

2004-2005 Texas DL Descriptive Report

NABE 2005

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Texas Two-way Consortium (TTC) 2000-2001

- Paper Survey - 63 two-way or DL programs in 32 school districts in Texas.

Research Questions

- How many DL programs can be identified in Texas via an electronic survey by program type, grade level, number of classrooms, by languages, by % of native speakers, and years of implementation?

Participants

- **We were able to identify 304 bilingual directors representing 304 school districts.**

Instrument

The questionnaire consisted of 15 items and was pilot tested with bilingual administrators, teachers and Title III coordinators in both a paper and an online format.

Results – *How Many DL in TEXAS?*

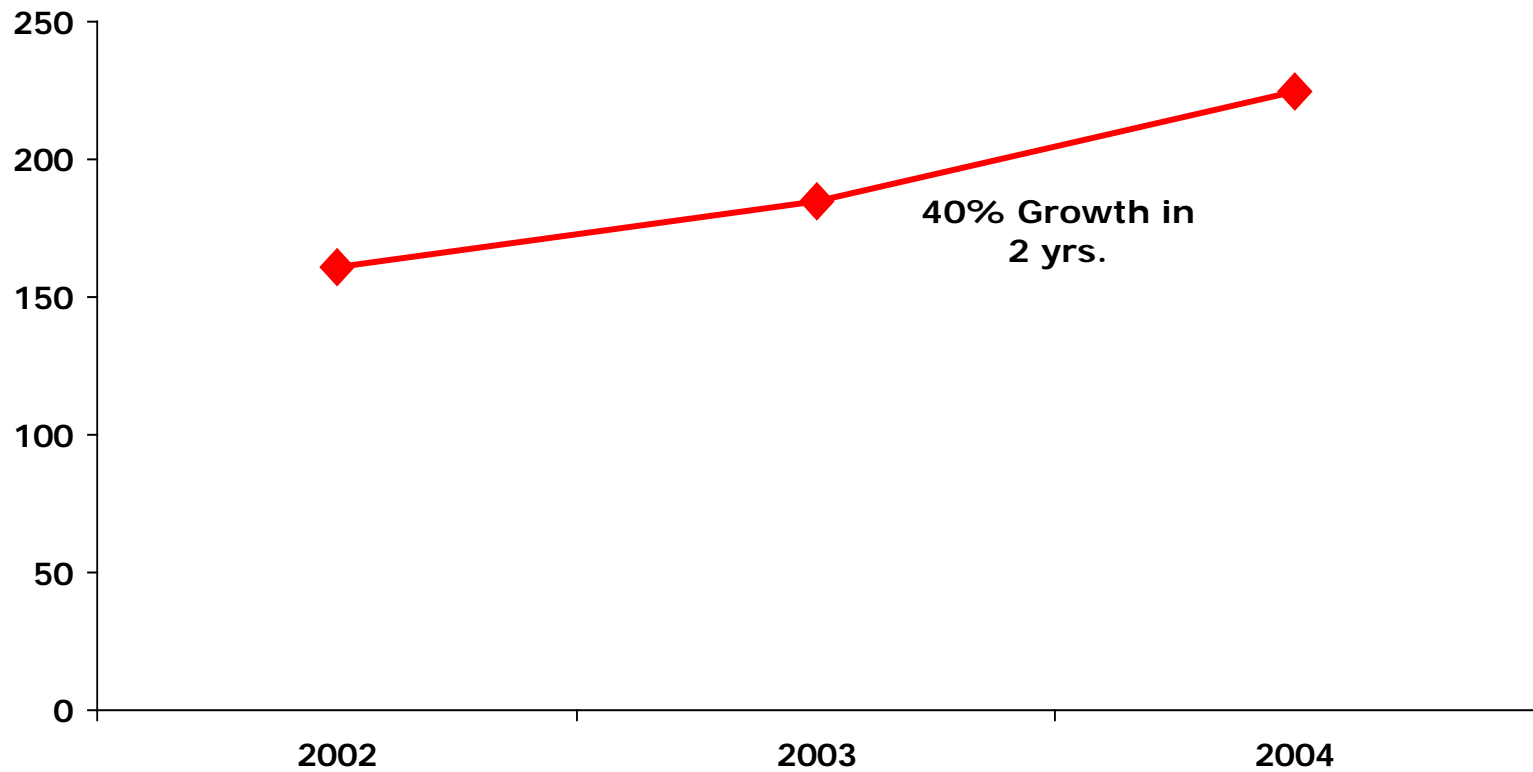
- In 2002-2003, **166** two-way programs were identified in **61** school districts in Texas.
- In 2001-2002, **63** two-way programs in **17** districts in Texas.

