

Towards A Framework for Analyzing Online Enrollment: Data from Online Instruction in the Los Angeles Community Colleges

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Growth in Online and Size Relative to "Regular" Program

Online instruction has grown dramatically over the past five years.

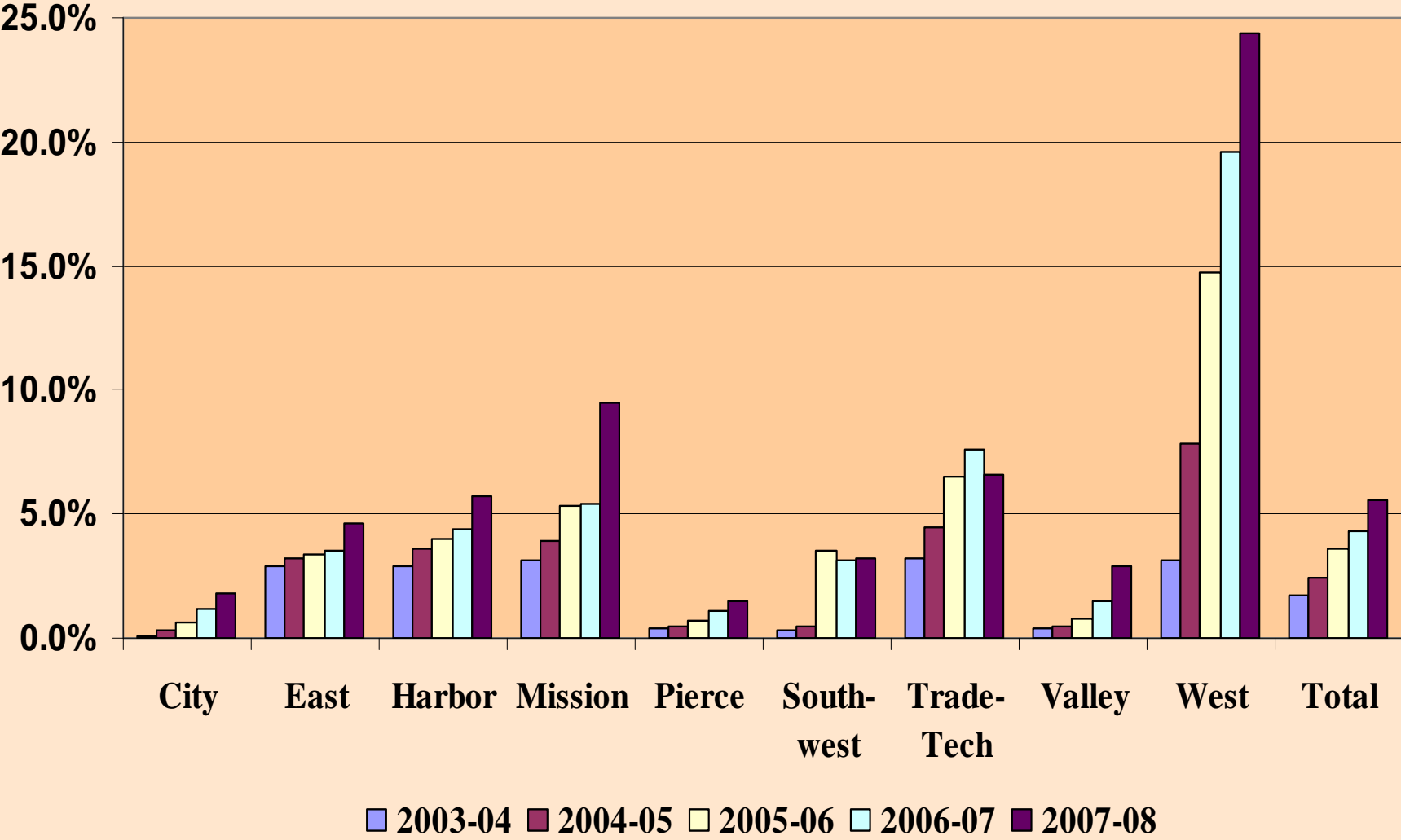
- Three fold increase district-wide
- Represented 6% of all district enrollments in 2007-08
- Accounted for 24% of all enrollments at West Los Angeles College in 2007-08
- Preliminary data shows 9.4% growth district-wide in Fall 08 over Fall 07 (although growth patterns vary significantly by college)

