Findings Across 11 Years of Data from the Young Adult Health Survey

Jason R. Kilmer, Mary E. Larimer, Isaac C. Rhew, Joseph Lambuth, & Rose Lyles-Riebli

Center for the Study of Health & Risk Behaviors, University of Washington, Psychiatry & Behavioral Sciences

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Before we get started…

- Special thank you to Sarah Mariani, Kasey Kates, and Rachel Oliver
- Thank you to Dr. Sarah Okey, Kristen Haley, Chair Jim Vollendroff, and Gretchen Frost

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Washington Young Adult Health Survey (YAHS)

- Funded by Division of Behavioral Health & Recovery (DBHR):
  - Sarah Mariani
  - Kasey Kates
  - Rachel Oliver
  - Megan Stowe
- Young Adult Health Survey Team:
  - Jason Kilmer
  - Mary Larimer
  - Rose Lyles-Riebli
  - Joseph Lambuth
  - Isaac Rhew

Washington State Health Care Authority (Division of Behavioral Health and Recovery) (PI: Kilmer).

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Young Adult Health Survey Recruitment… A Reminder of the Main Steps

- Participants recruited using a combination of direct mail advertising to a random sample from DOL, as well as online advertising (Facebook, Craigslist, Instagram, study web site, etc.)
- Assessed demographics on ongoing basis and modified strategies to recruit under-represented groups
- Convenience sample, not a random sample

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Post-stratification weighting and analyses

- To improve generalizability, used post-stratification weights based on sex, race, and geographic region
- Weighted results are consistently very similar to non-weighted

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Young Adult Health Survey

- Each year we collect data from a new cohort of 18-25 year olds

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Sample sizes over time

- Cohort 1 (2014): 2,101
- Cohort 2 (2015): 1,675
- Cohort 3 (2016): 2,493
- Cohort 4 (2017): 2,342
- Cohort 5 (2018): 2,412
- Cohort 6 (2019): 1,942
- Cohort 7 (2020) 1,643
- Cohort 8 (2021): 1,756
- Cohort 9 (2022): 1,110
- Cohort 10 (2023): 1,237
- Cohort 11 (2024): 1,751
- **TOTAL: 20,462**

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Young Adult Health Survey

- In 2024, we also followed up with each of the previous 10 cohorts (participants in Cohort 1, 18-25 in 2014, were largely 28-35 when we collected data from them in 2024)

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What do we see with eleven years of data?

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Any past year "recreational"/non-medical/personal use: Cohorts 4-8 higher than Cohort 1

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	43.27%	44.82%	40.94%	43.41%	44.42%	43.68%	40.39%	44.89%	39.11%	36.57%	39.00%	**42.18%**
21-25	43.67%	47.09%	46.55%	49.75%	50.87%	49.61%	52.29%	55.21%	53.60%	51.90%	52.00%	**49.76%**
TOTAL	**43.51%**	**46.29%**	**44.76%**	**47.43%**	**48.49%**	**47.24%**	**47.94%**	**51.19%**	**47.26%**	**46.24%**	**46.44%**	**46.91%**

Cohort 1 vs. Cohorts 2-11:
Compared to Cohort 1, significantly higher prevalence for

- Cohort 4 (t=2.29, p<.05; odds ratio = 1.171; Cohort 4 has 17% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 5 (t=2.96, p<.01; odds ratio = 1.222; Cohort 5 has 22% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 6 (t=2.11, p<.05; odds ratio = 1.163; Cohort 6 has 16% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 7 (t=2.41, p<.05; odds ratio = 1.196; Cohort 7 has 20% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 8 (t=4.19, p<.001; odds ratio = 1.362; Cohort 8 has 36% higher odds of non-medical cannabis use than Cohort 1)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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Any past year "recreational"/non-medical/personal use: Significant increasing linear trend for 18-25-year-olds

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	43.27%	44.82%	40.94%	43.41%	44.42%	43.68%	40.39%	44.89%	39.11%	36.57%	39.00%	**42.18%**
21-25	43.67%	47.09%	46.55%	49.75%	50.87%	49.61%	52.29%	55.21%	53.60%	51.90%	52.00%	**49.76%**
TOTAL	**43.51%**	**46.29%**	**44.76%**	**47.43%**	**48.49%**	**47.24%**	**47.94%**	**51.19%**	**47.26%**	**46.24%**	**46.44%**	**46.91%**

