O2 THERAPY
OXYGEN DELIVARY SYSTEMS

	O2 information	++++	— — —
NASAL CANNULA "PRONGS"	• Delivered 22-44% "[low-medium]" • Amount Delivered • Fio2 (Fraction Inspired Oxygen)"+4" • L\min=24% L\min=28% • L\min=32% L\min=36% • L\min=40% L\min=44%	• Client able to talk and eat with oxygen in place • Easily used in home setting • Safe and simple • Easily tolerated • Delivers low concentrations	• Unable to use with nasal obstruction • Drying to mucous membranes, so flow greater than 4 L/min needs to be humidified • Can dislodge from nares easily • Causes skin irritation or breakdown over ears or at nares • Not good for mouth breathers • Patient's breathing pattern affects exact FIO2
SIMPLE O2 MASK	• Delivered 35-60% O2 • O2 flow rate 6-10L/min • Used when an uncreased O2 in **SHORT** time "less than 12h"	• Can provide increased delivery of oxygen for short period of time	• • Tight seal required to deliver higher concentration • Difficult to keep mask in position over nose and mouth • Potential for skin breakdown (pressure, moisture) • Uncomfortable for pt while eating or talking • Expensive with nasal tube
PARTIAL RBM	• Delivered Up to 80% O2 • O2 flow rate 10L/min"pt doesn't re-breathe large amounts of exhaled air • Have bag "remain inflated during ins&exp • the remaining exhaled air exits through vents	• Client can inhale room air through openings in mask if oxygens supply is briefly interrupted	• Requires tight seal (eating and talking difficult, uncomfortable)
NON RBM	• 95-100% at Liters flow of 10-15L/m • Have 2 one way valves"to prevent conservation of ex air • Have O2 reservoir bag	• Delivers the highest possible [oxygen] • Suitable for pt breathing spontaneous with sever hypoxemia	• Impractical for long term Therapy • Malfunction can cause CO2 buildup • suffocation • Expensive • Uncomfortable
VENTURI MASK	• High flow • 40-50% at Liters flow of 4-15L/m • In COPD pts • Have multiple colors	• Delivers most precise oxygen Concentration • Doesn't dry mucous membranes	• uncomfortable • Risk for skin irritation • Produce respiratory depression in COPD patient with high oxygen concentration 50%