To:	OUSD Board of Education
From:	Charles Wilson, Executive Director, Enrollment Services
	Nana Xu, Director of Strategic Planning and Policy, Enrollment Services
Subject:	**OUSD Feeder Patterns Overview**
Date:	April 26, 2017

Executive Summary

- Demand is defined as the number of 1st choice applicants divided by the number of available seats
- **Across all schools**, many schools have demand rates less than 50% and select schools have demand rates more than 100%
  - Moderate positive correlation between strong performance and demand; many outliers exist among OUSD schools
- **At the individual school level,** two key factors driving demand are "span schools" and location

  o "Span schools" (K-8 or 6-12 schools) often have limited available seats for new applicants

  o High demand schools in 2016 tend to be in Northwest region (elementary, middle, and high)
- Patterns of quality are often compounded as we consider long term feeder patterns
- Next steps include researching and evaluating potential policy changes

Key takeaways:

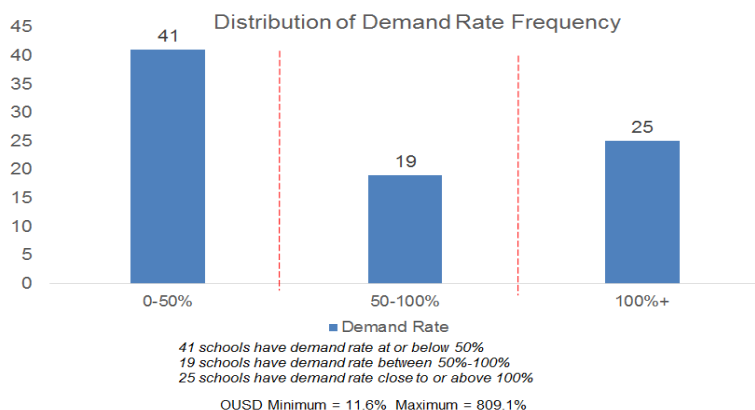Demand Rate data for each school has been calculated for the 2016/2017 school year

Demand is calculated by dividing the number of on-time, 1st choice applications by the number of available seats filled by applicants on CBEDS date

Example: Claremont Middle School

- Number of on-time,1st choice applicants: 147

- Number of available seats filled by CBEDS date: 138

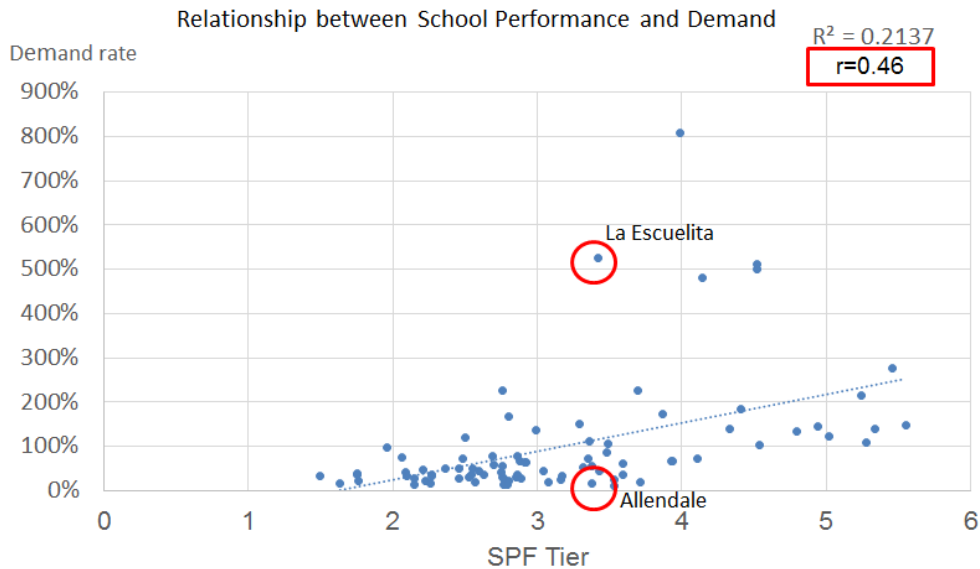**Claremont Demand Rate: 147/138 = 1.065 = 106.5%**

Demand in OUSD is bifurcated: many schools have demand rates less than 50% while select schools have demand rates more than 100%

Distribution of Demand Rate Frequency

41 schools have demand rate at or below 50%
19 schools have demand rate between 50%-100%
25 schools have demand rate close to or above 100%

OUSD Minimum = 11.6% Maximum = 809.1%

Moderate positive correlation between strong performance and demand; many outliers exist among OUSD schools

Relationship between School Performance and Demand

$R^2 = 0.2137$

r=0.46

Demand rate

[Scatter plot showing Demand rate (0% to 900%) on y-axis versus SPF Tier (0 to 6) on x-axis, with a dotted trend line. La Escuelita circled at approximately (3.4, 525%) and Allendale circled at approximately (3.3, near 0%).]

