

# December 2019

## Logan International Airport

### Runway Use (Operations)

2019 Jet	YTD		January		February		March		April		May		June		July		August		September		October		November		December	
	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep
04L	6,416	0	266	0	167	0	494	0	422	0	907	0	697	0	767	0	742	0	1,015	0	718	0	138	0	83	0
04R	58,519	7,162	2,597	331	2,780	362	3,204	504	4,840	475	7,846	856	6,157	699	5,221	837	5,491	722	5,846	754	7,935	865	3,458	319	3,144	438
9	0	55,783	0	2,287	0	2,740	0	3,239	0	4,560	0	7,557	0	5,782	0	5,189	0	5,096	0	5,908	0	7,305	0	3,376	0	2,744
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15R	827	7,910	0	469	261	449	96	497	1	649	0	832	53	1,148	2	902	1	874	48	577	100	497	128	353	137	663
22L	52,070	3,086	3,825	345	2,707	115	4,427	261	4,969	305	4,214	208	4,492	277	6,008	411	5,167	360	4,313	230	3,943	217	3,623	214	4,382	143
22R	19	53,015	1	4,017	1	2,585	1	4,862	2	4,956	0	4,184	2	4,134	1	5,669	6	5,219	4	4,613	0	4,371	0	4,261	1	4,144
27	38,656	23,015	3,881	2,221	4,262	2,390	4,347	2,309	3,586	1,916	1,730	1,478	2,743	1,273	2,417	1,321	3,208	1,455	2,316	1,948	2,162	1,450	4,021	2,717	3,983	2,537
33L	26,468	36,423	2,796	3,956	2,471	4,388	2,564	3,777	1,991	3,336	1,717	1,504	1,683	2,785	1,637	1,863	1,900	3,000	1,969	1,737	1,644	2,031	3,118	3,572	2,978	4,474
32	3,199	0	230	0	386	0	318	0	381	0	167	0	261	0	150	0	220	0	193	0	215	0	294	0	384	0
<b>Total</b>	<b>186,174</b>	<b>186,394</b>	<b>13,596</b>	<b>13,626</b>	<b>13,035</b>	<b>13,029</b>	<b>15,451</b>	<b>15,449</b>	<b>16,192</b>	<b>16,197</b>	<b>16,581</b>	<b>16,619</b>	<b>16,088</b>	<b>16,098</b>	<b>16,203</b>	<b>16,192</b>	<b>16,735</b>	<b>16,726</b>	<b>15,704</b>	<b>15,767</b>	<b>16,717</b>	<b>16,736</b>	<b>14,780</b>	<b>14,812</b>	<b>15,092</b>	<b>15,143</b>
<b>Total</b>	<b>372,568</b>		<b>27,222</b>		<b>26,064</b>		<b>30,900</b>		<b>32,389</b>		<b>33,200</b>		<b>32,186</b>		<b>32,395</b>		<b>33,461</b>		<b>31,471</b>		<b>33,453</b>		<b>29,592</b>		<b>30,235</b>	

