

```
{
  "patient": {
    "id": "patient-12345678",
    "firstName": "John",
    "lastName": "Anderson",
    "gender": "male",
    "birthDate": "1965-05-19",
    "age": 60,
    "address": {
      "line1": "123 Elm Street",
      "city": "Palo Alto",
      "state": "CA",
      "zip": "94301"
    },
    "contact": {
      "phone": "(650) 555-0123",
      "emergencyContact": {
        "name": "Emily Anderson",
        "relationship": "Daughter",
        "phone": "(650) 555-0987"
      }
    }
  },
  "encounter": {
    "id": "enc-20250801-001",
    "admissionDate": "2025-08-01T08:14:00Z",
    "dischargeDate": "2025-08-04T10:42:00Z",
    "facility": "Stanford University Hospital",
    "department": "Internal Medicine",
    "attending": {
      "name": "Dr. Emily Tran",
      "npi": "1456789021"
    },
    "reason": "Community-acquired pneumonia (RLL)"
  },
  "conditions": [
    {
      "id": "cond-cap-rll",
      "code": "J18.9",
      "description": "Pneumonia, unspecified organism",
      "onsetDate": "2025-07-28",
      "clinicalStatus": "resolved",
      "bodySite": "right lower lobe"
    }
  ]
}
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],
"vitals": [
  {
    "datetime": "2025-08-01T08:24:00Z",
    "temperatureC": 38.9,
    "heartRate": 102,
    "bloodPressure": "132/78",
    "respiratoryRate": 22,
    "oxygenSaturation": 92
  },
  {
    "datetime": "2025-08-04T07:45:00Z",
    "temperatureC": 36.7,
    "heartRate": 78,
    "bloodPressure": "126/74",
    "respiratoryRate": 16,
    "oxygenSaturation": 96
  }
],
"labs": [
  {
    "test": "WBC",
    "loinc": "6690-2",
    "unit": "10^9/L",
    "values": [
      { "date": "2025-08-01", "value": 12.3 },
      { "date": "2025-08-04", "value": 9.2 }
    ]
  },
  {
    "test": "CRP",
    "loinc": "1988-5",
    "unit": "mg/L",
    "values": [
      { "date": "2025-08-01", "value": 56.0 },
      { "date": "2025-08-04", "value": 21.4 }
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  },
  {
    "test": "Procalcitonin",
    "loinc": "33959-8",
    "unit": "ng/mL",
    "values": [
      { "date": "2025-08-01", "value": 0.27 },
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    { "date": "2025-08-04", "value": 0.08 }
  ],
  {
    "test": "Blood culture",
    "loinc": "600-7",
    "result": "No growth",
    "collectionDate": "2025-08-01"
  }
],
"imaging": [
  {
    "id": "img-cxr-20250801",
    "type": "Chest X-ray",
    "date": "2025-08-01",
    "findings": "Right lower lobe infiltrate. No effusion.",
    "impression": "Findings consistent with right lower lobe pneumonia."
  },
  {
    "id": "img-cxr-20250803",
    "type": "Chest X-ray",
    "date": "2025-08-03",
    "findings": "Improving right lower lobe infiltrate. No new consolidation.",
    "impression": "Interval improvement in pneumonia."
  }
],
"medications": [
  {
    "id": "med-azithromycin",
    "name": "Azithromycin",
    "dose": "500 mg",
    "route": "oral",
    "frequency": "daily",
    "startDate": "2025-08-03",
    "duration": "5 days",
    "status": "active"
  },
  {
    "id": "med-acetaminophen",
    "name": "Acetaminophen",
    "dose": "650 mg",
    "route": "oral",
    "frequency": "q6h PRN",
    "indication": "fever or pain",
  }
]
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    "status": "PRN"
  }
],
"procedures": [],
"education": [
  {
    "topic": "Pneumonia care and antibiotic adherence",
    "dateProvided": "2025-08-03",
    "method": "Verbal and written handout",
    "patientUnderstood": true
  },
  {
    "topic": "Signs of worsening illness (e.g., fever, dyspnea)",
    "dateProvided": "2025-08-04",
    "patientUnderstood": true
  }
],
"dischargeInstructions": {
  "diet": "Regular",
  "activity": "Resume as tolerated",
  "oxygen": "Not required",
  "homeSupport": "Discharged home with daughter",
  "pendingOrders": [
    {
      "type": "Imaging",
      "order": "Chest X-ray",
      "due": "6 weeks from discharge",
      "status": "Outpatient order placed"
    }
  ]
},
"followUp": [
  {
    "provider": "Dr. Laura Greene",
    "specialty": "Primary Care",
    "date": "2025-08-09T10:30:00",
    "location": "Stanford Primary Care Clinic",
    "confirmed": true
  }
],
"billing": {
  "diagnosisCodes": ["J18.9"],
  "lengthOfStayDays": 3,
  "DRG": "193 - SIMPLE PNEUMONIA & PLEURISY W/O CC/MCC"
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}

}