Surveillance Report

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## Lung and Bronchus Cancer (2015-2019)

This is a surveillance report with information on Lung and Bronchus Cancer in the State of Utah. A overview on the crude age adjusted counts of Cancer from the years 2015-2019 and also a breakdown between Male and Female counts and Age counts.

Below is a table showing the counts between years and also Male vs Female counts.

sex

age\_group

Total

0-4

15-24

25-34

35-44

45-54

55-64

65-74

75-84

85+

Female

5

5

8

34

102

380

555

411

147

1647

Male

0

3

6

24

91

380

656

560

162

1882

Total

5

8

14

58

193

760

1211

971

309

3529

χ2=24.613 · df=8 · Cramer’s V=0.084 · Fisher’s p=0.002

dxyear

sex

Total

Female

Male

2015

308

351

659

2016

304

362

666

2017

311

377

688

2018

341

406

747

2019

383

386

769

Total

1647

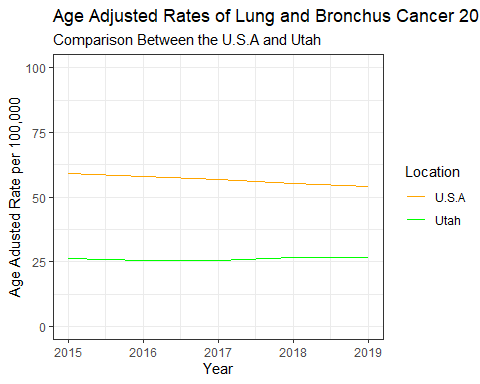
1882

3529

χ2=4.226 · df=4 · Cramer’s V=0.035 · p=0.376

| sex | dxyear | age\_group | n |
| --- | --- | --- | --- |
| Female | 2015 | 0-4 | 1 |
| Female | 2015 | 25-34 | 3 |
| Female | 2015 | 35-44 | 7 |
| Female | 2015 | 45-54 | 16 |
| Female | 2015 | 55-64 | 69 |
| Female | 2015 | 65-74 | 99 |
| Female | 2015 | 75-84 | 78 |
| Female | 2015 | 85+ | 35 |
| Female | 2016 | 25-34 | 1 |
| Female | 2016 | 35-44 | 7 |
| Female | 2016 | 45-54 | 17 |
| Female | 2016 | 55-64 | 78 |
| Female | 2016 | 65-74 | 104 |
| Female | 2016 | 75-84 | 66 |
| Female | 2016 | 85+ | 31 |
| Female | 2017 | 0-4 | 2 |
| Female | 2017 | 15-24 | 1 |
| Female | 2017 | 25-34 | 2 |
| Female | 2017 | 35-44 | 4 |
| Female | 2017 | 45-54 | 26 |
| Female | 2017 | 55-64 | 67 |
| Female | 2017 | 65-74 | 109 |
| Female | 2017 | 75-84 | 73 |
| Female | 2017 | 85+ | 27 |
| Female | 2018 | 15-24 | 1 |
| Female | 2018 | 25-34 | 1 |
| Female | 2018 | 35-44 | 8 |
| Female | 2018 | 45-54 | 22 |
| Female | 2018 | 55-64 | 76 |
| Female | 2018 | 65-74 | 117 |
| Female | 2018 | 75-84 | 89 |
| Female | 2018 | 85+ | 27 |
| Female | 2019 | 0-4 | 2 |
| Female | 2019 | 15-24 | 3 |
| Female | 2019 | 25-34 | 1 |
| Female | 2019 | 35-44 | 8 |
| Female | 2019 | 45-54 | 21 |
| Female | 2019 | 55-64 | 90 |
| Female | 2019 | 65-74 | 126 |
| Female | 2019 | 75-84 | 105 |
| Female | 2019 | 85+ | 27 |
| Male | 2015 | 25-34 | 1 |
| Male | 2015 | 35-44 | 6 |
| Male | 2015 | 45-54 | 24 |
| Male | 2015 | 55-64 | 75 |
| Male | 2015 | 65-74 | 108 |
| Male | 2015 | 75-84 | 102 |
| Male | 2015 | 85+ | 35 |
| Male | 2016 | 15-24 | 2 |
| Male | 2016 | 35-44 | 4 |
| Male | 2016 | 45-54 | 26 |
| Male | 2016 | 55-64 | 75 |
| Male | 2016 | 65-74 | 118 |
| Male | 2016 | 75-84 | 103 |
| Male | 2016 | 85+ | 34 |
| Male | 2017 | 25-34 | 3 |
| Male | 2017 | 35-44 | 2 |
| Male | 2017 | 45-54 | 15 |
| Male | 2017 | 55-64 | 70 |
| Male | 2017 | 65-74 | 144 |
| Male | 2017 | 75-84 | 110 |
| Male | 2017 | 85+ | 33 |
| Male | 2018 | 15-24 | 1 |
| Male | 2018 | 25-34 | 2 |
| Male | 2018 | 35-44 | 5 |
| Male | 2018 | 45-54 | 14 |
| Male | 2018 | 55-64 | 83 |
| Male | 2018 | 65-74 | 151 |
| Male | 2018 | 75-84 | 121 |
| Male | 2018 | 85+ | 29 |
| Male | 2019 | 35-44 | 7 |
| Male | 2019 | 45-54 | 12 |
| Male | 2019 | 55-64 | 77 |
| Male | 2019 | 65-74 | 135 |
| Male | 2019 | 75-84 | 124 |
| Male | 2019 | 85+ | 31 |
| NA | 2015 | NA | 1 |
| NA | 2016 | NA | 1 |
| NA | 2017 | NA | 1 |
| NA | 2018 | NA | 1 |
| NA | 2019 | NA | 1 |

## Comparison between national and state rates from 2015-2019

Plot showing the difference in Lung and Bronchus Cancer in the State of Utah when compared to the U.S.A. The State of Utah has a lower age specified rate of cancer, which can also be attributed to many different known risk factors of the cancer.  


This data was accumulated through passive means, mostly through Utah Cancer Registry (UCR) and DHHS Office of Vital Statistics. The sample was good at capturing the whole population, however some limitations are that the registry tends to be an open system so years and diagnosis will be added even after the year that is being looked at. Counts also come mostly from ICD diagnoses which can also lead to underreporting of data.