Linear trend from Cohort 1 to Cohort 11:
Significant (t=2.41, p<.05; odds ratio = 1.0127; odds of non-medical cannabis use are 1.3% higher with each successive year/cohort)
Age by cohort interaction:

- Significant, reflecting the differences in the linear trend seen in the stratified models below (t=4.38, p<.001)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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Any past year "recreational"/non-medical/personal use: Significant decreasing trend for 18-20, increasing trend for 21-25

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	43.27%	44.82%	40.94%	43.41%	44.42%	43.68%	40.39%	44.89%	39.11%	36.57%	39.00%	**42.18%**
21-25	43.67%	47.09%	46.55%	49.75%	50.87%	49.61%	52.29%	55.21%	53.60%	51.90%	52.00%	**49.76%**
TOTAL	**43.51%**	**46.29%**	**44.76%**	**47.43%**	**48.49%**	**47.24%**	**47.94%**	**51.19%**	**47.26%**	**46.24%**	**46.44%**	**46.91%**

Model split by over/under 21
18-20: Newly significant decreasing trend (t = -2.31, p<.05)
21-25: Significant increasing trend over time (t=5.36, p<.001)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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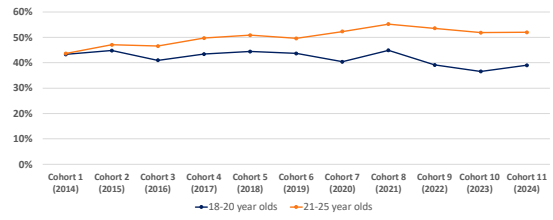
Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

Non-medical (or "recreational") use in the past year by age group

Past year prevalence of non-medical use



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At least monthly "recreational"/non-medical/personal use: Cohorts 5-9 and 11 higher than Cohort 1

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	24.08%	24.88%	21.19%	23.56%	27.06%	23.24%	23.17%	24.16%	26.21%	20.15%	24.21%	**23.85%**
21-25	23.63%	23.56%	25.12%	28.07%	27.88%	29.55%	33.81%	33.86%	31.65%	30.87%	29.06%	**28.33%**
TOTAL	**23.81%**	**24.03%**	**23.84%**	**26.46%**	**27.62%**	**27.09%**	**29.90%**	**30.11%**	**29.19%**	**26.87%**	**26.98%**	**26.67%**

Cohort 1 vs. Cohorts 2-11:

Compared to Cohort 1, significantly higher prevalence for

- Cohort 5 (t=2.56, p<.01; odds ratio = 1.221, Cohort 5 has 22% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 6 (t=2.08, p<.05; odds ratio = 1.189, Cohort 6 has 19% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 7 (t=3.73, p<.001; odds ratio = 1.365, Cohort 7 has 37% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 8 (t=3.88, p<.001; odds ratio = 1.379, Cohort 8 has 38% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 9 (t=2.99, p<.01; odds ratio = 1.320, Cohort 9 has 32% higher odds of non-medical cannabis use than Cohort 1)
- Cohort 11 (t=1.99, p<.05; odds ratio = 1.183, Cohort 11 has 18% higher odds of non-medical cannabis use than Cohort 1)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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At least monthly "recreational"/non-medical/personal use: Significant increasing trend for 18-25-year-olds

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	24.08%	24.88%	21.19%	23.56%	27.06%	23.24%	23.17%	24.16%	26.21%	20.15%	24.21%	**23.85%**
21-25	23.63%	23.56%	25.12%	28.07%	27.88%	29.55%	33.81%	33.86%	31.65%	30.87%	29.06%	**28.33%**
TOTAL	**23.81%**	**24.03%**	**23.84%**	**26.46%**	**27.62%**	**27.09%**	**29.90%**	**30.11%**	**29.19%**	**26.87%**	**26.98%**	**26.67%**

Linear trend from Cohort 1 to Cohort 11:

