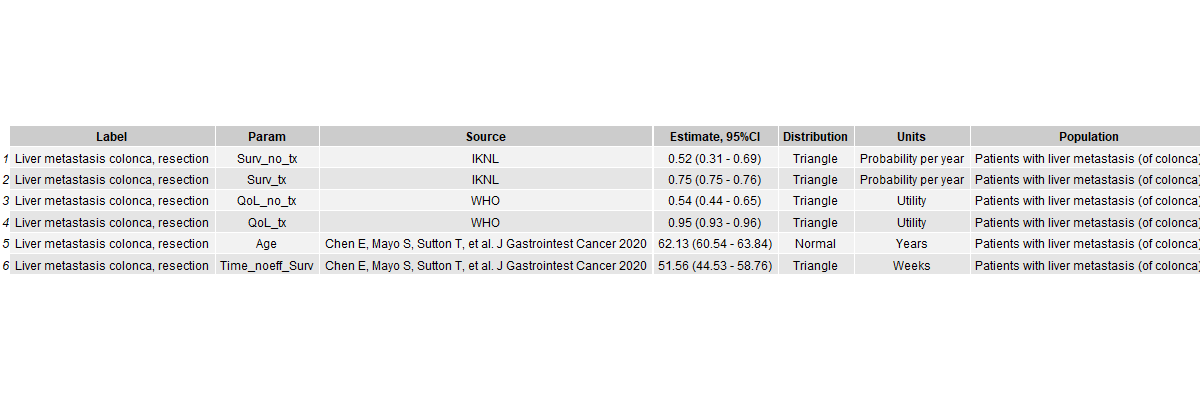
## Non-small cell lung carcinoma

### Surgical procedure: lobectomy