Online Enrollments by College

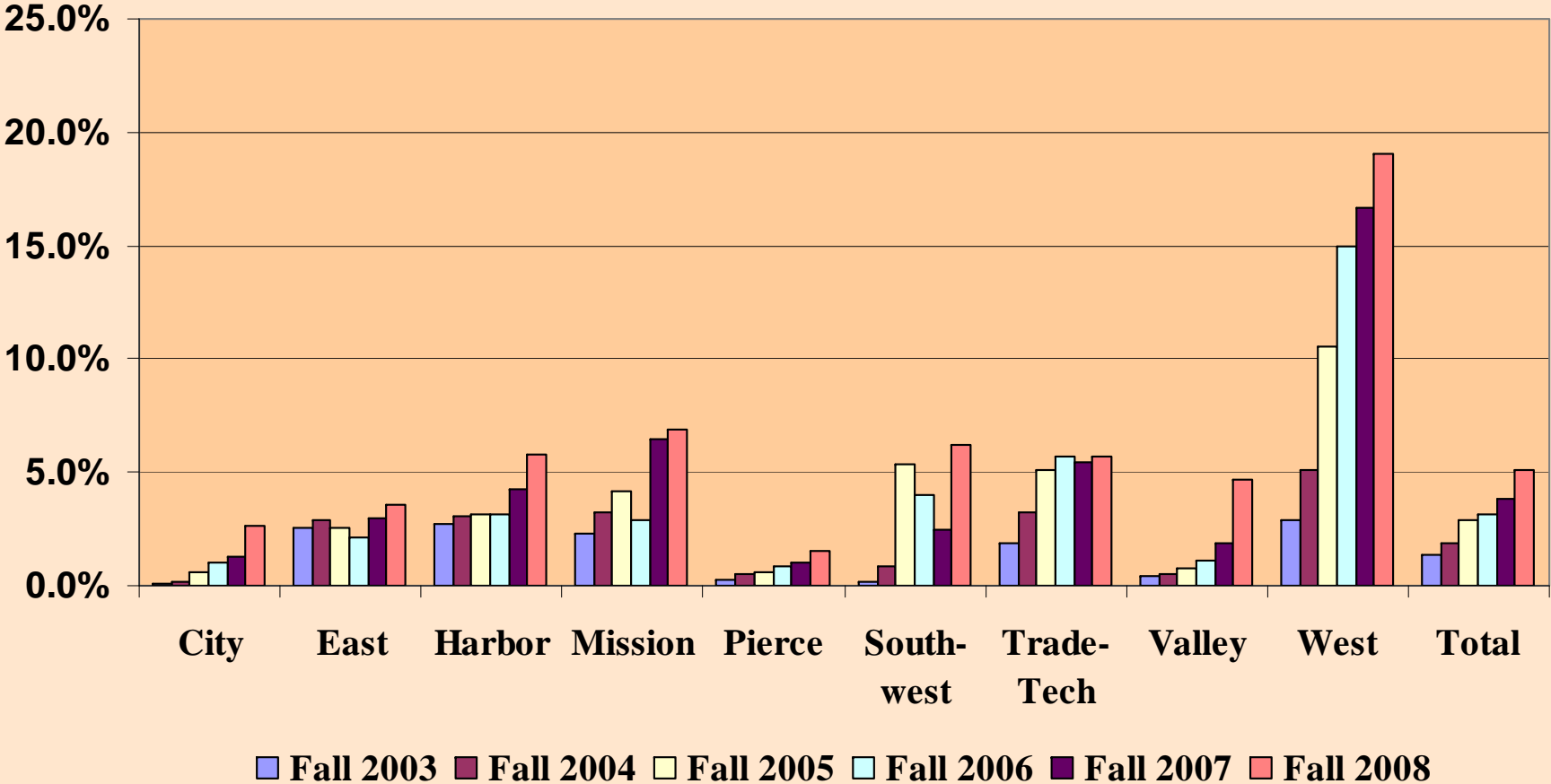
	City	East	Harbor	Mission	Pierce	South west	Trade- Tech	Valley	West	All	% Growth
Fall 2003	28	1,670	796	517	130	41	659	198	828	4,867	-
Fall 2004	81	1,802	798	651	271	162	1,143	237	1,229	6,374	31.0%
Fall 2005	291	1,683	854	837	315	907	1,801	329	2,651	9,668	51.7%
Fall 2006	514	1,507	885	555	462	710	1,968	501	3,535	10,637	10.0%
Fall 2007	704	2,286	1,199	1,407	585	464	1,912	876	4,784	14,217	33.7%
Fall 2008*	1,134	2,125	1,278	1,525	789	985	1,607	1,980	4,139	15,562	9.4%