2018 Jet	YTD		January		February		March		April		May		June		July		August		September		October		November		December	
	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep
04L	7,274	2	109	0	133	1	934	1	485	0	1,159	0	997	0	1,054	0	556	0	927	0	254	0	298	0	368	0
04R	57,899	7,437	2,297	191	1,919	128	6,354	1,377	4,152	335	6,798	749	5,780	749	5,216	779	5,622	707	8,249	1,041	3,914	474	4,878	615	2,720	292
9	0	54,800	0	2,174	0	1,851	0	5,737	0	4,303	0	6,787	0	5,478	0	5,230	0	4,970	0	7,801	0	3,464	0	4,364	0	2,641
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15R	754	8,464	75	543	31	884	46	338	248	601	73	1,115	1	930	128	1,163	91	1,059	37	571	2	448	1	324	21	488
22L	56,986	3,222	4,477	176	4,902	260	1,535	83	4,378	200	4,855	273	5,465	238	6,774	371	5,855	388	4,090	211	5,921	541	4,497	300	4,237	181
22R	14	61,917	1	4,601	0	5,162	1	1,836	3	4,875	3	5,324	1	5,736	0	7,165	2	6,621	0	4,531	1	6,759	0	4,781	2	4,526
27	37,071	18,593	3,605	1,949	3,556	1,729	2,936	1,873	4,094	1,991	1,964	1,281	2,376	1,545	2,014	820	3,094	921	1,585	543	4,278	1,488	3,335	1,675	4,234	2,778
33L	21,675	29,868	2,406	3,477	2,115	2,879	2,171	2,937	2,164	3,550	1,559	1,014	1,694	1,745	1,231	968	1,316	2,069	667	869	1,820	3,490	1,776	3,066	2,756	3,804
32	2,592	0	213	0	234	0	211	0	300	0	109	0	119	0	68	0	168	0	46	0	463	0	311	0	350	0
<b>Total</b>	<b>184,265</b>	<b>184,303</b>	<b>13,183</b>	<b>13,111</b>	<b>12,890</b>	<b>12,894</b>	<b>14,188</b>	<b>14,182</b>	<b>15,824</b>	<b>15,855</b>	<b>16,520</b>	<b>16,543</b>	<b>16,433</b>	<b>16,421</b>	<b>16,485</b>	<b>16,496</b>	<b>16,704</b>	<b>16,735</b>	<b>15,601</b>	<b>15,567</b>	<b>16,653</b>	<b>16,664</b>	<b>15,096</b>	<b>15,125</b>	<b>14,688</b>	<b>14,710</b>
<b>Total</b>	<b>368,568</b>		<b>26,294</b>		<b>25,784</b>		<b>28,370</b>		<b>31,679</b>		<b>33,063</b>		<b>32,854</b>		<b>32,981</b>		<b>33,439</b>		<b>31,168</b>		<b>33,317</b>		<b>30,221</b>		<b>29,398</b>	

**Runway 4R/22L was closed from May 15 - June 23, 2017 and had reduced availability through September 15th for 4R arrivals**

2017 Jet	YTD		January		February		March		April		May		June		July		August		September		October		November		December	
	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep
04L	7,903	0	104	0	114	0	396	0	492	0	2,192	0	547	0	1,523	0	698	0	686	0	436	0	486	0	229	0
04R	37,606	3,923	3,420	382	1,300	186	4,076	447	6,383	469	2,815	272	0	0	3,452	504	2,946	294	5,080	576	3,050	245	2,913	279	2,171	269
9	0	44,338	0	2,858	0	1,308	0	3,792	0	5,979	0	5,877	0	2,852	0	4,655	0	3,440	0	5,094	0	3,338	0	3,257	0	1,888
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15R	7,721	9,266	0	502	129	457	33	424	98	916	1,910	1,188	3,202	1,124	761	1,128	634	1,192	312	609	290	855	352	546	0	325
22L	39,464	2,070	3,386	268	3,500	219	2,050	131	3,494	253	1,325	52	1,124	54	4,081	135	4,980	139	2,490	158	6,373	332	3,785	183	2,876	146
22R	17	48,162	0	3,768	4	4,193	0	2,344	2	4,146	1	1,966	0	3,588	2	4,799	0	5,351	2	3,422	2	6,689	2	4,573	2	3,323
27	47,012	25,637	3,491	2,255	3,817	1,883	4,018	2,513	2,558	1,152	3,915	2,201	7,113	2,412	3,238	1,923	3,855	2,338	2,859	2,377	3,295	1,628	3,929	2,179	4,924	2,776
33L	30,987	40,407	2,326	2,884	2,571	3,415	3,280	4,590	1,423	1,677	2,807	3,730	2,926	5,316	2,428	2,421	2,636	3,345	3,051	2,370	1,770	2,330	2,484	3,217	3,285	5,112
32	3,170	0	211	0	252	0	403	0	161	0	310	0	421	0	97	0	328	0	155	0	199	0	297	0	336	0
<b>Total</b>	<b>173,880</b>	<b>173,803</b>	<b>12,938</b>	<b>12,917</b>	<b>11,687</b>	<b>11,661</b>	<b>14,256</b>	<b>14,241</b>	<b>14,611</b>	<b>14,592</b>	<b>15,275</b>	<b>15,286</b>	<b>15,333</b>	<b>15,346</b>	<b>15,582</b>	<b>15,565</b>	<b>16,077</b>	<b>16,099</b>	<b>14,635</b>	<b>14,606</b>	<b>15,415</b>	<b>15,417</b>	<b>14,248</b>	<b>14,234</b>	<b>13,823</b>	<b>13,839</b>
<b>Total</b>	<b>347,683</b>		<b>25,855</b>		<b>23,348</b>		<b>28,497</b>		<b>29,203</b>		<b>30,561</b>		<b>30,679</b>		<b>31,147</b>		<b>32,176</b>		<b>29,241</b>		<b>30,832</b>		<b>28,482</b>		<b>27,662</b>	