NOW?

- In 2003-2004, **225** DL programs were identified in 85 school districts in Texas.

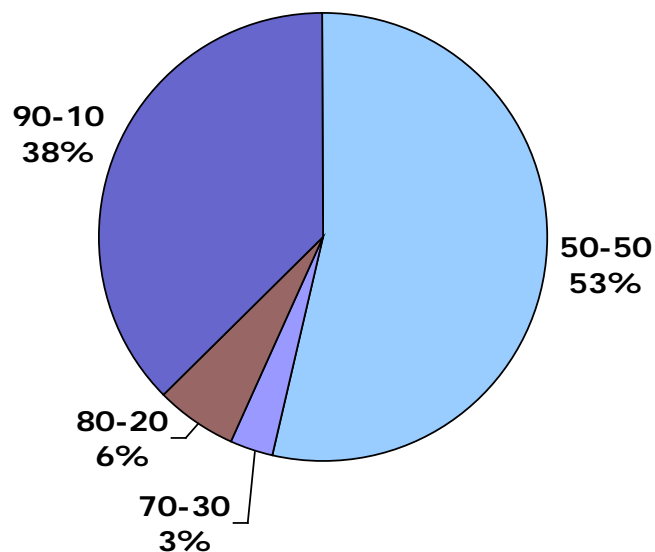
40% growth rate in 2 years!

DL Program Rate of Growth



Results – Program Type?

Percent Distribution of Reported Two Way Model Types



50:50 vs. 90:10

- 121 50:50 programs or 56%
- Trend toward 50:50 programs

Results – year of Implementation

- Newness of many programs (years 4-6+= 53%) (Planning year – year 3= 47%) Approximately ½ are new programs.