* Fall 2008 data is preliminary and likely incomplete

Percent of All Class Enrollments by College



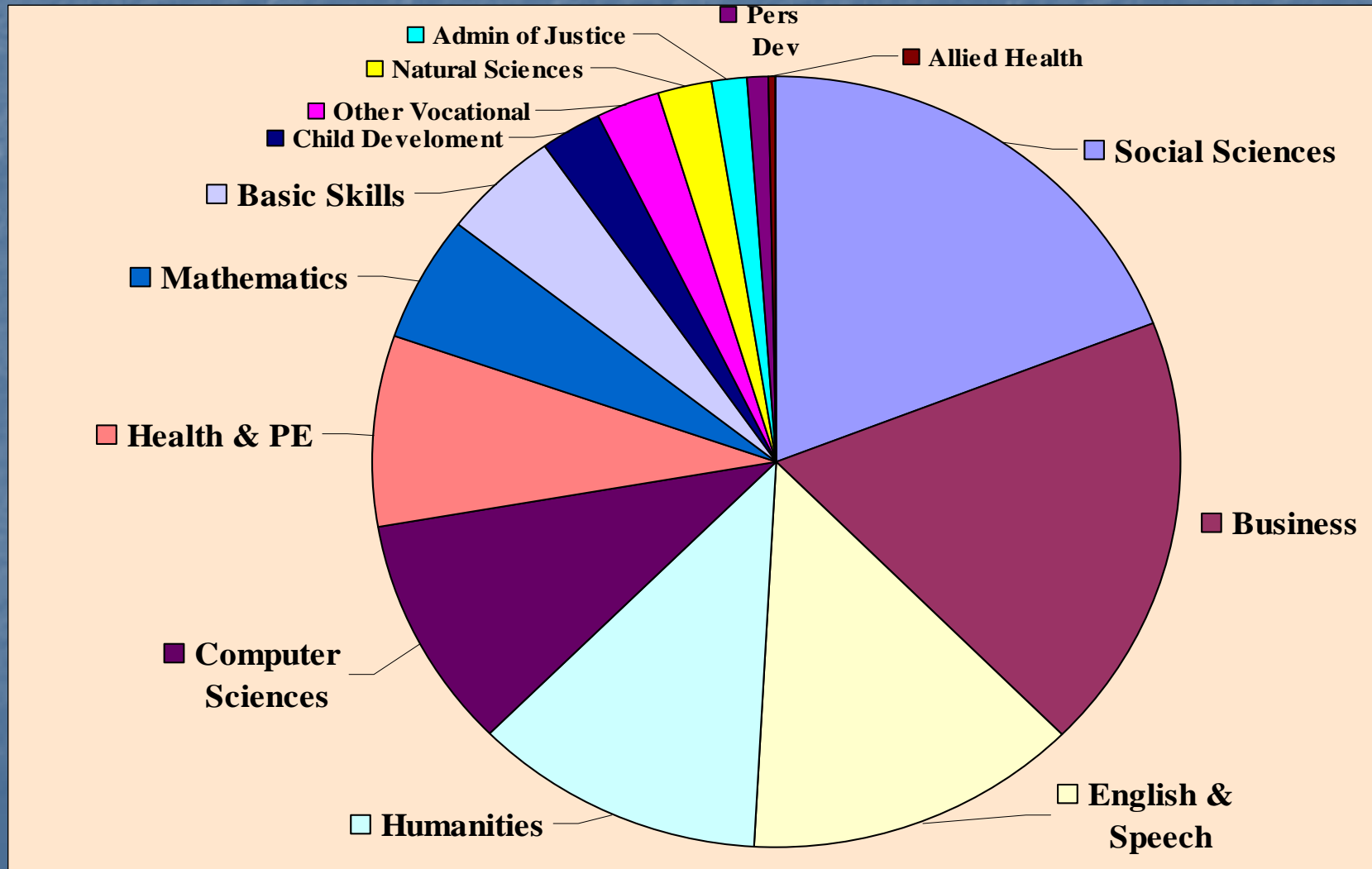
Percent of All Class Enrollments by College Fall Terms Only



Colleges vary in the variety of on-line courses offered
but this has steadily increased everywhere.