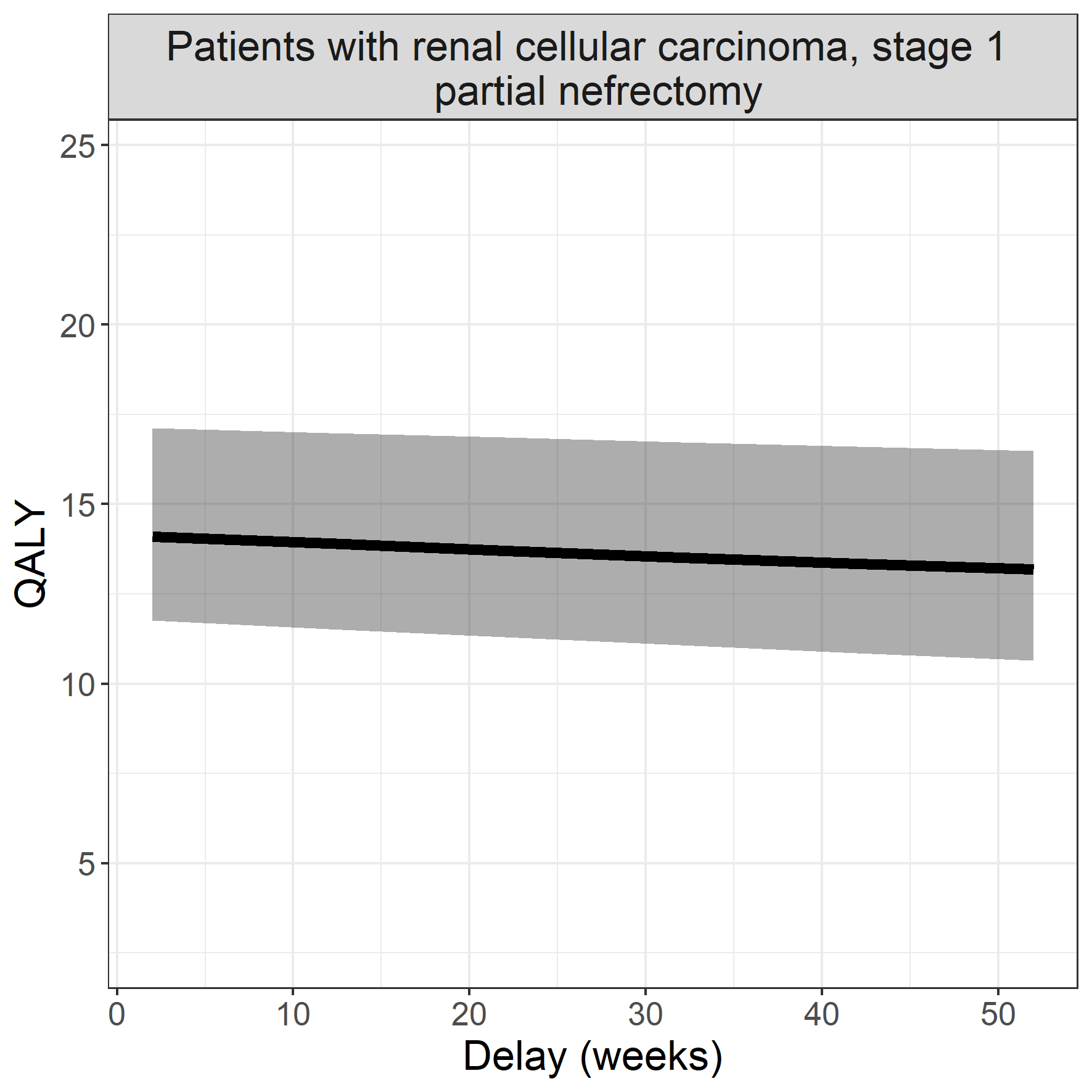
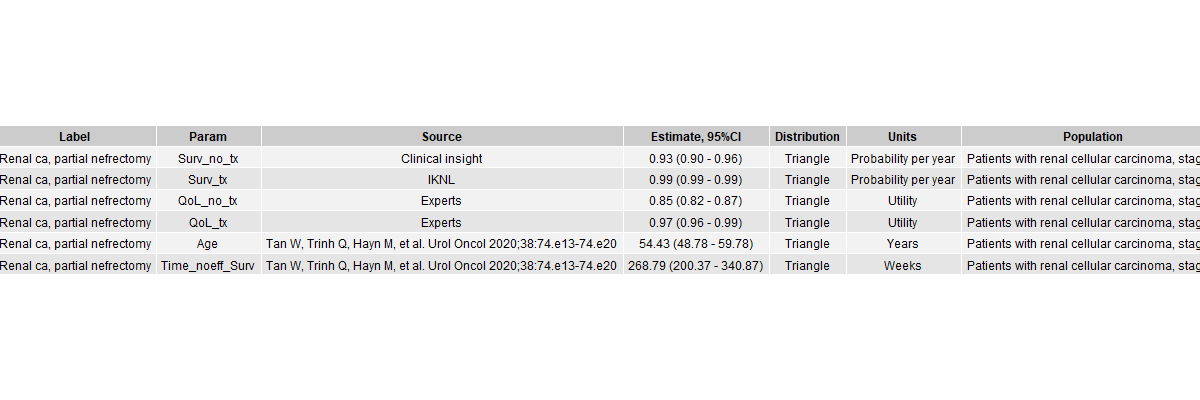
## Coloncarcinoma with liver metastases