Percent Distribution of Reported Year of Implementation

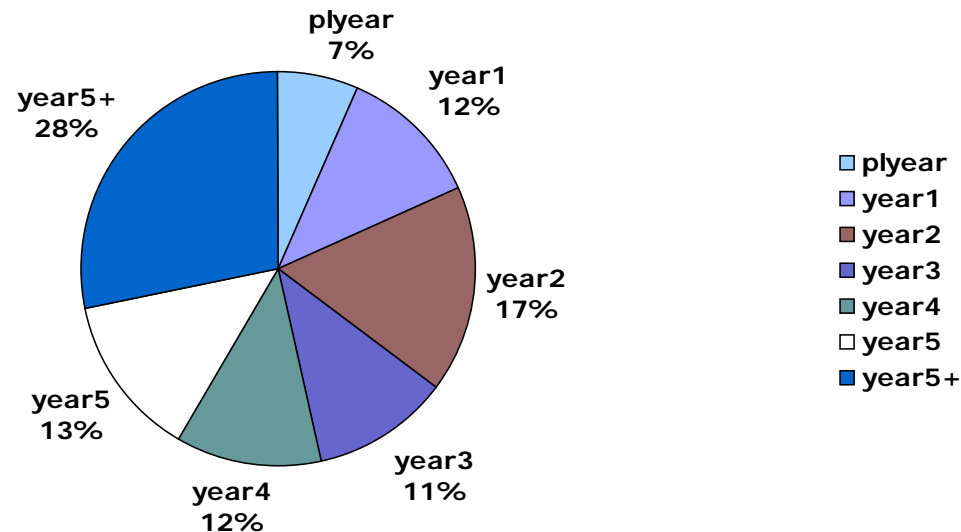
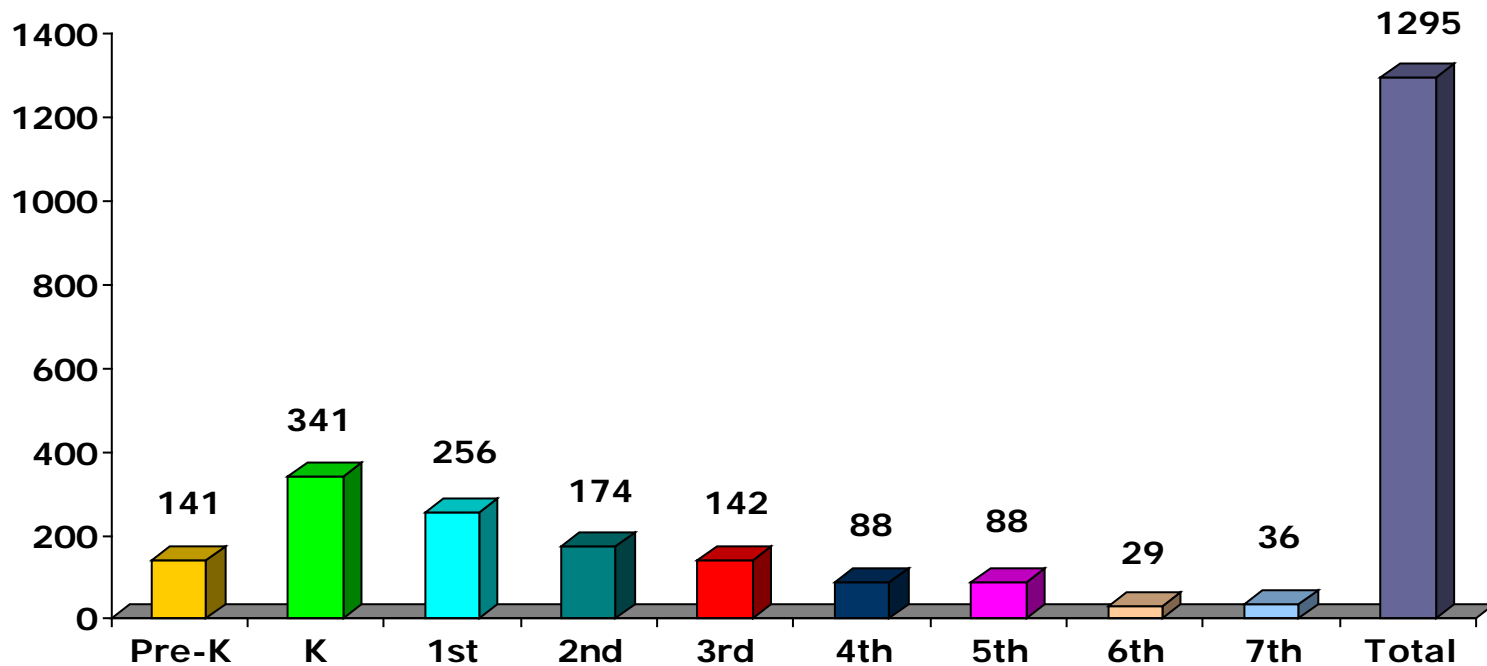