**Runway 4L/22R was closed from Sept. 16 - Oct. 17, 2016**

2016 Jet	YTD		January		February		March		April		May		June		July		August		September		October		November		December	
	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep
04L	6,011	0	171	0	253	0	437	0	1,074	0	820	0	747	0	574	0	801	0	509	0	120	0	367	0	138	0
04R	51,858	7,007	2,350	416	2,310	374	5,116	662	5,466	734	6,596	616	3,767	549	4,694	732	4,490	752	6,971	789	5,705	597	3,222	513	1,171	273
9	0	50,140	0	2,242	0	2,121	0	4,758	0	5,776	0	6,816	0	3,961	0	4,385	0	4,317	0	6,659	0					

**December 2019**  
**Logan International Airport**  
**Runway Use (%)**

2019 Jet	YTD		January		February		March		April		May		June		July		August		September		October		November		December		
	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	
04L	3.4%	0.0%	2.0%	0.0%	1.3%	0.0%	3.2%	0.0%	2.6%	0.0%	5.5%	0.0%	4.3%	0.0%	4.7%	0.0%	4.4%	0.0%	6.5%	0.0%	4.3%	0.0%	0.9%	0.0%	0.5%	0.0%	
04R	31.4%	3.8%	19.1%	2.4%	21.3%	2.8%	20.7%	3.3%	29.9%	2.9%	47.3%	5.2%	38.3%	4.3%	32.2%	5.2%	32.8%	4.3%	37.2%	4.8%	47.5%	5.2%	23.4%	2.2%	20.8%	2.9%	
9	0.0%	29.9%	0.0%	16.8%	0.0%	21.0%	0.0%	21.0%	0.0%	28.2%	0.0%	45.5%	0.0%	35.9%	0.0%	32.0%	0.0%	30.5%	0.0%	37.5%	0.0%	43.6%	0.0%	22.8%	0.0%	18.1%	
14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15R	0.4%	4.2%	0.0%	3.4%	2.0%	3.4%	0.6%	3.2%	0.0%	4.0%	0.0%	5.0%	0.3%	7.1%	0.0%	5.6%	0.0%	5.2%	0.3%	3.7%	0.6%	3.0%	0.9%	2.4%	0.9%	4.4%	
22L	28.0%	1.7%	28.1%	2.5%	20.8%	0.9%	28.7%	1.7%	30.7%	1.9%	25.4%	1.3%	27.9%	1.7%	37.1%	2.5%	30.9%	2.2%	27.5%	1.5%	23.6%	1.3%	24.5%	1.4%	29.0%	0.9%	
22R	0.0%	28.4%	0.0%	29.5%	0.0%	19.8%	0.0%	31.5%	0.0%	30.6%	0.0%	25.2%	0.0%	25.7%	0.0%	35.0%	0.0%	31.2%	0.0%	29.3%	0.0%	26.1%	0.0%	28.8%	0.0%	27.4%	
27	20.8%	12.3%	28.5%	16.3%	32.7%	18.3%	28.1%	14.9%	22.1%	11.8%	10.4%	8.9%	17.0%	7.9%	14.9%	8.2%	19.2%	8.7%	14.7%	12.4%	12.9%	8.7%	27.2%	18.3%	26.4%	16.8%	
33L	14.2%	19.5%	20.6%	29.0%	19.0%	33.7%	16.6%	24.4%	12.3%	20.6%	10.4%	9.0%	10.5%	17.3%	10.1%	11.5%	11.4%	17.9%	12.5%	11.0%	9.8%	12.1%	21.1%	24.1%	19.7%	29.5%	
32	1.7%	0.0%	1.7%	0.0%	3.0%	0.0%	2.1%	0.0%	2.4%	0.0%	1.0%	0.0%	1.6%	0.0%	0.9%	0.0%	1.3%	0.0%	1.2%	0.0%	1.3%	0.0%	2.0%	0.0%	2.5%	0.0%	
<b>Total</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