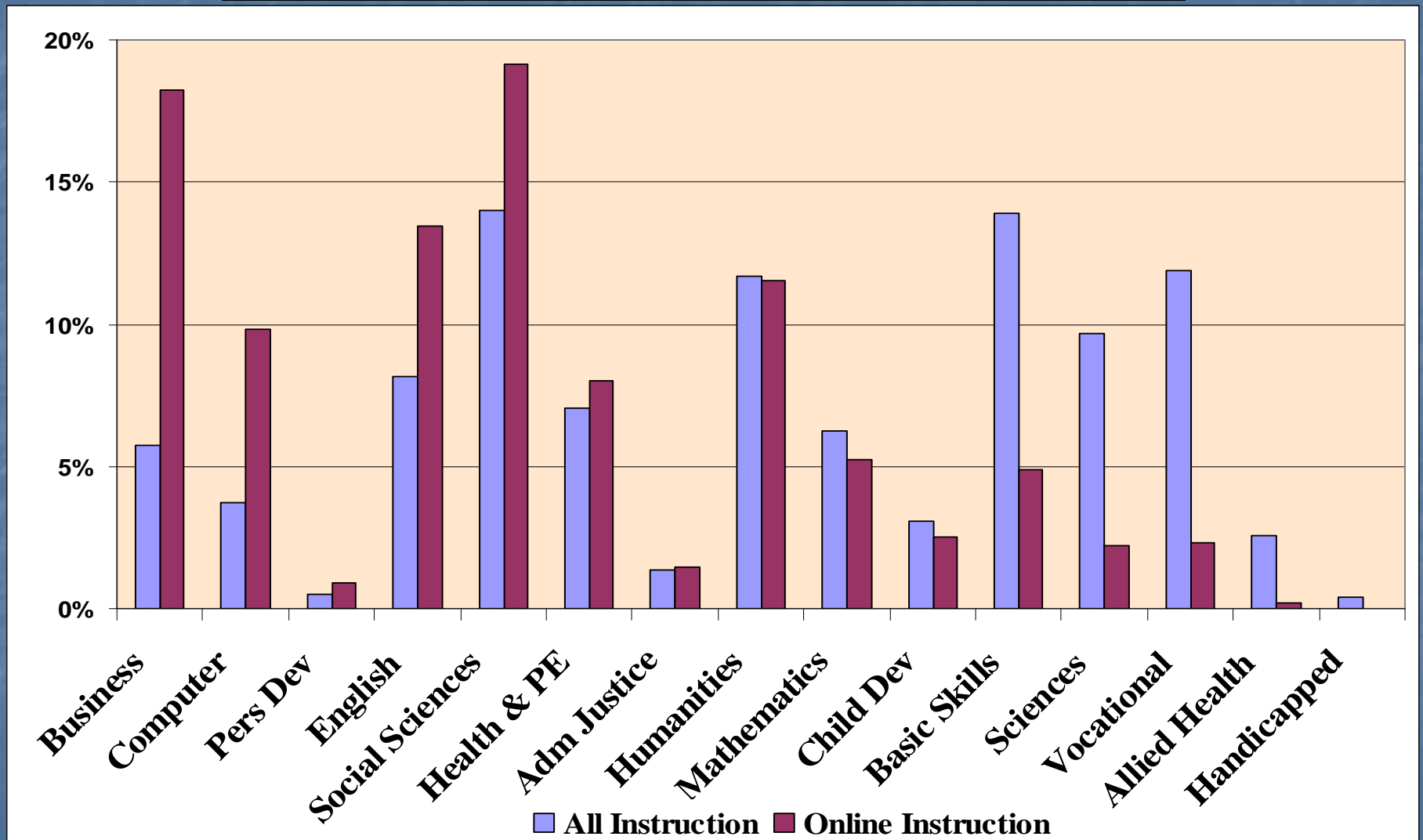
	<i>City</i>	<i>East</i>	<i>Harbor</i>	<i>Mission</i>	<i>Pierce</i>	<i>South- west</i>	<i>Trade- Tech</i>	<i>Valley</i>	<i>West</i>	<i>Total</i>
<u>Number of different courses offered</u>										
2003-04	2	39	23	23	5	2	33	6	38	171
2004-05	5	42	28	26	6	7	53	9	60	236
2005-06	13	44	33	29	10	16	70	13	80	308
2006-07	18	44	34	31	14	14	77	22	103	357
2007-08	34	46	41	46	18	17	75	33	133	443

The Social Sciences, Business and English & Speech account for over half of all on-line enrollments



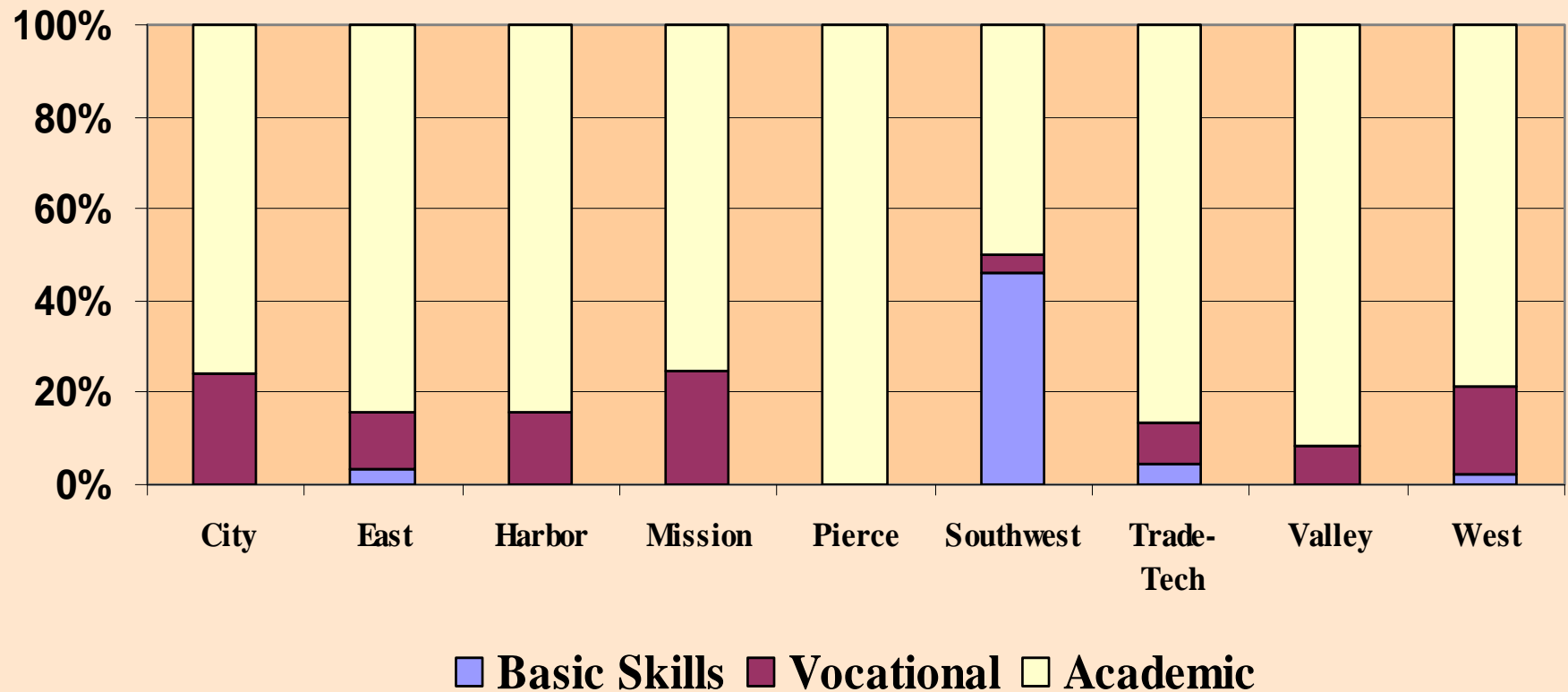
Some Subject Areas more Prominent in Online Instruction