Of the top 10 demand schools, 7 are span schools (K-8 or 6-12 schools) because these schools have limited available seats for new applicants

Top 10 Schools by Demand (all schools)

District Demand Rank	School Name	SPF Tier (1-6)	FRL	Minority	Demand	Available seats	Region
1	Life (9th)	3.99	89%	99%	809%	11	East
2	La Escuelita (6th)	3.42	92%	96%	525%	4	Central
3	Met West	4.52	78%	95%	513%	40	Central
4	CCPA (9th)	4.52	94%	100%	500%	9	East
5	Greenleaf (6th)	4.14	93%	98%	480%	5	East
6	Hillcrest (6th)	5.46	18%	41%	277%	31	Northwest
7	Life (6th)	3.7	93%	99%	227%	64	East
8	CCPA (6th)	2.76	94%	100%	226%	65	East
9	Peralta	5.24	22%	45%	214%	49	Northwest
10	Edna Brewer	4.41	64%	85%	183%	238	Northwest
-	*OUSD avg (all schools)*	*3.17*	*72%*	*89%*	-	-	-

Notes: School Performance Framework (SPF) is OUSD's school report card; this helps schools focus on strengths and areas for targeted improvement; schools are given a tier on a scale of 1-6 that takes into consideration both academic and culture/climate measures
Minority defined as non-white

☐ K-8 or 6-12 schools

Another key driver of demand is region: most high demand elementary schools are in NW and tend to have lower FRL and minority students

Top 10 Elementary Schools by Demand

District Demand Rank	School Name	SPF Tier (1-6)	FRL	Minority	Demand	Available Seats in 2016	Region
9	Peralta	5.24	22%	45%	214%	49	Northwest
14	Hillcrest (K)	5.55	5%	41%	147%	43	Northwest
15	Montclair	4.94	15%	58%	146%	125	Northwest
16	Sequoia	4.33	40%	72%	138%	99	Northeast
17	Crocker	5.34	7%	40%	138%	73	Northwest
19	Chabot	4.8	13%	44%	133%	94	Northwest
20	Lincoln	5.02	81%	97%	124%	148	Central
22	Redwood Hts	3.36	25%	58%	111%	62	Northeast
23	Thornhill	5.28	13%	49%	108%	79	Northwest
25	Cleveland	4.54	50%	84%	103%	73	Central
-	*OUSD avg (all schools)*	*3.17*	*72%*	*89%*	-	-	-

Note: Minority defined as non-white
Source: OUSD demand data

Many high demand middle schools are also in NW

Top 10 Middle Schools by Demand (excluding span schools)

District Demand Rank	School Name	SPF Tier (1-6)	FRL	Minority	Demand	Available Seats in 2016	Region
10	Edna Brewer	4.41	64%	85%	183%	238	Northwest
21	Montera	2.5	49%	78%	119%	232	Northwest
24	Claremont	3.49	51%	72%	107%	138	Northwest
26	WOMS	1.96	97%	89%	98%	40	West
31	Westlake	2.48	85%	97%	73%	79	West
33	Roosevelt	3.35	93%	98%	71%	153	Central
35	Frick	2.88	86%	98%	66%	70	East
37	UPA	2.92	94%	97%	64%	112	East
42	Bret Harte	2.76	66%	93%	56%	136	Northeast
45	Alliance	2.55	82%	99%	49%	93	East
-	*OUSD avg (all schools)*	*3.17*	*72%*	*89%*	-	-	-

Note: Schools above exclude span schools; Minority defined as non-white
Source: OUSD demand data

At the high school level, highest demand schools are either in NW or small by design

Top High Schools by Demand

District Demand Rank	School Name	SPF Tier (1-6)	FRL	Minority	Demand	Available Seats in 2016	Region
3	Met West	4.52	78%	95%	513%	40	Central
11	Oakland Tech	3.87	45%	77%	173%	471	Northwest
38	Skyline	2.91	76%	94%	64%	445	Northeast
44	Castlemont	2.46	77%	99%	50%	221	East
49	Oakland High	3.04	88%	98%	44%	410	Central
56	Fremont	2.63	85%	98%	36%	193	East
71	McClymonds	3.16	89%	96%	24%	101	West
-	*OUSD avg (all schools)*	*3.17*	*72%*	*89%*	-	-	-

Note: Schools above exclude span schools; Minority defined as non-white
Source: OUSD demand data

Patterns of quality are compounded over the long term; high quality elementary schools often associated with high quality middle and high schools

Sample data

Region	Elementary School SPF	Middle School SPF	High School SPF	Feeder Pattern Sum SPF
East	Global Family 2.70	United for Success 2.21	Skyline 2.91	7.82
East	Fruitvale 2.15	Bret Harte 2.76	Skyline 2.91	7.82
Northwest	Piedmont 2.86	Claremont 3.49	Oakland Tech 3.87	10.22
Northwest	Crocker 5.34	Edna Brewer 4.41	Oakland Tech 3.87	13.62

Note: Schools above represent most common feeder patterns from above Elementary and Middle Schools for OUSD district-run schools in 2015-2016
Source: OUSD feeder pattern data

NEXT STEPS

Feeder pattern study is a multi-year strategy; we are in the research and policy proposals phase
School year 16/17

- Launch Access Study and community engagement efforts

- Collect data and conduct analysis for potential policy changes

Potential round 1 and 2 priority policy changes that could impact feeder patterns and influence demand rate:

1. Clean up "Program Improvements" board policy?
2. Prioritize residents of Oakland in lottery system?
3. Prioritize staff at school sites in lottery system? (all schools)
4. Implement programmatic/cohort feeder patterns?
5. Pilot SES requirements at newly created theme schools?
6. Students at a site ECE or state pre-K have priority?
7. Prioritize OUSD 8th graders
8. Prioritize OUSD Cohort persistence
9. Others?

School year 17/18
Determine which changes are round 1 vs. round 2 based on community interest, operational capacity, and technological capabilities

Establish legal clearance on round 1 policy changes

Operationalize round 1 policy changes

School year 18/19
Learnings from round 1 policy changes documented

Begin legal clearance and operationalization of round 2 policy changes