Significant increasing trend over time (t=4.41, p<.001; Odds ratio = 1.026)

Age by cohort interaction:

Significant (t=2.67, p<.01)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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At least monthly "recreational"/non-medical/personal use: Significant increasing trend for 21-25-year-olds

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	24.08%	24.88%	21.19%	23.56%	27.06%	23.24%	23.17%	24.16%	26.21%	20.15%	24.21%	**23.85%**
21-25	23.63%	23.56%	25.12%	28.07%	27.88%	29.55%	33.81%	33.86%	31.65%	30.87%	29.06%	**28.33%**
TOTAL	**23.81%**	**24.03%**	**23.84%**	**26.46%**	**27.62%**	**27.09%**	**29.90%**	**30.11%**	**29.19%**	**26.87%**	**26.98%**	**26.67%**

Model split by over/under 21
18-20: No significant linear trend
21-25: Significant increasing trend over time (t=5.97, p<.001)
Odds ratio = 1.061 (odds of non-medical cannabis use are 6.1% higher with each successive year/cohort)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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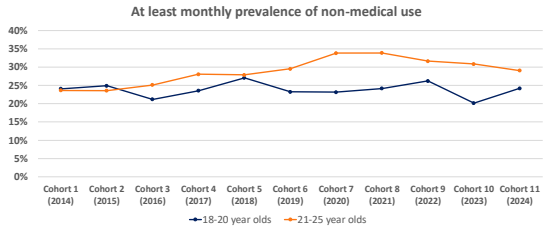
Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

At least monthly non-medical (or "recreational") use by age group



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At least weekly "recreational"/non-medical/personal use: Cohorts 7, 8, and 10 higher than Cohort 1

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	16.51%	13.43%	13.30%	15.40%	18.56%	14.41%	15.21%	16.86%	16.40%	14.42%	15.12%	**15.50%**
21-25	16.86%	16.21%	18.55%	18.42%	19.22%	21.39%	24.07%	24.59%	21.93%	24.89%	19.74%	**20.10%**
TOTAL	**16.72%**	**15.23%**	**16.85%**	**17.37%**	**19.03%**	**18.59%**	**20.84%**	**21.62%**	**19.47%**	**20.84%**	**17.76%**	**18.37%**

Cohort 1 vs. Cohorts 2-11:
Cohort 7 is significantly higher than Cohort 1 (t=2.86, p<.01, Odds ratio = 1.311)
Cohort 8 is significantly higher than Cohort 1 (t=3.37, p<.001, Odds ratio = 1.374)
Cohort 10 is significantly higher than Cohort 1 ((t=2.61, p<.01, Odds ratio = 1.311)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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At least weekly "recreational"/non-medical/personal use: Significant increasing trend for 18-25-year-olds

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	16.51%	13.43%	13.30%	15.40%	18.56%	14.41%	15.21%	16.86%	16.40%	14.42%	15.12%	**15.50%**
21-25	16.86%	16.21%	18.55%	18.42%	19.22%	21.39%	24.07%	24.59%	21.93%	24.89%	19.74%	**20.10%**
TOTAL	**16.72%**	**15.23%**	**16.85%**	**17.37%**	**19.03%**	**18.59%**	**20.84%**	**21.62%**	**19.47%**	**20.84%**	**17.76%**	**18.37%**

Linear trend
Significant (t=4.06, p<.001); Odds ratio = 1.028

Age by cohort interaction:
Newly non-significant

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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At least weekly "recreational"/non-medical/personal use: Significant increasing trend for 21-25-year-olds

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	16.51%	13.43%	13.30%	15.40%	18.56%	14.41%	15.21%	16.86%	16.40%	14.42%	15.12%	**15.50%**
21-25	16.86%	16.21%	18.55%	18.42%	19.22%	21.39%	24.07%	24.59%	21.93%	24.89%	19.74%	**20.10%**
TOTAL	**16.72%**	**15.23%**	**16.85%**	**17.37%**	**19.03%**	**18.59%**	**20.84%**	**21.62%**	**19.47%**	**20.84%**	**17.76%**	**18.37%**