### Surgical procedure: hepatectomy



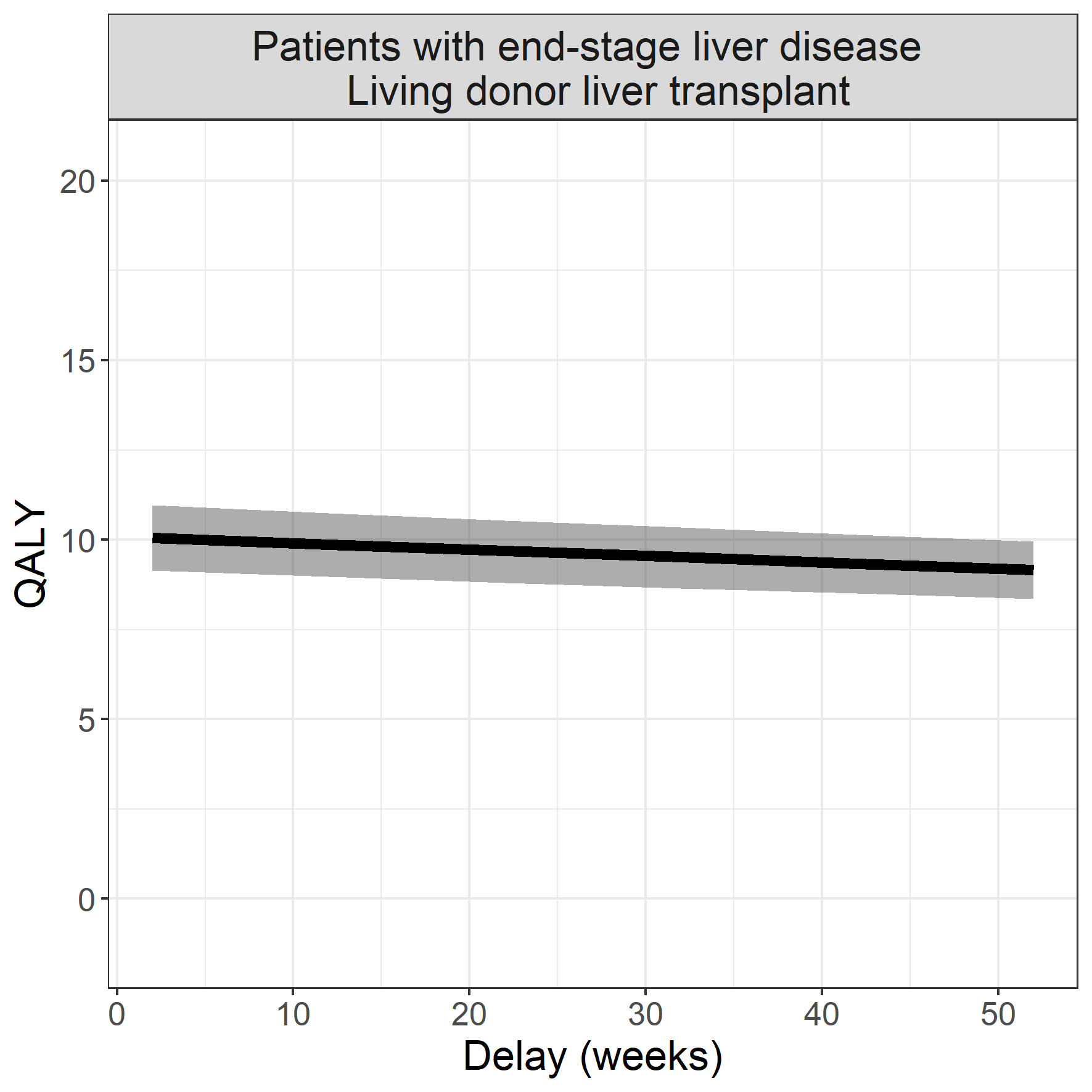
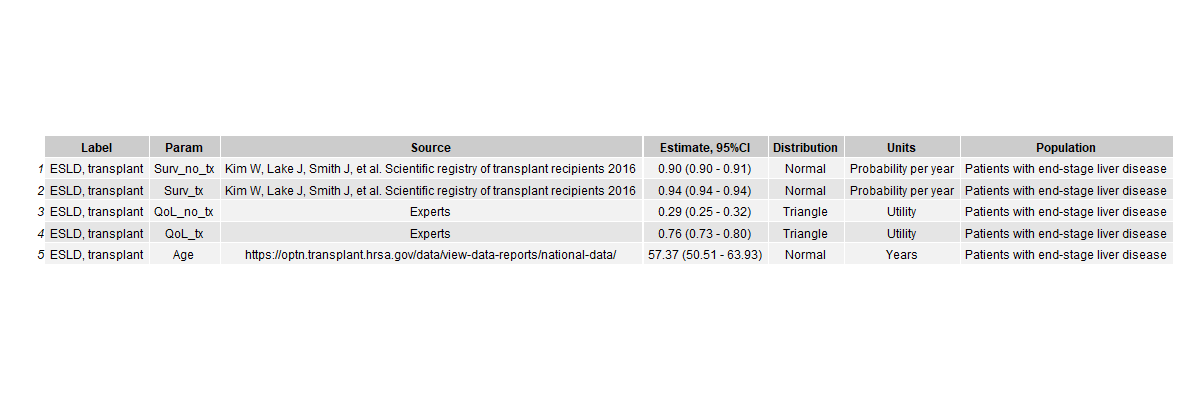
## Renal cell carcinoma, stage I