% of FTES in All Instruction vs. Online



Academic courses predominate in on-line enrollments, but there is substantial variation among the colleges

Proportion of Enrollments by Curriculum Area 2007-08



Online Instruction Appears
Relatively Highly Integrated with
“Regular” Program

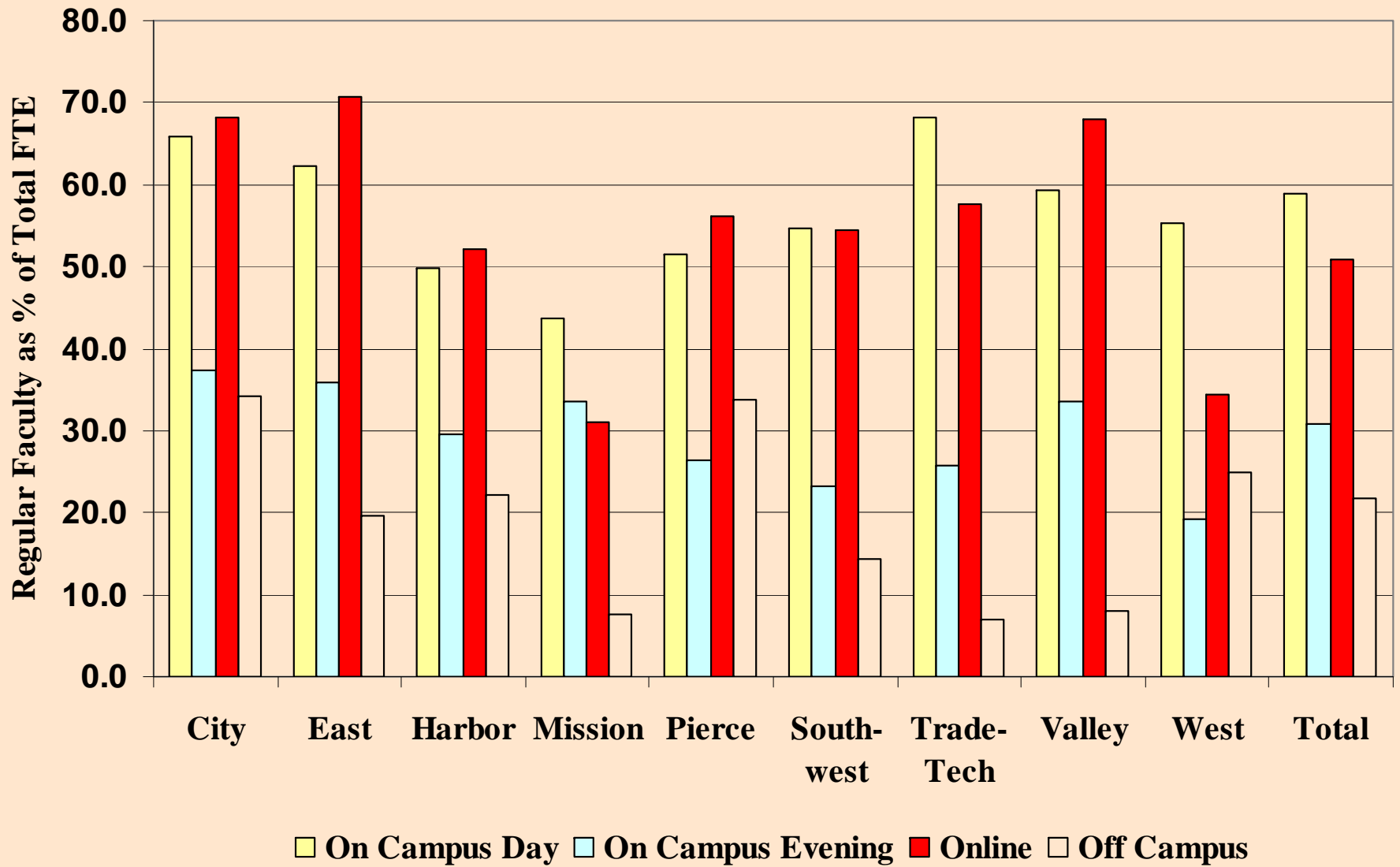
Online Students are essentially our same students