Model split by over/under 21
18-20:
- No significant linear trend

21-25:
- Significant increasing trend over time (t=5.23, p<.001; odds ratio = 1.044, odds of non-medical cannabis use are 4.4% higher with each successive year/cohort)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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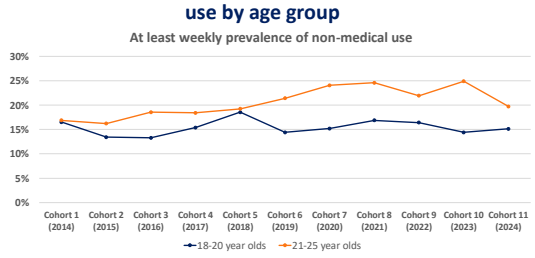
Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

At least weekly non-medical (or "recreational") use by age group



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Non-medical use, categories of frequency, whole sample

	Cohort 1 2014	Cohort 2 2015	Cohort 3 2016	Cohort 4 2017	Cohort 5 2018	Cohort 6 2019	Cohort 7 2020	Cohort 8 2021	Cohort 9 2022	Cohort 10 2023	Cohort 11 2024
Never	56.49%	53.71%	55.24%	52.57%	51.51%	52.76%	52.06%	48.81%	52.74%	53.76%	53.56%
Once a year	7.53%	8.28%	8.00%	6.36%	6.67%	6.41%	5.86%	7.13%	5.70%	5.75%	6.19%
2-3x/year	8.58%	9.60%	9.72%	10.21%	10.52%	9.77%	8.76%	9.79%	9.23%	9.38%	9.62%
Every other month	3.59%	4.38%	3.20%	4.40%	3.68%	3.97%	3.42%	4.15%	3.13%	4.25%	3.64%
Once a month	3.15%	3.55%	3.06%	3.58%	3.24%	3.72%	4.29%	3.67%	2.87%	2.33%	4.30%
2-3x/month	3.94%	5.24%	3.94%	5.51%	5.35%	4.77%	4.77%	4.82%	6.86%	3.70%	4.92%
1x/week	2.49%	2.75%	2.90%	2.38%	2.61%	2.92%	3.36%	3.23%	3.12%	3.43%	2.99%
More than 1x/wk	5.26%	4.39%	4.63%	4.29%	4.81%	4.63%	5.25%	6.36%	5.16%	4.37%	4.73%
Every other day	2.63%	3.44%	2.35%	3.55%	3.60%	2.85%	3.93%	4.29%	3.06%	2.64%	2.21%
Every day	6.34%	4.65%	6.97%	7.14%	8.01%	8.19%	8.30%	7.74%	8.14%	10.39%	7.82%

Cohort 4-10 all significantly higher odds of more frequent cannabis use than Cohort 1.

Linear trend from Cohort 1 to Cohort 11:
Significant increasing trend over time (t=3.79, p<.001, Odds ratio = 1.019)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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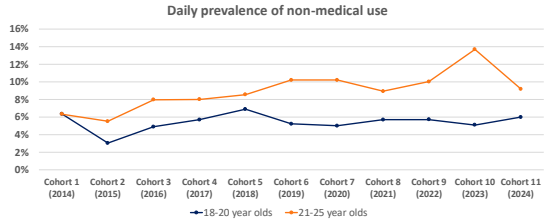
Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

Daily non-medical (or "recreational") use by age group



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Perceived norms of non-medical cannabis use