2018 Jet	YTD		January		February		March		April		May		June		July		August		September		October		November		December		
	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	
04L	3.9%	0.0%	0.8%	0.0%	1.0%	0.0%	6.6%	0.0%	3.1%	0.0%	7.0%	0.0%	6.1%	0.0%	6.4%	0.0%	3.3%	0.0%	5.9%	0.0%	1.5%	0.0%	2.0%	0.0%	2.5%	0.0%	
04R	31.4%	4.0%	17.4%	1.5%	14.9%	1.0%	44.8%	9.7%	26.2%	2.1%	41.2%	4.5%	35.2%	4.6%	31.6%	4.7%	33.7%	4.2%	52.9%	6.7%	23.5%	2.8%	32.3%	4.1%	18.5%	2.0%	
9	0.0%	29.7%	0.0%	16.6%	0.0%	14.4%	0.0%	40.5%	0.0%	27.1%	0.0%	41.0%	0.0%	33.4%	0.0%	31.7%	0.0%	29.7%	0.0%	50.1%	0.0%	20.8%	0.0%	28.9%	0.0%	18.0%	
14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15R	0.4%	4.6%	0.6%	4.1%	0.2%	6.9%	0.3%	2.4%	1.6%	3.8%	0.4%	6.7%	0.0%	5.7%	0.8%	7.1%	0.5%	6.3%	0.2%	3.7%	0.0%	2.7%	0.0%	2.1%	0.1%	3.3%	
22L	30.9%	1.7%	34.0%	1.3%	38.0%	2.0%	10.8%	0.6%	27.7%	1.3%	29.4%	1.7%	33.3%	1.4%	41.1%	2.2%	35.1%	2.3%	26.2%	1.4%	35.6%	3.2%	29.8%	2.0%	28.8%	1.2%	
22R	0.0%	33.6%	0.0%	35.1%	0.0%	40.0%	0.0%	12.9%	0.0%	30.7%	0.0%	32.2%	0.0%	34.9%	0.0%	43.4%	0.0%	39.6%	0.0%	29.1%	0.0%	40.6%	0.0%	31.6%	0.0%	30.8%	
27	20.1%	10.1%	27.3%	14.9%	27.6%	13.4%	20.7%	13.2%	25.9%	12.6%	11.9%	7.7%	14.5%	9.4%	12.2%	5.0%	18.5%	5.5%	10.2%	3.5%	25.7%	8.9%	22.1%	11.1%	28.8%	18.9%	
33L	11.8%	16.2%	18.3%	26.5%	16.4%	22.3%	15.3%	20.7%	13.7%	22.4%	9.4%	6.1%	10.3%	10.6%	7.5%	5.9%	7.9%	12.4%	4.3%	5.6%	10.9%	20.9%	11.8%	20.3%	18.8%	25.9%	
32	1.4%	0.0%	1.6%	0.0%	1.8%	0.0%	1.5%	0.0%	1.9%	0.0%	0.7%	0.0%	0.7%	0.0%	0.4%	0.0%	1.0%	0.0%	0.3%	0.0%	2.8%	0.0%	2.1%	0.0%	2.4%	0.0%	
<b>Total</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Runway 4R/22L was closed from May 15 - June 23, 2017 and had reduced availability through September 15th for 4R arrivals