Figure 3. Number of TWI Classes by Grade Level N=1295

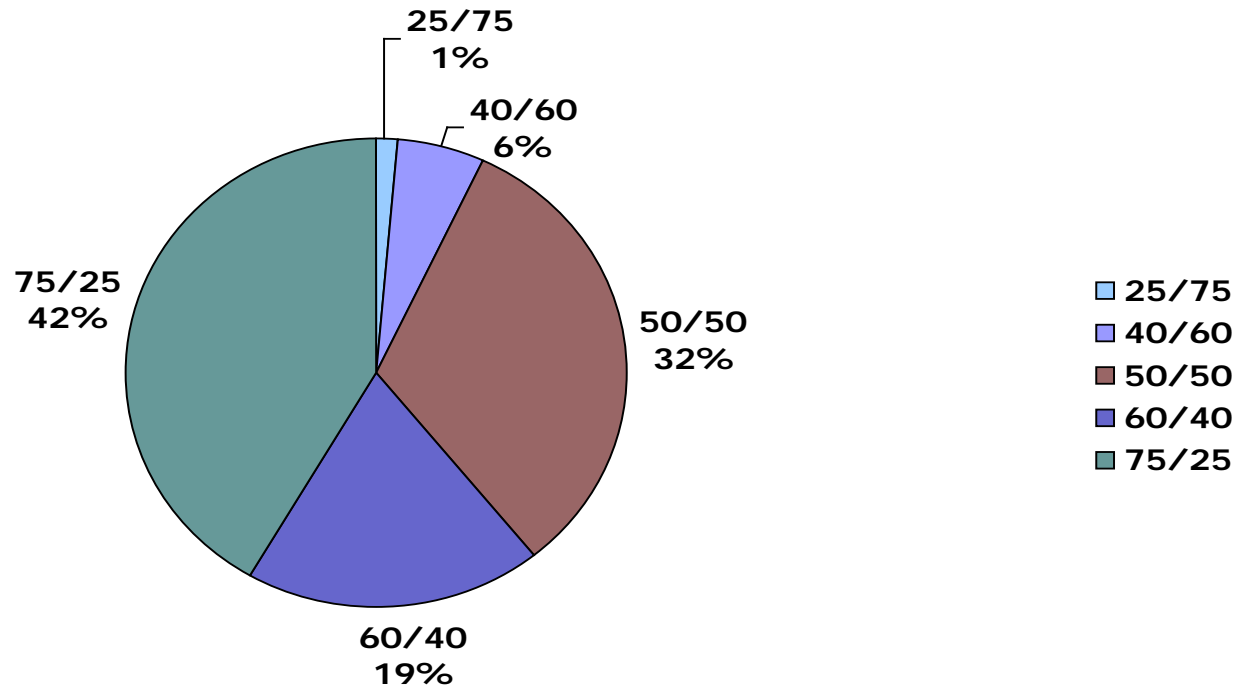
Number of Classes per Grade Level



- Texas limits class size to 22 students per class in K-4 so we can extrapolate that the total number of students served in two-way programs in Texas is *roughly* **28,490**

Distribution of NS to NE Speakers

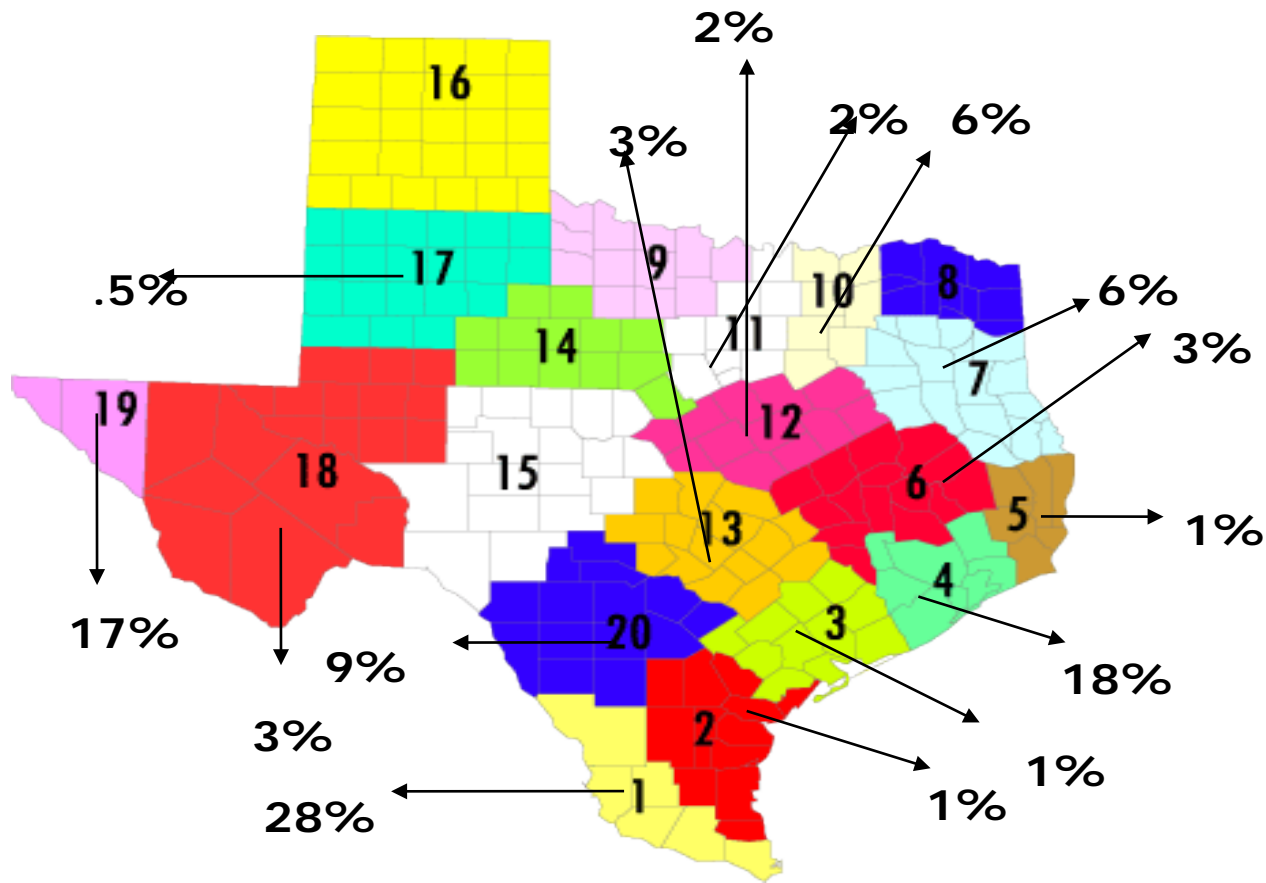
Percent Distribution of Reported Distribution of Native Spanish and Native English Speakers