PERCEPTIONS OF NON-MEDICAL CANNABIS

	Cohort 1 2014	Cohort 2 2015	Cohort 3 2016	Cohort 4 2017	Cohort 5 2018	Cohort 6 2019	Cohort 7 2020	Cohort 8 2021	Cohort 9 2022	Cohort 10 2023	Cohort 11 2024
Never	2.41%	2.42%	1.61%	2.31%	2.06%	1.50%	2.38%	1.92%	3.05%	2.44%	3.27%
Once a year	1.82%	2.10%	1.74%	1.92%	1.27%	0.75%	1.32%	1.15%	1.37%	1.01%	1.29%
2 to 3 times a year	8.22%	10.12%	6.73%	6.40%	3.89%	3.31%	2.23%	3.87%	3.95%	4.53%	3.75%
Every other month	6.98%	7.29%	5.32%	4.59%	3.14%	3.90%	4.42%	3.48%	2.93%	3.37%	4.13%
Once a month	9.74%	11.15%	10.41%	9.07%	6.88%	5.51%	6.39%	7.07%	6.63%	6.66%	9.09%
2-3x/month	17.98%	19.68%	19.83%	18.91%	13.47%	13.93%	14.32%	14.04%	14.38%	12.69%	15.03%
Once per week	12.65%	12.72%	15.43%	13.89%	14.28%	12.91%	12.64%	14.11%	13.24%	11.51%	14.18%
More than 1x/wk	22.08%	20.70%	21.42%	23.94%	27.12%	25.90%	28.57%	29.17%	25.76%	26.73%	23.44%
Every other day	9.27%	6.87%	8.56%	8.65%	11.10%	12.25%	13.10%	10.45%	13.14%	12.03%	11.06%
Every day	8.84%	6.95%	8.96%	10.31%	16.79%	20.03%	14.62%	14.75%	15.57%	19.02%	14.74%

*** In ordinal logistic models, Cohort 4 (t=2.57, p<.01), Cohort 5 (t=10.67, p<.001), Cohort 6 (t=12.37, p<.001), Cohort 7 (t=9.72, p<.001), Cohort 8 (t=9.02, p<.001), Cohort 9 (t=8.10, p<.001), Cohort 10 (t=9.55, p<.001), and Cohort 11 (t=6.50, p<.001) have higher perceived non-medical cannabis norms compared to cohort 1; but cohort 2 has lower norms compared to cohort 1 (t= -3.35 p<.001) ***

*** Overall, a significant increasing linear trend over time (t=16.30, p<.001) ***

In Cohort 11, 17.75% use at least weekly (meaning most, 82.25%, young adults don't use weekly or more), yet 63.42% think the typical person their age uses weekly or more often

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Decreasing trend significant
Increasing trend significant

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

WHERE DO PEOPLE GET CANNABIS, 18–20-year-olds

	Cohort 1 2014	Cohort 2 2015	Cohort 3 2016	Cohort 4 2017	Cohort 5 2018	Cohort 6 2019	Cohort 7 2020	Cohort 8 2021	Cohort 9 2022	Cohort 10 2023	Cohort 11 2024
From friends	72.86%	76.24%	69.68%	77.40%	63.75%	60.74%	66.87%	65.62%	59.68%	58.06%	63.88%
Gave money to someone	23.29%	26.47%	34.72%	41.45%	39.29%	43.17%	40.55%	39.80%	37.62%	33.36%	35.45%
Got it from someone w/ medical card	17.60%	14.12%	4.30%	5.24%	2.79%	2.82%	4.27%	4.58%	4.10%	1.62%	5.02%
Got it from a medical dispensary *newly significant trend from last year's report*	13.65%	18.99%	5.58%	4.72%	6.50%	8.28%	8.41%	12.03%	3.40%	7.53%	6.96%
Got it at a party	22.99%	22.14%	23.08%	24.92%	20.12%	22.91%	8.82%	24.67%	16.43%	10.98%	13.56%
Got it from family	5.65%	5.18%	11.75%	9.75%	11.24%	10.92%	13.49%	7.09%	11.36%	9.67%	9.52%
Got it some other way	11.64%	4.12%	6.12%	9.02%	7.30%	6.21%	5.04%	6.24%	3.62%	4.28%	2.20%
Bought from retail store	0.99%	4.58%	1.73%	1.92%	2.03%	3.55%	1.58%	1.03%	3.08%	1.53%	1.71%
Got it from parents w/ permission *Note: ** Parents with permission remains the third most mentioned source by 18–20-year-olds**	5.75%	6.02%	12.33%	10.44%	11.69%	12.91%	13.08%	13.91%	12.38%	15.77%	14.00%
Grew it themselves	1.91%	1.15%	1.65%	0.23%	1.47%	2.78%	1.64%	0.42%	0.59%	0.56%	1.85%
Stole it from store/ dispensary	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.16%	2.40%	0.00%	0.57%	0.36%

