

Data from the Colorado Department of Higher Education

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- Additional data that predicts credential attainment
 - What is the predicted probability of retention and completion, based on various predictors of college success?
 - High school GPA
 - ACT score
 - Concurrent enrollment
 - HEAR requirements



Data from the Colorado Department of Higher Education

- Probability of **retention** for students meeting HEAR requirements

Has taken concurrent enrollment	2.0 GPA	2.5 GPA	3.0 GPA	3.5 GPA	4.0 GPA
ACT 15	80%	88%	93%	96%	98%
ACT 20	82%	90%	94%	97%	98%
ACT 25	84%	91%	95%	97%	99%
ACT 30	86%	92%	96%	98%	99%
ACT 35	88%	93%	96%	98%	99%
Has not taken concurrent enrollment	2.0 GPA	2.5 GPA	3.0 GPA	3.5 GPA	4.0 GPA
ACT 15	71%	82%	89%	94%	97%
ACT 20	73%	84%	91%	95%	97%
ACT 25	76%	86%	92%	95%	98%
ACT 30	79%	87%	93%	96%	98%
ACT 35	81%	89%	94%	97%	98%



Data from the Colorado Department of Higher Education

- Probability of **retention** for students **not** meeting HEAR requirements

Has taken concurrent enrollment	2.0 GPA	2.5 GPA	3.0 GPA	3.5 GPA	4.0 GPA
ACT 15	74%	84%	91%	95%	97%
ACT 20	76%	86%	92%	96%	98%
ACT 25	79%	87%	93%	96%	98%
ACT 30	81%	89%	94%	97%	98%
ACT 35	83%	90%	95%	97%	98%
Has not taken concurrent enrollment	2.0 GPA	2.5 GPA	3.0 GPA	3.5 GPA	4.0 GPA
ACT 15	63%	76%	86%	92%	95%
ACT 20	66%	78%	87%	93%	96%
ACT 25	69%	81%	89%	94%	96%
ACT 30	72%	83%	90%	94%	97%
ACT 35	75%	85%	91%	95%	97%



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- High school GPA is the most powerful predictor of first year retention (approximately 20 percentage point difference between 2.0 and 4.0 GPA).
- Concurrent enrollment and ACT scores are also strong predictors of retention (approximately 10 percentage point difference for taking concurrent enrollment, or moving from ACT of 15 to ACT of 35).
- Meeting the HEAR requirements adds about 5 percentage points to the probability of first year retention after other factors are taken into account (likely a lot of overlap with above factors).



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- Probability of **completion** for students meeting HEAR requirements

Has taken concurrent enrollment	2.0 GPA	2.5 GPA	3.0 GPA	3.5 GPA	4.0 GPA
ACT 15	14%	26%	43%	62%	78%
ACT 20	16%	29%	47%	66%	81%
ACT 25	18%	32%	50%	69%	83%
ACT 30	20%	35%	54%	72%	85%
ACT 35	22%	38%	57%	74%	86%
Has not taken concurrent enrollment	2.0 GPA	2.5 GPA	3.0 GPA	3.5 GPA	4.0 GPA
ACT 15	14%	25%	42%	62%	78%
ACT 20	15%	28%	46%	65%	80%
ACT 25	17%	31%	49%	68%	82%
ACT 30	19%	34%	53%	71%	84%
ACT 35	21%	37%	56%	74%	86%



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- Probability of **completion** for students **not** meeting HEAR requirements

Has taken concurrent enrollment	2.0 GPA	2.5 GPA	3.0 GPA	3.5 GPA	4.0 GPA
ACT 15	11%	21%	37%	56%	73%
ACT 20	12%	24%	40%	59%	76%
ACT 25	14%	26%	43%	63%	78%
ACT 30	16%	29%	47%	66%	81%
ACT 35	18%	32%	50%	69%	83%
Has not taken concurrent enrollment	2.0 GPA	2.5 GPA	3.0 GPA	3.5 GPA	4.0 GPA
ACT 15	11%	21%	36%	55%	73%
ACT 20	12%	23%	39%	58%	75%
ACT 25	14%	25%	43%	62%	78%
ACT 30	15%	28%	46%	65%	80%
ACT 35	17%	31%	50%	68%	82%



Data from the Colorado Department of Higher Education

- High school GPA is by far the most powerful predictor of postsecondary completion.
- ACT scores, meeting HEAR requirements, and having taken concurrent enrollment each predict a smaller increase in likelihood of postsecondary completion.
- A combination of all of the above factors yields the highest predicted probability of postsecondary completion.

