

Table 30.1

## Myelodysplastic Syndromes, Chronic Myeloproliferative Disorders, and Chronic Myelomonocytic Leukemia

Counts, Percents and Age-Adjusted Incidence Rates<sup>a</sup> for the 21 SEER Geographic Areas by Subtype, 2012-2016

Site	Both Sexes			Males			Females		
	Count	Percent	Rate	Count	Percent	Rate	Count	Percent	Rate
Total	51,194	100.0%	8.1	27,832	100.0%	10.2	23,362	100.0%	6.6
Myelodysplastic Syndromes (MDS)	28,138	100.0%	4.5	16,274	100.0%	6.2	11,864	100.0%	3.3
Refractory anemia (RA), NOS	1,478	5.3%	0.2	805	4.9%	0.3	673	5.7%	0.2
RA with ringed sideroblasts	1,640	5.8%	0.3	936	5.8%	0.4	704	5.9%	0.2
RA with excess blasts (RAEB)	4,596	16.3%	0.7	2,838	17.4%	1.0	1,758	14.8%	0.5
RAEB in transformation	-	-	-	-	-	-	-	-	-
Refractory cytopenia w/multilineage dysplasia	2,216	7.9%	0.4	1,475	9.1%	0.6	741	6.2%	0.2
Myelodysplastic syndrome with 5q deletion	1,038	3.7%	0.2	414	2.5%	0.2	624	5.3%	0.2
Therapy-related myelodysplastic syndrome	-	-	-	-	-	-	-	-	-
Myelodysplastic syndrome, NOS	17,170	61.0%	2.7	9,806	60.3%	3.8	7,364	62.1%	2.0
Chronic Myeloproliferative Disorders (CMD)	20,095	100.0%	3.1	9,704	100.0%	3.3	10,391	100.0%	3.0
Polycythemia vera	8,347	41.5%	1.3	4,672	48.1%	1.6	3,675	35.4%	1.0
Chronic myeloproliferative disease, NOS	-	-	-	-	-	-	-	-	-
Myelosclerosis with myeloid metaplasia	2,361	11.7%	0.4	1,392	14.3%	0.5	969	9.3%	0.3
Essential thrombocythemia	9,145	45.5%	1.4	3,493	36.0%	1.2	5,652	54.4%	1.7
Chronic neutrophilic leukemia	55	0.3%	0.0	29	0.3%	0.0	26	0.3%	0.0
Hypereosinophilic syndrome	187	0.9%	0.0	118	1.2%	0.0	69	0.7%	0.0
Chronic Myelomonocytic Leukemia (CMML)	2,961	100.0%	0.5	1,854	100.0%	0.7	1,107	100.0%	0.3

Source: SEER 21 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Statistic not shown due to fewer than 16 cases during the time period.