

TB COHORT REVIEW DATA ANALYSIS FOR YEAR  
2008

<b>2008 Cohort Review, Indices for Contact Investigation</b>	<b>1st Qtr</b>	<b>2nd Qtr</b>	<b>3rd Qtr</b>	<b>4th Qtr</b>	<b>Year-to-Date</b>
Total Number of TB disease cases	18	27	30	18	93
	016/018	016/027	024/030	016/018	072/093
TB disease cases on DOT	88.9%	59.3%	80.0%	88.9%	77.4%
Number of TB disease cases that died before completion of therapy	1	1	2	1	5
Number of Pulmonary TB disease cases	15	19	29	12	75
Number of Smear positive TB disease cases	8	13	11	6	38
Percent of Smear positive TB disease cases with >0 contacts identified	004/008	002/013	016/016	006/006	028/043
	50.0%	15.4%	100.0%	100.0%	65.1%
Smear positive contacts identified	377	529	442	29	1377
Smear positive contacts appropriate for evaluation	141	129	276	26	572
Smear positive contacts evaluated	114	317	202	22	655
	114/141	321/129	202/276	22/26	655/572
Percent of smear positive contacts evaluated	80.9%	248.8%	73.2%	84.6%	114.5%
Smear positive contacts started on LTBI treatment	4	38	30	11	83
Smear positive contacts completed LBTI treatment	0	1	6	1	8
Smear positive contacts still taking meds for LTBI	4	27	24	10	65
	004/004	028/038	030/030	011/011	073/083
Smear positive contacts expected to complete LTBI treatment	100.0%	73.7%	100.0%	100.0%	88.0%
# MDR cases	0	0	0	0	0
Rif resistant / intolerant and still on therapy	0	0	0	0	0
	010/018	006/027	009/030	008/018	032/093
TB disease preventable cases	55.6%	22.2%	30.0%	44.4%	34.4%

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<b>2008 Cohort Review, Selected Treatment Variables</b>	<b>1st Qtr</b>	<b>2nd Qtr</b>	<b>3rd Qtr</b>	<b>4th Qtr</b>	<b>Year-to-Date</b>
Number of TB disease cases	18	27	30	18	93
Number of TB disease cases reported at death	0	0	1	0	1
TB disease cases that died during treatment	1	1	1	1	4
TB disease cases MDR and still on treatment	0	0	0	0	0
TB disease cases rifampin resistant / intolerant and still on therapy	0	0	0	0	0
Percent of TB disease cases that completed an ATS/CDC regimen in <12 months (for whom therapy for one year or less is indicated)	001/017 5.9%	008/025 32.0%	011/028 39.3%	002/017 11.8%	022/087 25.3%
Percent of TB cases likely to complete, plus those that have completed the above regimen	017/017 100.0%	021/025 84.0%	027//028 96.4%	016/017 94.1%	081/087 93.1%
Cohort failure(s)	000/017 0.0%	000/025 0.0%	001/028 3.6%	000/017 0.0%	001/087 1.1%
Percent of Pulmonary TB cases sputum smear (+) that have sputum specimens collected weekly (no less than 8 hrs apart) until 3 consecutive smears are negative	008/008 100.0%	011/013 84.6%	011/011 100.0%	005/005 100.0%	035/037 94.6%
Percent of Pulmonary TB cases sputum smear (+) or sputum culture (+) that have documented sputum culture conversion by two months, collected on consecutive days each month until 3 cultures are (-).	008/008 100.0%	012/016 75.0%	017/020 85.0%	004/005 80.0%	041/049 83.7%
Percent of TB cases on DOT	016/018 88.9%	016/027 59.3%	024/030 80.0%	015/018 83.3%	071/093 76.3%

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<b>2008 Cohort Review, Selected Program Variables</b>	<b>1st Qtr</b>	<b>2nd Qtr</b>	<b>3rd Qtr</b>	<b>4th Qtr</b>	<b>Year-to-Date</b>
Total Number of TB disease cases	18	27	30	18	93
	017/018	021/027	021/030	014/018	073/093
TB disease cases interviewed within 3 business days	94.4%	77.8%	70.0%	77.8%	78.5%
	015/018	020/027	026/030	011/018	072/093
Percent of RVCTs submitted within 21 days	83.3%	74.1%	86.7%	61.1%	77.4%
	024/025	019/031	021/035	012/022	076/113
Class A, B1/B2 Immigrants/Refugees evaluated for TB within 30 days of arrival in MO	96.0%	61.3%	60.0%	54.5%	67.3%
	017/018	023/026	026/028	012/022	078/094
Percent of TB disease cases started on an ATS/CDC regimen within 1 month of diagnosis	94.4%	88.5%	92.9%	54.5%	83.0%
	006/007	010/011	014/016	003/008	033/042
Percent of TB specimens submitted for NAA testing that were reported <= 48 hrs of receipt at SPHL = laboratory confirmation	85.7%	90.9%	87.5%	37.5%	78.6%