- By Fall 2007, almost 8% of all students were enrolled in an online class.
- 63% of these “online students” also enrolled in another on-campus or off-campus class (dual enrolled)
- 25% were on-line only but had previously been enrolled in one of the colleges
- 13% of online students, less than 1% of all students, had no current or previous non online enrollment

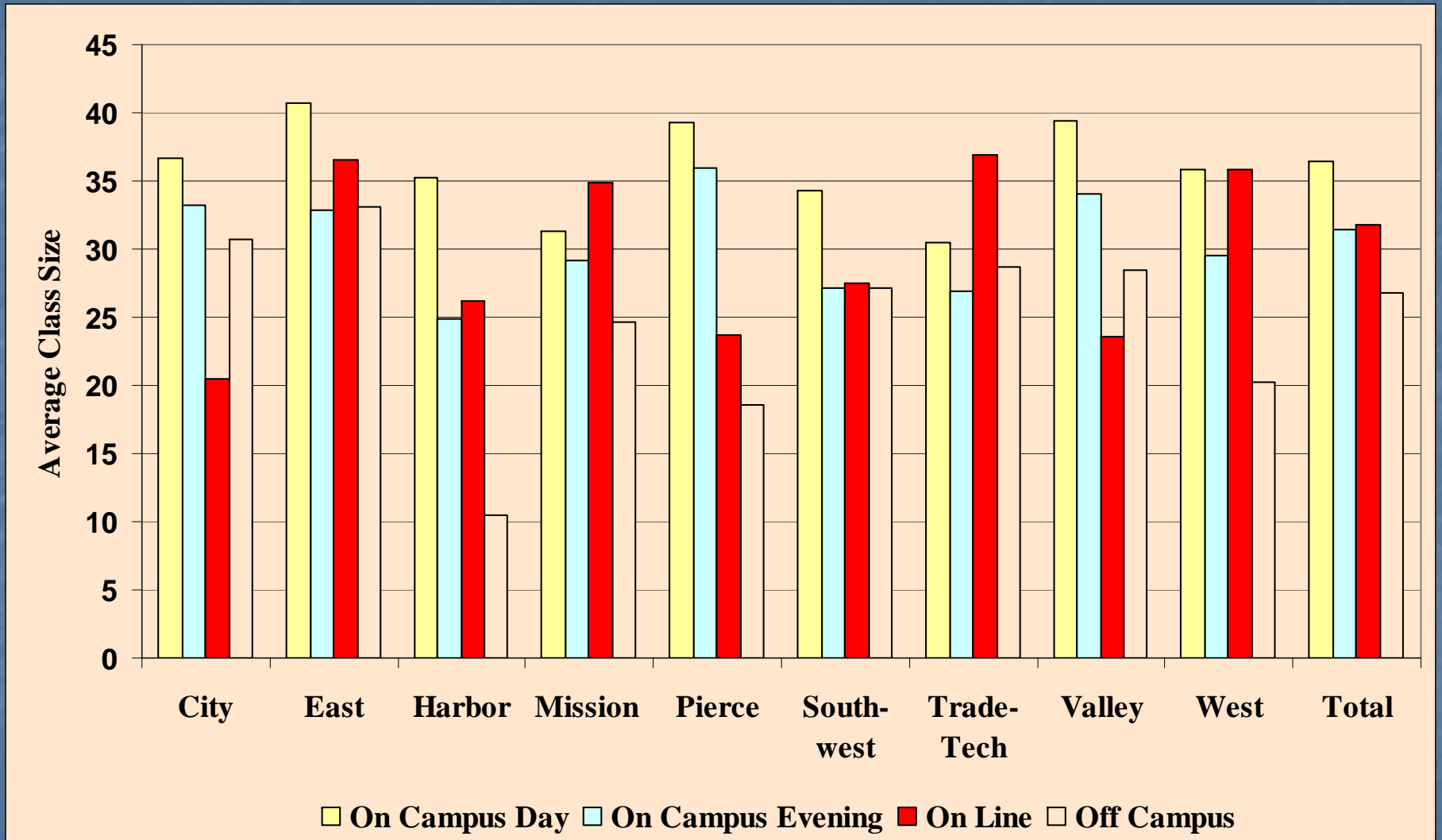
Online only students are more likely to reside outside of LACCD service area

- 12.6% of non-online students reside outside of LACCD service area
- 16.6% of dual enrolled students reside outside of LACCD service area
- 19.9% of online only students WITH prior non-online enrollment reside outside of LACCD service area
- 33.4% of online only student WITHOUT prior non-online enrollment reside outside of LACCD service area
 - 1/3 of this group are from outside of Los Angeles County
- **But only 5% of all online students are truly “distant”**

Also the same Faculty



Class Sizes Similar to On-Campus



Top Ten Online Courses

Illustrating Integration

% of Online

10. Logic in Practice	1.8
9. Political & Social History of the US I	2.2
8. Introduction to Sociology	2.6
7. Intermediate Algebra	3.0
6. Elementary Algebra	3.0
5. Introduction to Philosophy	3.1
4. General Psychology I	3.3
3. Government of the United States	3.4
2. College Reading & Composition (English 28)	3.7