Distribution of NS to NE Speakers

- Only **57%** of programs reported a somewhat balanced language distribution

DL in ESCs



Notable Trends

- Trend toward 50:50
- Few middle or secondary programs
- 80% of students are served at elementary (PK-4)
- 68% of programs are a strand (1-2 classes per grade level)
- Nearly $\frac{1}{2}$ of programs are new

DL Cost Analysis

- ***How much does a DL program cost per pupil above and beyond the typical transitional bilingual program?***

Mean Per Pupil \$ for ALL

	Start-up Costs	Annual Costs	Additional Funds
	512	525	263

Mean Per Pupil \$ by Program Size

Program Size	Start-Up	Annual	Additional
Small (n=27)	825	879	568
Medium (n=31)	399	406	209
Large (n=25)	312	290	197

Mean Per Pupil \$ by Model

DL Model	Annual	Additional
90:10 (n=27)	389	246
50:50 (n=56)	388	238

Mean per Pupil \$ by Teacher Model

Teacher Model	Annual	Additional
Two-teacher Mixed	297	231
One-teacher Mixed	522	241
Two-teacher Separated	448	277

Federal Funding

- **88% of large (22)** received Fed. Funding
- Overall **53%** of all campuses responding received federal funding
- Average award of **\$498,874** over a 3-5 year period
- Concerns over sustainability of many of state's DL program without other funding avenues.

Major Findings

- Larger DL programs are least costly per pupil
- Two-Teacher Mixed Model is least costly per pupil
- No \$ difference per pupil b/w 50:50 & 90:10
- 24 student (one-teacher mixed) classroom on average costs \$12,600 in additional funds (based on average of \$525 per pupil)
- Two-teacher mixed costs \$7128 per classroom in additional funding

More major findings

- Recurring theme of lack of funding for **SLLs who are approximately 40% of DL students**
- Difference of **\$119** per student. This figure represents a **36.5%** increase of costs associated with native English speakers.

% of	10-29%	30-49%	50%+
Average Cost Per Pupil	326.37	445.36	413.81

More major findings

- Small Program Start-up should *minimally* be **\$39,000** (based on \$825 per pupil)
- Small Program Annual budget should *minimally* be **\$56,000** (based on \$879 per pupil)

Visit:

<http://texastwoway.org>

<http://ldn.tamu.edu/archives/nabe2005.ppt>

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