### Surgical procedure: partial nefrectomy



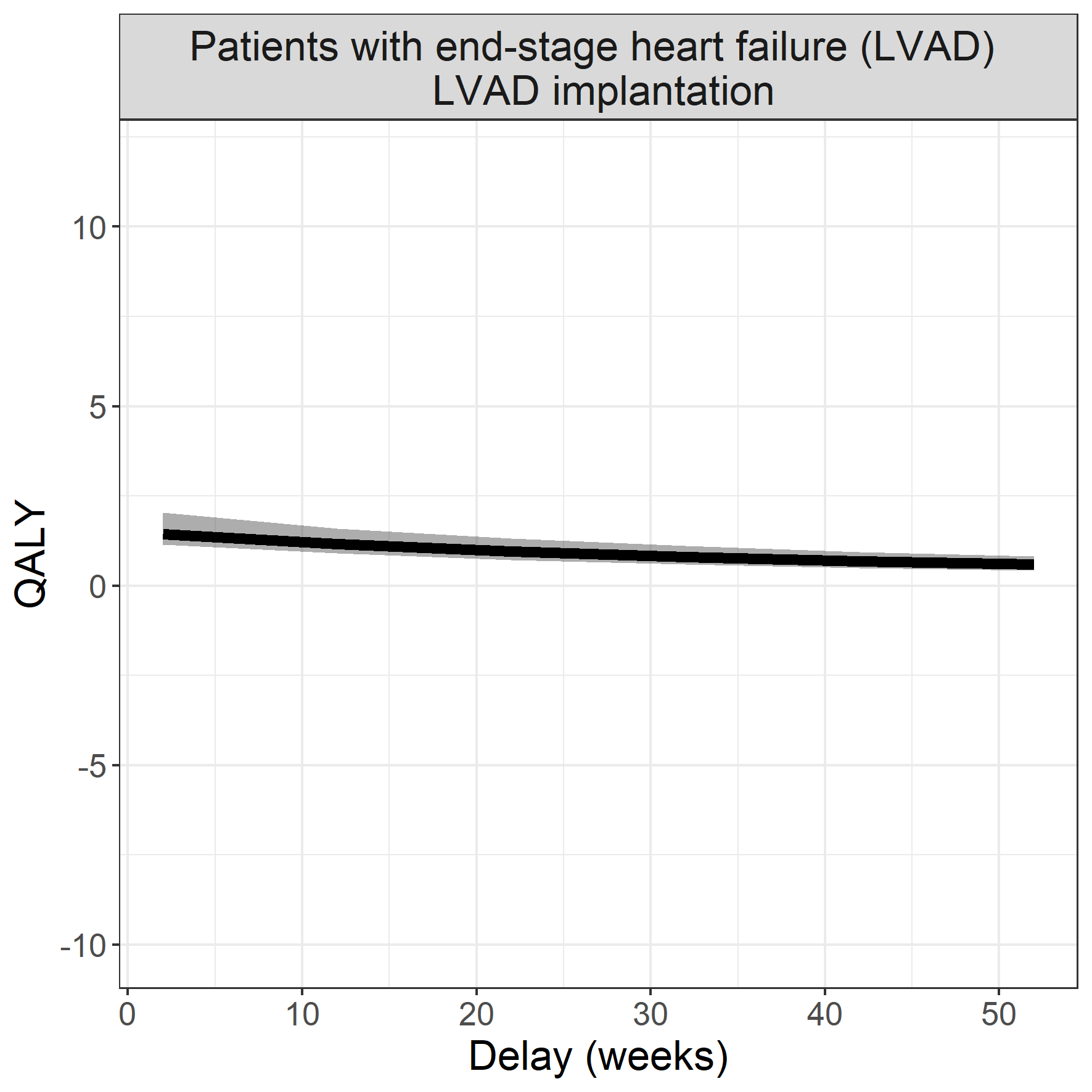
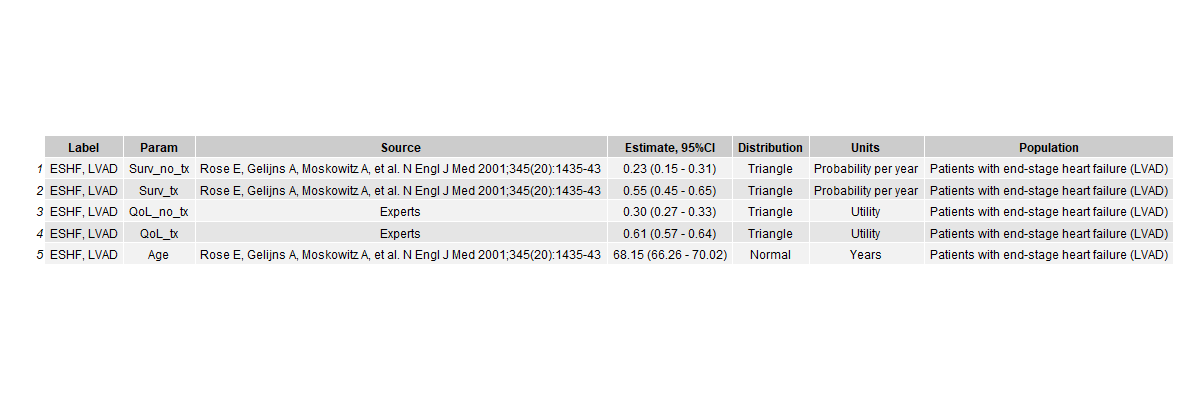
## End-stage liver disease

### Surgical procedure: living donor liver transplant



## End-stage heart failure

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



## End-stage heart failure

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

### 