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<b>2008 Cohort Review, Select Epi Variables</b>	<b>1st Qtr</b>	<b>2nd Qtr</b>	<b>3rd Qtr</b>	<b>4th Qtr</b>	<b>Year-to-Date</b>
Total Number of TB disease cases	18	27	30	18	93
Number of Pulmonary TB disease cases	15	19	29	12	75
Number of smear positive TB disease cases	8	13	11	6	38
Number of Extrapulmonary TB disease cases	3	8	1	6	18
Age range all cases	17-89	18-87	20-93	01-80	01-93
Average age all cases	44	49	52	38	44
	009/018	019/027	018/030	006/018	052/093
Percent Male	50.0%	70.4%	60.0%	33.3%	55.9%
	009/018	008/027	012/030	012/018	041/093
Percent Female	50.0%	29.6%	40.0%	66.7%	44.1%
	006/006	008/010	009/010	006/006	029/032
Known HIV status of TB disease cases in 25-44 age group	100.0%	80.0%	90.0%	100.0%	90.6%
	015/018	014/027	020/030	015/018	064/093
Known HIV status of all TB disease cases	83.3%	51.9%	66.7%	83.3%	68.8%
	002/018	004/027	001/030	03/018	010/093
Percent of TB disease cases not offered HIV testing	11.1%	14.8%	3.3%	16.7%	10.8%
	001/018	001/027	000/030	001/018	003/093
Percent of TB disease cases co-infected with HIV	5.6%	3.7%	0.0%	5.6%	3.2%
	010/018	006/027	009/030	008/018	032/093
Percent of preventable TB disease cases	55.6%	22.2%	30.0%	44.4%	34.4%

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2008 Cohort Review, Indices as they related to TB Elimination Grant Objectives	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year-to-Date	Grant Objectives
Percent of TB cases that complete an ATS/CDC regimen in <12 months (for whom therapy for one year or less is indicated)	001/017 5.9%	008/025 32.0%	011/028 39.3%	002/017 11.8%	022/087 25.3%	95%
Percent of TB cases likely to complete, plus those that have completed the above regimen	017/017 100.0%	021/025 84.0%	027//028 96.4%	016/017 94.1%	065/070 93.1%	↑
Smear positive cases with >0 contacts identified	004/008 50.0%	002/013 15.4%	016/016 100.0%	006/006 100.0%	022/037 65.1%	100%
Smear positive contacts evaluated	114/141 80.9%	321/129 248.8%	202/276 73.2%	22/26 84.6%	655/572 114.5%	95%
Smear positive contacts completed LTBI treatment	000/004 0.0%	001/038 2.6%	006/030 20.0%	01/011 9.1%	007/072 9.7%	85%
Smear positive contacts expected to complete, plus those that have completed LTBI treatment	004/004 100.0%	028/038 73.7%	030/030 100.0%	011/011 100.0%	073/083 88.0%	↑
Class A, B1/B2 Immigrants/Refugees evaluated for TB within 30 days of arrival in MO	024/025 96.0%	019/031 61.3%	021/035 60.0%	012/022 54.5%	076/113 67.3%	90%
TB case rate in US Born African Americans	0.9	0.4	0.4	0.6	2.4	<5 per 100,000
Known HIV status for age group 25-44	006/006 100.0%	008/010 80.0%	009/010 90.0%	006/006 100.0%	029/032 90.6%	90%
RVCT Completeness	100.0%	100.0%	100.0%	100.0%	100.0%	95%
Percent of all laboratory confirmed TB cases that occurred within 48 hours of specimen receipt <Healthy People 2010 Goal>	006/007 85.7%	010/011 90.9%	014/016 87.5%	003/008 37.5%	033/042 78.6%	75%