1. Principles of Healthful Living 5.6

(of 292 courses offered 2007-08)

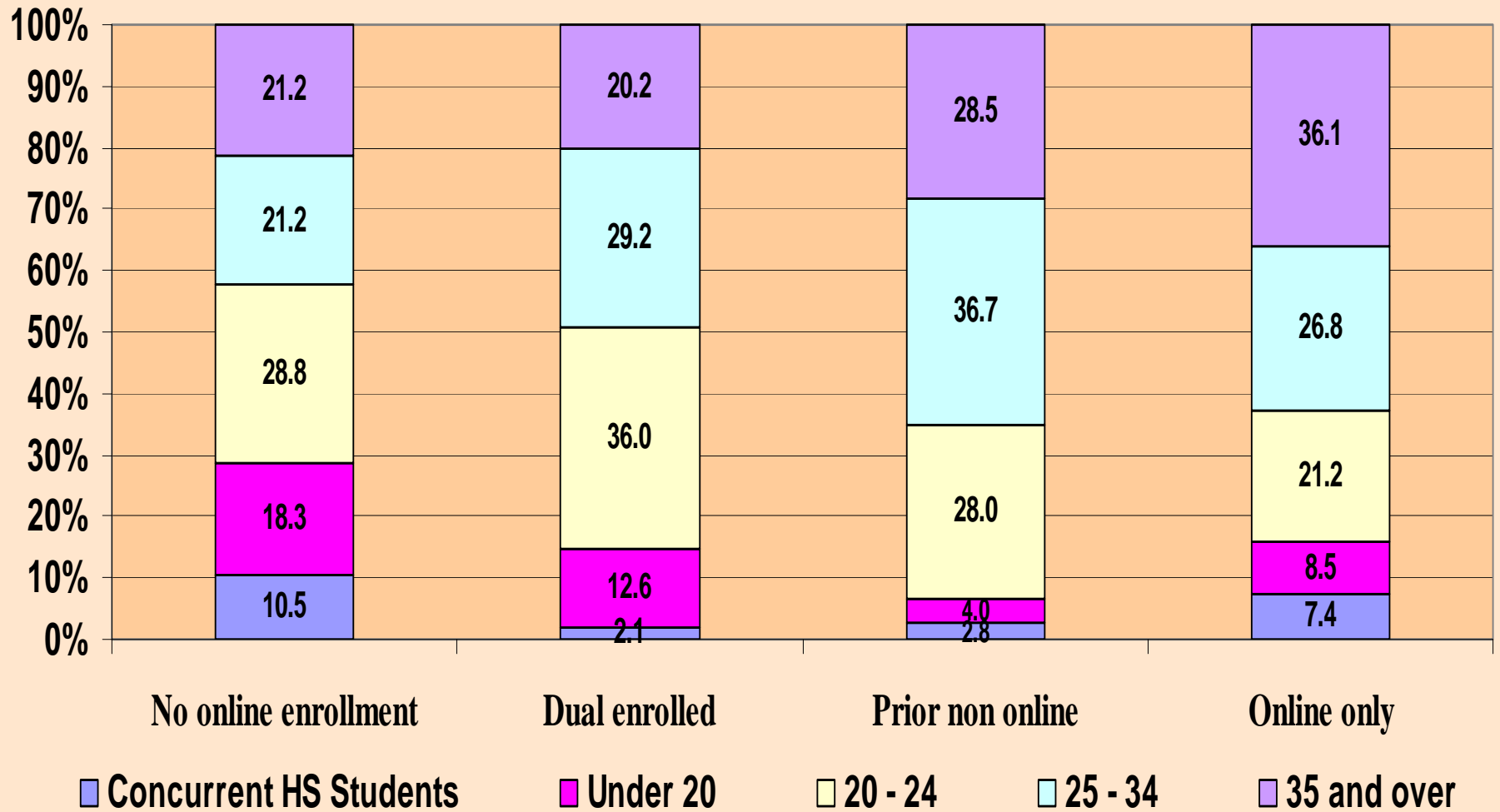
Some Differences of Degree among Online Students

But may be due to differences of
scale among the colleges or to
nature of programmatic offerings

Online students are somewhat older than those enrolling only in traditional classes

- 42% of traditional students are over 25 years old
- Dual enrolled students are closer in age to the traditional students (49% are over 25 years old)
- Online only students are decidedly older (63% are over 25 years old)

Age of Online and Traditionally Enrolled Students Fall 2007



Women are somewhat more likely to enroll online

	City	East	Harbor	Mission	Pierce	South-west	Trade-Tech	Valley	West	Total
<i><u>Percent Female</u></i>										
No online enrollment	58.7%	61.5%	61.1%	62.8%	56.0%	73.6%	48.6%	59.2%	59.2%	59.0%
Dual enrolled	63.8%	69.8%	68.7%	72.5%	63.5%	80.3%	64.6%	65.6%	67.2%	68.0%
Prior non online	62.4%	72.9%	72.3%	76.2%	65.9%	85.0%	72.7%	68.4%	68.5%	71.1%
Online only	38.9%	64.3%	58.8%	77.2%	61.8%	83.3%	69.3%	76.0%	61.7%	64.6%

There are possibly significant differences in online enrollment among ethnic groups.