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Decreasing trend significant
Increasing trend significant

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

WHERE DO PEOPLE GET CANNABIS, 21–25-year-olds

	Cohort 1 2014	Cohort 2 2015	Cohort 3 2016	Cohort 4 2017	Cohort 5 2018	Cohort 6 2019	Cohort 7 2020	Cohort 8 2021	Cohort 9 2022	Cohort 10 2023	Cohort 11 2024
From friends	67.50%	54.89%	42.78%	36.51%	33.80%	25.72%	20.26%	26.44%	26.04%	21.17%	26.70%
Gave money to someone	19.87%	10.72%	8.10%	5.64%	4.97%	3.63%	5.08%	4.61%	7.75%	4.46%	1.27%
Got it from someone w/ medical card	18.85%	9.41%	2.53%	2.02%	0.17%	0.65%	0.27%	0.62%	1.16%	1.03%	0.21%
Got it from a med. dispensary	20.65%	13.03%	12.60%	9.96%	10.15%	14.23%	14.71%	15.62%	16.02%	16.90%	9.85%
Got it at a party	11.81%	10.76%	10.93%	8.06%	6.54%	5.76%	1.57%	7.12%	10.93%	3.87%	6.94%
Got it from family	11.48%	8.26%	4.08%	7.04%	5.76%	4.37%	4.02%	5.52%	4.56%	4.04%	5.74%
Got it some other way	5.13%	6.68%	3.29%	3.41%	3.71%	3.71%	1.24%	2.13%	1.85%	1.97%	1.29%
Bought from retail store	8.80%	51.86%	72.60%	76.31%	80.06%	78.03%	77.27%	74.42%	70.93%	72.28%	78.09%
Got it from parents w/ permission	4.56%	3.50%	2.02%	4.28%	4.47%	3.15%	2.75%	4.75%	4.41%	5.79%	1.97%
Grew it themselves	1.51%	3.01%	1.49%	1.82%	1.81%	0.71%	1.11%	1.74%	0.79%	1.16%	0.86%
Stole it from store/ dispensary	2.84%	0.17%	0.60%	0.29%	0.17%	0.11%	0.97%	0.43%	0.69%	0.78%	0.46%

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Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

Model with cohort x age interaction significant for:

- Getting cannabis from friends: decline is stronger for those 21-25 compared to those 18-20 (t= -4.43, p < .001)
- Gave money to someone: increasing for those 18-20, decreasing for those 21-25 (t= -6.63, p<.001)
- Got it from someone w/med. cannabis card: those 21+ had sharper declining trend than <21 (t= -4.14, p<.001)
- Got it from family: no change for 18-20, significant decline for those 21-25 (t= -2.49, p<.05)
- Bought it from retail store: Those 21-25 have increasing trend, no change 18-20 (t=4.14, p<.001)
- Got it from parents w/permission: increasing for 18-20, no change for 21-25 (t=-2.06, p< .05) *newly significant interaction from last year's report*
- Stole it from store/dispensary: significant increase for 18-20, no change 21-25 (t= -3.71, p<.001)

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DRIVING AFTER CANNABIS USE

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

Driving after cannabis use

"During the past 30 days, how many times did you drive a car or other vehicle within three hours after using cannabis (e.g., marijuana, hashish, edibles)?"

	Cohort 1 2014	Cohort 2 2015	Cohort 3 2016	Cohort 4 2017	Cohort 5 2018	Cohort 6 2019	Cohort 7 2020	Cohort 8 2021	Cohort 9 2022	Cohort 10 2023	Cohort 11 2024
Never	50.59%	55.29%	58.19%	58.56%	58.73%	61.80%	65.00%	66.38%	64.64%	68.69%	68.10%
1 time	14.13%	13.13%	12.50%	12.85%	12.11%	8.32%	9.56%	10.25%	10.27%	7.70%	10.15%
2-3 times	13.28%	12.34%	11.97%	11.98%	10.59%	11.66%	11.24%	10.51%	11.50%	9.83%	10.09%
4-5 times	6.43%	4.35%	3.48%	4.48%	6.04%	4.00%	4.51%	4.39%	2.53%	3.40%	2.65%
6 or more times	15.57%	14.88%	13.85%	12.12%	12.52%	14.21%	9.69%	8.47%	11.05%	10.38%	9.02%

There are declines in driving after cannabis use between cohorts 3-11 and cohort 1 (cohort 3, p<.05; cohort 4, p<.01; cohort 5, p<.05; cohort 6, p<.01; cohort 7, p<.001; cohort 8, p<.001; cohort 9, p<.001; cohort 10, p<.001; cohort 11, p<.001), as well as a significant linear trend (p<.001).

