```
drop table if exists countries,diseases,cases;

create table countries (
        id int auto_increment primary key,
        name varchar(50) not null,
        code varchar(10) not null
);

insert into countries (name, code)
select distinct entity, code
from infectious_cases;

create table diseases (
        id int auto_increment primary key,
        name varchar(100) not null
);

insert into diseases (name) values('yaws');
insert into diseases (name) values('polio');
insert into diseases (name) values('guinea worm');
insert into diseases (name) values('rabies');
insert into diseases (name) values('malaria');
insert into diseases (name) values('hiv');
insert into diseases (name) values('tuberculosis');
insert into diseases (name) values('smallpox');
insert into diseases (name) values('cholera');

create table cases (
        id int auto_increment primary key,
        country_id int not null,
    year int not null,
    disease_id int not null,
    cases int null,
        foreign key (country_id) references countries(id),
        foreign key (disease_id) references diseases(id)
);

insert into cases (country_id, year, disease_id, cases)
select
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.Number_yaws, ''), 0)
from
    infectious_cases ic
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'yaws';

insert into cases (country_id, year, disease_id, cases)
select
```

```
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.polio_cases, ''), 0)
from
    infectious_cases ic
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'polio';

insert into cases (country_id, year, disease_id, cases)
select
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.cases_guinea_worm, ''), 0)
from
    infectious_cases ic
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'guinea worm';

insert into cases (country_id, year, disease_id, cases)
select
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.Number_rabies, ''), 0)
from
    infectious_cases ic
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'rabies';

insert into cases (country_id, year, disease_id, cases)
select
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.Number_malaria, ''), 0)
from
    infectious_cases ic
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'malaria';

insert into cases (country_id, year, disease_id, cases)
select
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.Number_hiv, ''), 0)
from
    infectious_cases ic
```

```
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'hiv';

insert into cases (country_id, year, disease_id, cases)
select
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.Number_tuberculosis, ''), 0)
from
    infectious_cases ic
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'tuberculosis';

insert into cases (country_id, year, disease_id, cases)
select
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.Number_smallpox, ''), 0)
from
    infectious_cases ic
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'smallpox';

insert into cases (country_id, year, disease_id, cases)
select
    c.id,
    ic.Year,
    d.id,
    coalesce(nullif(ic.Number_cholera_cases, ''), 0)
from
    infectious_cases ic
join countries c on ic.Entity = c.name and ic.Code = c.code
join diseases d on d.name = 'cholera';
```