2017 Jet	YTD		January		February		March		April		May		June		July		August		September		October		November		December		
	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	
04L	4.5%	0.0%	0.8%	0.0%	1.0%	0.0%	2.8%	0.0%	3.4%	0.0%	14.4%	0.0%	3.6%	0.0%	9.8%	0.0%	4.3%	0.0%	4.7%	0.0%	2.8%	0.0%	3.4%	0.0%	1.7%	0.0%	
04R	21.6%	2.3%	26.4%	3.0%	11.1%	1.6%	28.6%	3.1%	43.7%	3.2%	18.4%	1.8%	0.0%	0.0%	22.2%	3.2%	18.3%	1.8%	34.7%	3.9%	19.8%	1.6%	20.4%	2.0%	15.7%	1.9%	
9	0.0%	25.5%	0.0%	22.1%	0.0%	11.2%	0.0%	26.6%	0.0%	41.0%	0.0%	38.4%	0.0%	18.6%	0.0%	29.9%	0.0%	21.4%	0.0%	34.9%	0.0%	21.7%	0.0%	22.9%	0.0%	13.6%	
14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15R	4.4%	5.3%	0.0%	3.9%	1.1%	3.9%	0.2%	3.0%	0.7%	6.3%	12.5%	7.8%	20.9%	7.3%	4.9%	7.2%	3.9%	7.4%	2.1%	4.2%	1.9%	5.5%	2.5%	3.8%	0.0%	2.3%	
22L	22.7%	1.2%	26.2%	2.1%	29.9%	1.9%	14.4%	0.9%	23.9%	1.7%	8.7%	0.3%	7.3%	0.4%	26.2%	0.9%	31.0%	0.9%	17.0%	1.1%	41.3%	2.2%	26.6%	1.3%	20.8%	1.1%	
22R	0.0%	27.7%	0.0%	29.2%	0.0%	36.0%	0.0%	16.5%	0.0%	28.4%	0.0%	12.9%	0.0%	23.4%	0.0%	30.8%	0.0%	33.2%	0.0%	23.4%	0.0%	43.4%	0.0%	32.1%	0.0%	24.0%	
27	27.0%	14.8%	27.0%	17.5%	32.7%	16.1%	28.2%	17.6%	17.5%	7.9%	25.6%	14.4%	46.4%	15.7%	20.8%	12.4%	24.0%	14.5%	19.5%	16.3%	21.4%	10.6%	27.6%	15.3%	35.6%	20.1%	
33L	17.8%	23.2%	18.0%	22.3%	22.0%	29.3%	23.0%	32.2%	9.7%	11.5%	18.4%	24.4%	19.1%	34.6%	15.6%	15.6%	16.4%	20.8%	20.8%	16.2%	11.5%	15.1%	17.4%	22.6%	23.8%	36.9%	
32	1.8%	0.0%	1.6%	0.0%	2.2%	0.0%	2.8%	0.0%	1.1%	0.0%	2.0%	0.0%	2.7%	0.0%	0.6%	0.0%	2.0%	0.0%	1.1%	0.0%	1.3%	0.0%	2.1%	0.0%	2.4%	0.0%	
<b>Total</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Runway 4L/22R was closed from Sept. 16 - Oct. 17

2016 Jet	YTD		January		February		March		April		May		June		July		August		September		October		November		December		
	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	Arr	Dep	
04L	3.6%	0.0%	1.4%	0.0%	2.2%	0.0%	3.2%	0.0%	7.8%	0.0%	5.5%	0.0%	5.0%	0.0%	3.8%	0.0%	5.3%	0.0%	3.6%	0.0%	0.8%	0.0%	2.7%	0.0%	1.1%	0.0%	
04R	31.2%	4.2%	19.4%	3.4%	20.0%	3.2%	37.7%	4.8%	39.8%	5.3%	44.4%	4.1%	25.1%	3.6%	31.2%	4.8%	29.4%	4.9%	48.8%	5.5%	39.3%	4.1%	23.9%	3.8%	9.0%	2.1%	
9	0.0%	29.9%	0.0%	18.4%	0.0%	18.1%	0.0%	34.8%	0.0%	41.8%	0.0%	45.6%	0.0%	26.3%	0.0%	28.8%	0.0%	28.3%	0.0%	46.4%	0.0%	34.5%	0.0%	21.6%	0.0%	8.7%	
14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15R	0.7%	6.3%	0.4%	3.9%	0.1%	3.1%	0.0%	3.6%	0.6%	4.3%	1.1%	5.5%	1.7%	6.3%	0.9%	5.5%	0.3%	5.8%	0.5%	16.5%	1.4%	13.0%	0.0%	3.2%	1.6%	4.0%	
22L	24.3%	2.2%	20.2%	1.5%	32.0%	2.2%	23.6%	1.7%	23.7%	1.5%	21.0%	1.4%	25.1%	2.4%	27.2%	4.2%	31.9%	3.9%	26.5%	1.3%	15.8%	1.7%	19.5%	1.6%	25.5%	2.9%	
22R	0.0%	26.7%	0.0%	27.8%	0.0%	36.1%	0.0%	28.0%	0.0%	27.2%	0.0%	22.7%	0.0%	32.3%	0.0%	31.3%	0.0%	37.6%	0.0%	15.5%	0.0%	5.9%	0.0%	26.5%	0.0%	30.4%	
27	23.0%	12.7%	34.1%																								