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Medical cannabis in past year
Newly significant decreasing trend over time

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	14.02%	12.73%	8.33%	12.02%	12.90%	11.75%	11.43%	11.04%	10.20%	9.11%	7.92%	**11.16%**
21-25	15.20%	15.53%	14.77%	16.83%	16.80%	18.05%	15.04%	15.18%	13.37%	14.21%	10.25%	**15.26%**
TOTAL	**14.74%**	**14.54%**	**12.68%**	**15.04%**	**15.42%**	**15.53%**	**13.71%**	**13.54%**	**11.96%**	**12.22%**	**9.25%**	**13.71%**

Regression models:

Cohort 1 vs. Cohorts 2-11: Cohort 9 (t=-1.97, p<.05) and Cohort 11 (t=-4.55, p<.001) significantly lower than Cohort 1

Linear trend from Cohort 1 to 11: Newly significant decreasing trend over time (t = -4.30, p<.001)

Age by cohort interaction: Non-significant

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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Medical cannabis in past year
Newly significant decreasing trend over time

	Cohort 1 (2014)	Cohort 2 (2015)	Cohort 3 (2016)	Cohort 4 (2017)	Cohort 5 (2018)	Cohort 6 (2019)	Cohort 7 (2020)	Cohort 8 (2021)	Cohort 9 (2022)	Cohort 10 (2023)	Cohort 11 (2024)	Total across 11 years
18-20	14.02%	12.73%	8.33%	12.02%	12.90%	11.75%	11.43%	11.04%	10.20%	9.11%	7.92%	**11.16%**
21-25	15.20%	15.53%	14.77%	16.83%	16.80%	18.05%	15.04%	15.18%	13.37%	14.21%	10.25%	**15.26%**
TOTAL	**14.74%**	**14.54%**	**12.68%**	**15.04%**	**15.42%**	**15.53%**	**13.71%**	**13.54%**	**11.96%**	**12.22%**	**9.25%**	**13.71%**

Model split by over/under 21

18-20:

- Newly significant decreasing trend over time (t = -2.94, p<.01)

21-25:

- Newly significant decreasing trend over time (t = -2.79, p<.01)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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Medical cannabis

- Perceptions of medical use continue to increase significantly (both a linear trend, and past 8 cohorts higher than cohort 1)

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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Other substances

- Significant decreasing trend in:
  - Alcohol, at least once in past year
  - Alcohol, at least monthly
  - Cigarettes, at least once in the past year
  - Pain relievers to get high, at least once in the past year (down to 1.94%...lowest in the 11 years of the study)
  - Heroin use, at least once in the past year (down to 0.07%, second lowest only to 0.00% in 2022))

Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

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Source: Young Adult Health Survey, Preliminary Data Report to DBHR, March 2025, Kilmer (PI)

Perceived risk

- **Cannabis**
  - Physical risk of occasional cannabis use ** newly non-significant **
  - Psychological/emotional/cognitive risk of occasional cannabis use ** newly non-significant **
  - Physical risk of regular cannabis use ** newly significant **
  - Psychological/emotional/cognitive risk of regular cannabis use ** newly significant **
- **Alcohol**
  - Physical risk of 2 drinks every day
  - Psychological risk of 2 drinks every day
  - Physical risk of 5+ drinks every weekend ** newly significant **
  - Psychological risk of 5+ drinks every weekend

** newly non-significant **
** significant increasing linear trend **

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Next Steps

- We invited collaborators/partners to provide input on new items
- We have launched our 12th year of data collection
- We have prepared a press release about these findings (and to provide access to resources)

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jkilmer@uw.edu

Thank you!

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