- African Americans and White students are larger proportions of on-line students than among the traditionally enrolled.
- Hispanic students are significantly smaller proportions of online students than among the traditionally enrolled.
- Asian students are fairly similar proportions across all categories of enrollment

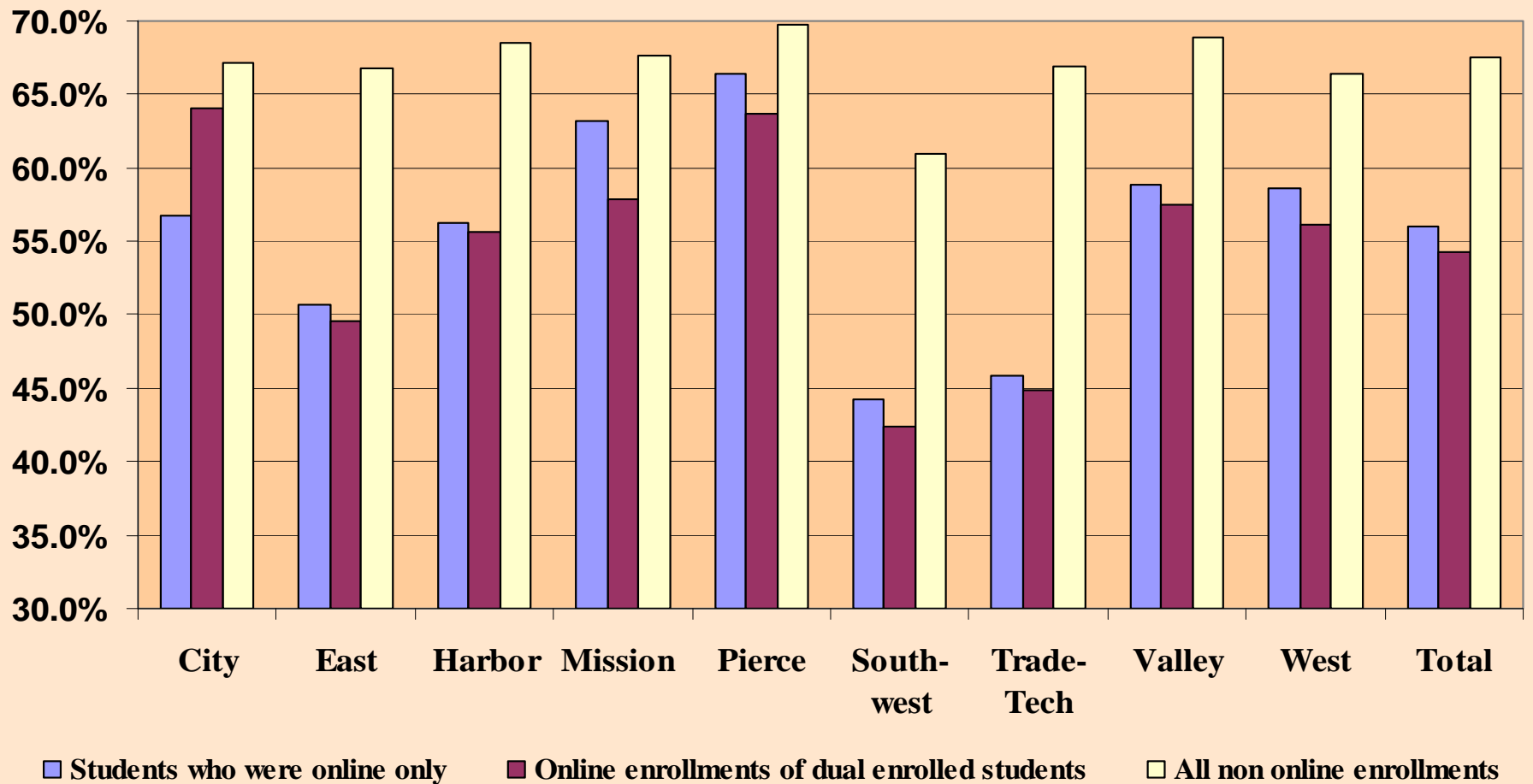
Students enrolling in on-line classes are more likely to withdraw before the non-penalty drop date.

For the 2007-08 academic year the % of withdrawals from 'credit' classes before the non penalty date were as follows:

- 37.4% in regular classes (on-campus and off-campus)
- 45.0% in on-line classes

And those who do remain are less likely to complete those courses successfully

Successful Course Completion 2007-08



Fall to spring persistence for online only students is also lower than that for traditionally enrolled, but dependent on intensity of enrollment

- With 2+ classes but no online enrollment – 70.7%
- With both online and regular classes – 69.5%
- With online classes only – 37.0%
- With only one class (not online) – 32.6%