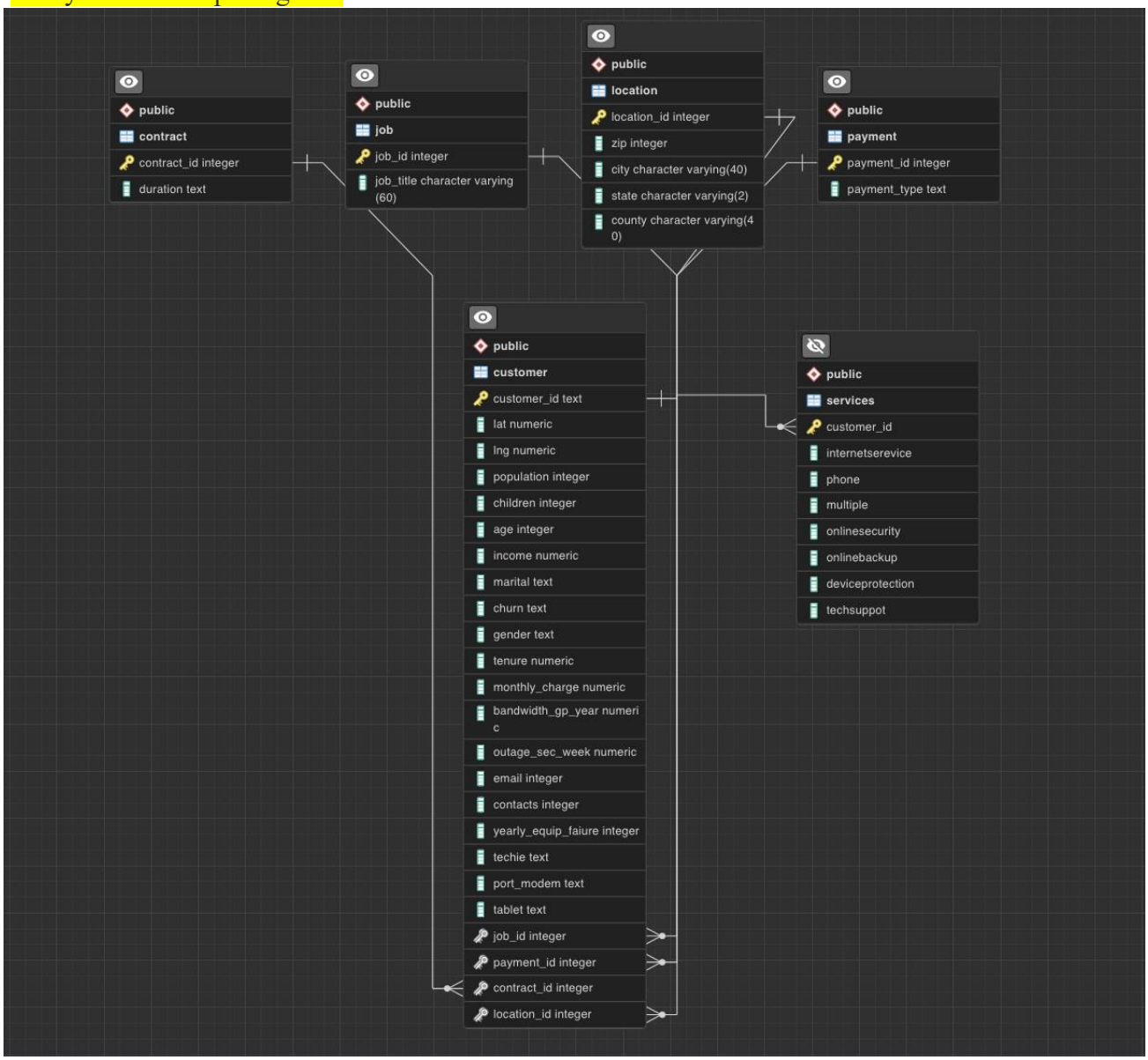
Do customers with children tend to use protection on their device more due to incidents that could happen with their device?

The data needed for this is customer table from the original given data and the services table from the add-on data. These two will give us a count of the customers with children and in connection with those who have device protection.

Entity Relationship Diagram:



```
CREATE TABLE IF NOT EXISTS public.services
(
    customer_id character varying(30) COLLATE
pg_catalog."default" NOT NULL,     internetservice character
varying(30) COLLATE pg_catalog."default",     phone character
varying(10) COLLATE pg_catalog."default",     multiple character
varying(3) COLLATE pg_catalog."default",     onlinesecurity
character varying(3) COLLATE pg_catalog."default",
onlinebackup character varying(3) COLLATE pg_catalog."default",
deviceprotection character varying(3) COLLATE
pg_catalog."default",     techsupport character varying(3)
COLLATE pg_catalog."default",
    CONSTRAINT service_pkey PRIMARY KEY (customer_id)
)
TABLESPACE pg_default;
ALTER TABLE IF EXISTS public.services
    OWNER to postgres;
```

```sql
-- Table: public.services

-- DROP TABLE IF EXISTS public.services;

CREATE TABLE IF NOT EXISTS public.services
(
    customer_id character varying(30) COLLATE pg_catalog."default" NOT NULL,
    internetservice character varying(30) COLLATE pg_catalog."default",
    phone character varying(10) COLLATE pg_catalog."default",
    multiple character varying(3) COLLATE pg_catalog."default",
    onlinesecurity character varying(3) COLLATE pg_catalog."default",
    onlinebackup character varying(3) COLLATE pg_catalog."default",
    deviceprotection character varying(3) COLLATE pg_catalog."default",
    techsupport character varying(3) COLLATE pg_catalog."default",
    CONSTRAINT service_pkey PRIMARY KEY (customer_id)
)

TABLESPACE pg_default;

ALTER TABLE IF EXISTS public.services
    OWNER to postgres;
```

This SQL statement counts the number of customers with children and full joins with the table that have device protection.

Query | Query History

```sql
Select count(customer_id) as total_count
from customer
where children > 0;

Select deviceprotection, count(customer_id)
from services
full join customer using(customer_id)
where children > 0
group by (deviceprotection)
```

Here we can see that those with children, there are less with device protection. The results revealed the although precaution is always warranted, those while children still do not have more device protection than they should.

Data Output | Messages | Graph Visualis

| | deviceprotection character varying (3) | count bigint |
|---|---|---|
| 1 | No | 4157 |
| 2 | Yes | 3273 |

A1 | devicep

| | A | B |
|---|---|---|
| 1 | deviceprotection | count |
| 2 | No | 4157 |
| 3 | Yes | 3273 |

The add-on file should be acquired and refreshed in the database every quarter. This way every quarter the company can review and prepare a case for making sure those with children get device protection. With every idea coming out quarterly, the company can double check if the marketing project to get more adults with children to inquire about device protection is working or not.